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Subj: MOTOR TRANSPORT TRAINING AND READINESS MANUAL

Ref: (a) MCO P3500.72A
(b) MCO 1553.3B
(c) MCRP 3-0A
(d) MCRP 3-0B
(e) MCO 1553.2B

Encl: (1) Motor T T&R Manual

1. Purpose. Per reference (a), 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 3500.39B

3. Scope

a. Per reference (b), commanders will conduct an internal assessment of the unit's ability to execute its mission and develop long-, mid-, and short-range training plans to sustain proficiency and correct deficiencies. Training plans will incorporate these events to standardize training and provide objective assessment of progress toward attaining combat readiness. Commanders will keep records at the unit and individual levels to record training achievements, identify training gaps and document objective assessments of readiness associated with training Marines. References (c) and (d) provide amplifying information for effective planning and management of training within the unit.

b. Formal school and training detachment commanders will use references (a) and (e) to ensure programs of instruction meet skill training requirements established in this manual and provides career-progression training in the events designated for initial training in the formal school environment.

4. Information. 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.

DISTRIBUTION STATEMENT A: Approved for public release; distribution is unlimited.

5. Command. This manual is applicable to the Marine Corps Total Force.
6. Certification. Reviewed and approved this date.


J. W. LUKEMAN
By direction

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MOTOR T T&R MANUAL

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MOTOR T T&R MANUAL

CHAPTER 1

OVERVIEW

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MOTOR T T&R MANUAL

CHAPTER 1

OVERVIEW

1000. INTRODUCTION

1. The T&R program is the Corps' primary tool for planning, conducting and evaluating training and assessing training readiness. The T&R manual is designed for use by unit commanders to determine performance requirements in preparation for training; for unit leaders to develop and execute training and to assess individual and unit proficiency; and for formal schools and training detachments to create programs of instruction.

2. This T&R manual is built around the Marine Corps tasks (MCTs) that are supported by the {occupational field name} occupational field/performed by {unit name}. All events contained in this manual relate directly to these MCTs. Linkage of T&R events to the MCTL enables objective assessment of training readiness in the Defense Readiness Reporting System (DRRS) in accordance with MCO 3500.10 and MCO 3000.13.

3. The T&R manual contains the individual and collective training requirements to prepare units to accomplish their mission. The T&R manual identifies the minimum standards that Marines must be able to perform in a combat environment. Using this tool, leaders can construct and execute an effective training plan that supports the unit's MCTs and the mission-essential task list (METL). The Ground T&R Program helps to ensure that training remains focused on mission accomplishment and that training readiness reported is tied to the unit's METL. More detailed information on the Marine Corps Ground T&R Program is found in reference (a).

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.

2. Commanders at all levels will ensure that all training is focused on achieving proficiency in the unit METL. The T&R manual is a tool to help develop the unit's training plan based on the unit METL.

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. UTM techniques, described in references (b) and (c), 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. Guidance for UTM and the process for establishing effective programs are contained in references (b), (c) and (d).

1003. SUSTAINMENT AND EVALUATION OF TRAINING

1. Marines are expected to maintain proficiency in the training events for their MOS at the appropriate grade and billet to which assigned. Leaders are responsible for recording the training achievements of their Marines. Whether it involves individual or collective training events, they 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 scenario-based, focused on the unit's METs, based on collective training standards, and usually conducted during higher-level collective training 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. References (b) and (d) provide further guidance on the conduct of informal and formal evaluations using the Marine Corps Ground T&R Program.

1004. ORGANIZATION. The Motor T 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/Marine Corps tasks supported by the Motor T Community, which are used as part of the 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; Appendix C contains Simulation.

1005. T&R EVENT COMPOSITION

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


```

XXXX-XXXX-####: Stand a sentry post.

EVALUATION CODED: NO           SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: Text

MOS PERFORMING: ####, ####

GRADES: XXX, XXX

INITIAL TRAINING SETTING: XXX

CONDITION: Text

STANDARD: Text

PERFORMANCE STEPS:
1. Event component.
2. Event component.
3. Event component.

PREREQUISITE EVENTS:
XXXX-XXXX-####           XXXX-XXXX-####

RELATED EVENTS:
XXXX-XXXX-####           XXXX-XXXX-####

REFERENCES:
1. Reference
2. Reference
3. Reference

SUPPORT REQUIREMENTS:

EQUIPMENT: XXX

MISCELLANEOUS: XXX

ADMINISTRATIVE INSTRUCTIONS: XXX
  
```

Figure 1-2: Example of an Individual T&R Event

2. Event Code. The event code consists of three sets of characters as shown in figure 1-3:

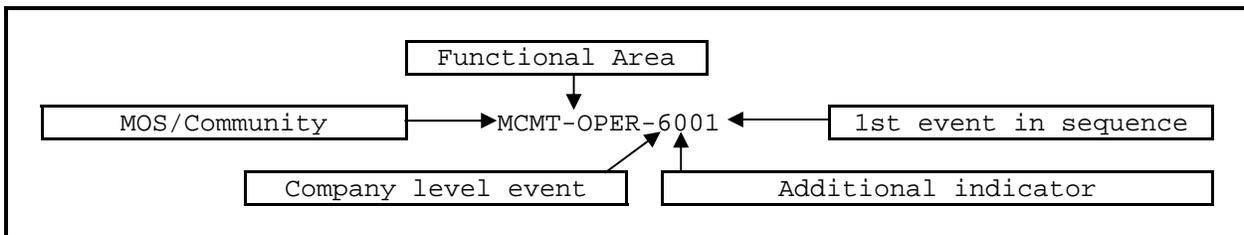


Figure 1-3: T&R Event Coding

- a. The first set of characters indicates the main MOS or community (e.g., 0321, 1812, or INTL) that performs the event.
- b. The second set of characters indicates functional or duty area (e.g., DEF, FSPT, MVMT, etc.). Categorizing events with the use of a recognizable code makes the type of skill or capability being referenced fairly obvious.

c. The third set of characters is broken down further into the event level, additional indicator (if applicable), and sequence.

(1) Event levels. The character in the thousands digit indicates the level and defines whether the event is performed by an individual (1000- and 2000-level) or by a collective unit, with the relative size of the unit performing the event indicated by the number (3000- through 9000-level). Note that the titles for the various echelons are examples only and are not exclusive. Some collective events levels may not apply to all T&R manuals. Event levels are shown in figure 1-4.

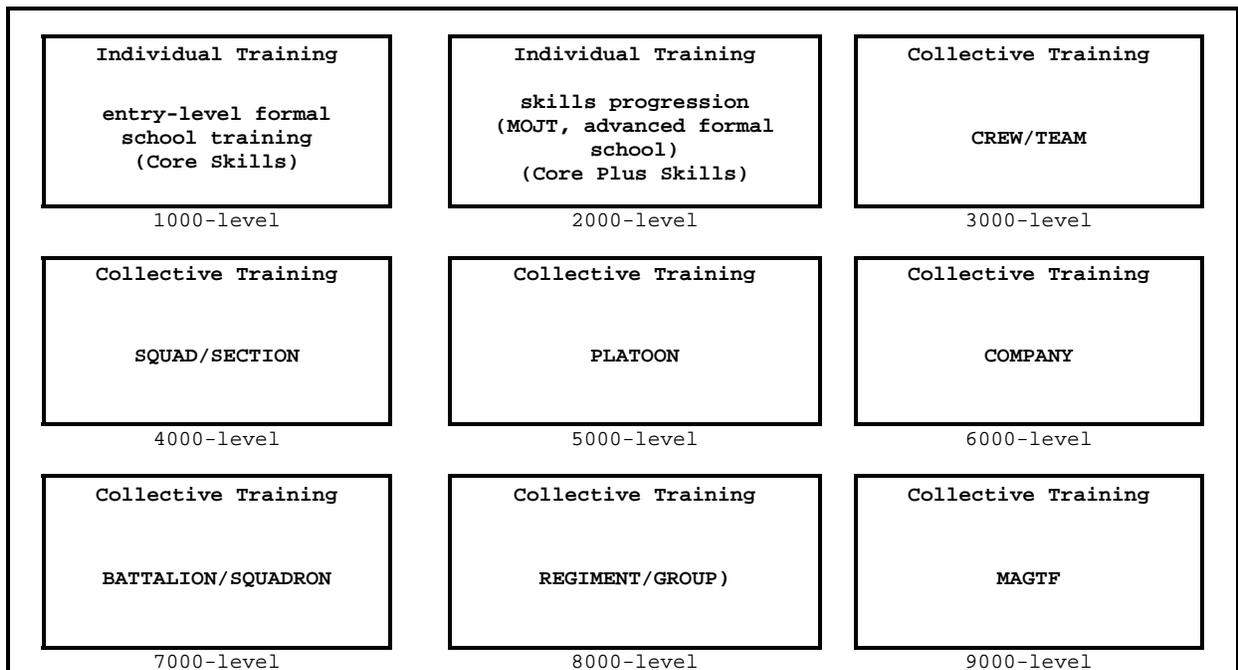


Figure 1-4: T&R Event Levels

(2) Additional indicator. The usage of a number used in the hundreds digit varies. When used in a T&R manual, the additional indicator methodology will be described in the relevant chapter(s).

(3) Sequence. The last two numbers indicate the sequence of the event. All events with the same MOS/community, functional area, and level codes will be grouped together.

3. Title. The name of the event. The event title contains one action verb and ideally, one object noun.

4. Evaluation Coded. A "Yes" indicates that a collective event is something that the Marine Corps has determined that a unit must be able to perform in order or that unit to be considered fully ready for operations. These evaluation-coded (E-coded) events represent the basic level of readiness for a unit. E-coded events are derived from the training measures of effectiveness for the METs assessed as a percentage of the successfully completed and current (within sustainment interval) E-coded events. Most E-coded events will 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 lower echelon unit is vital to the accomplishment of the supported unit's MET, then that lower echelon collective event may also be E-coded. Other collective events and all individual events will have a "No" to indicate that they are not evaluation-coded.

5. Supported MCT(s). List all MCTs that are supported by the collective training event, even if those events are not listed as a measure of effectiveness (MOE) in a MET.

6. Sustainment Interval. This is the period, expressed as a number of months, between demonstration of performance mastery and the requirement for retraining if mastery is not demonstrated during that period.

7. Billet/MOS. These fields designate who is responsible for performing the event. When formal training is associated with event, individuals in the associated billet(s)/MOS(s).

8. Grade. This field indicates the rank at which Marines are required to perform the event.

9. Description. This field allows an explanation of the 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). Event descriptions are required for collective events, but optional for individual events.

10. Condition. Condition refers to the environment in which the task must be performed. It must also identify the limitations that may affect event performance in a real-world environment. It indicates what is provided (equipment, tools, materials, manuals, aids, etc.), environmental factors 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 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.

11. Standard. The performance standard indicates the basis for judging the effectiveness of the performance. It identifies the proficiency level expected when the task is performed. The standard provides the minimum acceptable performance parameters. 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 the proficiency level, specified in terms of accuracy, completeness, time required, and sequencing to which the event is to be accomplished.

12. Event Components/Performance Steps. This is a list of the actions that the event is composed of, or a list of subordinate T&R event descriptions. These help the user determine what must be accomplished and to properly plan for the event. Event components are used for collective events; performance steps are used for individual events.

a. The event components and performance steps will be employed as the basis for performance evaluation check lists by the operating forces.

b. Event components may be either lower level collective events or individual events, indicating aspects of the event that are performed by the entire unit and individuals within the unit. Event components will correspond with the task titles of the related events, allowing for chaining of the events (see below).

13. Prerequisite Events. Prerequisites are academic training or other T&R events that must be completed prior to attempting the event. They are lower-level events 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. Chained Events. Collective T&R events are supported by lower-level collective and individual T&R events. This enables unit leaders to effectively identify subordinate T&R events that ultimately support specific Marine Corps tasks. When the accomplishment of any upper-level events, by their nature, result in the performance of certain subordinate events, the events are "chained." The completion of higher level events will update sustainment interval credit (and CRP for E-coded events) for the subordinate level chained events.

15. Related ITEs. A list of all of the individual training events (1000-2000-level events) that directly support the accomplishment of another event of the same level.

16. Initial Training Setting. All individual events will designate the setting at which the skill is first taught, either through formal training (Formal), managed on the job training (MOJT), or distance learning (DL). Formal training is conducted at a formal school. MOJT occurs within the operating forces and is the responsibility of leaders. DL products include correspondence courses and training conducted via computer applications.

17. References. The training references 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 references. References are key to developing detailed lesson plans, determining grading criteria, and ensuring standardization of training. The references listing for each event is representative of those that are most commonly used and are not encyclopedic.

18. Distance Learning Products (DL). Distance learning products include: individual multimedia instruction (IMI), computer-based training (CBT), Marine Corps Institute (MCI), etc. This notation is included when the event

can be taught via one of these media vice attending a formal course of instruction or receiving MOJT.

19. Support Requirements. 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 and 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

Where applicable, the ordnance requirements for one year of training for the events in the T&R manual will be aggregated into a table contained in an appendix to the T&R.

20. Suitability of Modeling and Simulation for Sustainment. If the occupational advocate determines that an event can be trained to standard by use of modeling or simulation, this will be noted in the event title in a parenthetical remark. Figure 4-1 contains all acceptable codes for inclusion in this parenthetical remark. The specific modeling or simulation that is acceptable for optional or required training will be noted in the description block and in miscellaneous block. Modeling and simulation, per reference (a) is defined as: The use of models, including emulators, prototypes, simulators, and stimulators, either statically or over time, to develop data as a basis for making managerial or technical decisions. For events that have simulation as an optional choice, the specific portions of the event that may be trained by the identified simulator should be noted as well.

Code	Requirement
P	Event performed in platform only
L	Event able to be performed to standard only live environment
S	Event performed only with simulator
P/S	Event performed in platform preferred/simulator optional
S/P	Event performed in simulator preferred/platform optional
L/S	Event performed live preferred/simulator optional
S/L	Event performed in simulator preferred/live optional

Figure 4-1: Acceptable Codes

a. Simulation should be used in lieu of live training (particularly when resources to support the event are constrained); or at the commander's discretion, used as a precursor to live training in order to help maximize and enhance the live training event.

b. This task can be supported by self-paced, CBT, (e.g., MarineNet).

c. Modeling and Simulation Terms (terms are refined from reference (a) as necessary):

(1) Simulation - Any actions that will be performed to achieve effects on a notional enemy and/or actions undertaken that assume the presence of an enemy.

(2) Simulator - Any device external to or in place of the materials or conditions identified in the condition statement of a T&R event to assist in simulating the presence of the enemy.

(3) Combat - Marines conducting actions with actual table of equipment; actual higher, adjacent and subordinate forces; and live ammunition against live, hostile opponents.

(4) Live - Marines conducting actions with actual table of equipment; actual higher, adjacent and subordinate forces; and live ammunition against notional opponents. Implies integration between the various echelons.

(5) Live/Constructive - Marines conducting actions with actual table of equipment; actual or notional higher, adjacent and subordinate forces; and without live ammunition against notional opponents. If there are integrations between the various echelons, this is an integrated live/constructive environment.

(6) Constructive - Marines conducting actions with approximations of table of equipment; actual or notional higher, adjacent and subordinate forces; and without live ammunition against notional opponents. If there are integrations between the various echelons, this is an integrated constructive environment.

(7) Virtual - Marines conducting actions with approximations of table of equipment; notional higher, adjacent and subordinate forces; and without live ammunition against notional opponents.

(8) Distance Learning - Any instruction and evaluation delivered to the student electronically or via mail.

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 schools 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

1006. CHEMICAL, BIOLOGICAL, RADIOLOGICAL, AND NUCLEAR. In accordance with MCO 3400.3F all active duty Marines are required to conduct CBRN training on an annual basis. All training plans for the operating forces and supporting

establishments will include the Marine Corps Common Skills CBRN T&R events established to meet this service directed requirement. All units will ensure that personnel are able to execute individual and collective MOS requirements in a CBRN environment, based on resources, time available, and unit mission.

1007. OPERATIONAL RISK MANAGEMENT. All active duty Marines are required to conduct ORM training on an annual basis. The ORM process is used by Marines at all levels to increase operational effectiveness by anticipating hazards and reducing the potential for loss, thereby increasing the probability of a successful mission. ORM assists the commander in determining the balance between training realism and unnecessary risks in training, the impact of training operations on the environment, and the adjustment of training plans to fit the level of proficiency and experience of Sailors/Marines and leaders. Further guidance for ORM is found in MCO 3500.27B.

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CHAPTER 2

MISSION-ESSENTIAL TASKS

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CHAPTER 2

MISSION-ESSENTIAL TASKS

2000. CORE MISSION-ESSENTIAL TASKS (MET). The MET tables list the standardized core METs for various units supported by the Motor Transport community.

2001. MOTOR TRANSPORT CORE (COMMUNITY) METs

MARINE CORPS TASK	DESCRIPTION
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

2002. MOTOR TRANSPORT MET-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.

T&R EVENT CODE/T&R EVENT TITLE

MCT 4.3. Conduct Transportation Operations	
MCMT-OPER-8003	Direct convoy operations (L/S)
MCMT-OPER-7003	Direct convoy operations (L/S)
MCMT-OPER-6003	Direct convoy operations (L/S)
MCMT-OPER-5002	Direct convoy operations (L/S)
MCT 4.3.3 Conduct Motor Transport Operations	
MCMT-OPER-8003	Direct convoy operations (L/S)
MCMT-OPER-7003	Direct convoy operations (L/S)
MCMT-OPER-6003	Direct convoy operations (L/S)
MCMT-OPER-5002	Conduct convoy operations (L/S)

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CHAPTER 3

COLLECTIVE EVENTS

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MOTOR T T&R MANUAL

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:

<u>Code</u>	<u>Description</u>
MCMT	Marine Corps Motor Transport

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

<u>Code</u>	<u>Description</u>
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:

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

3002. INDEX OF COLLECTIVE EVENTS

EVENT CODE	E-CODED	EVENT	PAGE
8000-LEVEL			
MCMT-LIC-8001		Direct a licensing program	3-3
MCMT-MAIN-8002		Direct recovery operations	3-3
MCMT-OPER-8003	Y	Direct convoy operations (L/S)	3-4
MCMT-OPER-8004		Direct movement control (L/S)	3-5
7000-LEVEL			

MCMT-LIC-7001		Direct a licensing program	3-5
MCMT-MAIN-7002		Direct recovery operations	3-6
MCMT-OPER-7003	Y	Direct convoy operations (L/S)	3-6
MCMT-OPER-7004		Direct movement control (L/S)	3-7
MCMT-OPER-7005		Establish a tactical motor pool	3-8
MCMT-OPER-7006		Direct fueling operations	3-8
6000-LEVEL			
MCMT-LIC-6001		Conduct a licensing program	3-9
MCMT-MAIN-6002		Direct recovery operations	3-9
MCMT-OPER-6003	Y	Direct convoy operations (L/S)	3-10
MCMT-OPER-6004		Establish a tactical motor pool	3-11
MCMT-OPER-6005		Direct fueling operations	3-11
MCMT-MAIN-6006		Employ maintenance company	3-13
5000-LEVEL			
MCMT-MAIN-5001		Conduct recovery operations	3-12
MCMT-OPER-5002	Y	Conduct convoy operations	3-13
MCMT-OPER-5003		Establish a tactical motor pool	3-14
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3000-LEVEL			
MCMT-LIC-3001		Perform licensing	3-17
MCMT-OPER-3002		Conduct movement control	3-18
MCMT-MAIN-3003		Conduct refueling operations	3-18
MCMT-MAIN-3004		Conduct recovery operations	3-19
MCMT-MAIN-3005		Employ mobile maintenance teams	3-20

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

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

STANDARD: To accomplish operational requirements IAW MCO 11240.118.

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_ Motor Vehicle Licensing Official's Manual

MCMT-MAIN-8002: Direct recovery operation

SUPPORTED MET(S): MCT 4.2.2.8

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

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 4-11.4A Recovery and Battle Damage Assessment and Repair
 2. MCWP 4-11.4 Maintenance Operations
-

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

SUPPORTED MET(S): MCT 4.3, 4.3.3

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 12 months

CONDITION: 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 3-40-3A Multi-Service Communications Procedures and Tactical Radio Procedures in Joint environment
7. MCRP 4-11.3F Convoy Operations Handbook
8. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
9. MCRP 4-11.4A Recovery and Battle Damage Assessment and Repair
10. MCWP 3-17.1 Combined Arms Gap-Crossing Operations
11. MCWP 4-1 Logistics Operations
12. MCWP 4-11 Tactical-Level Logistics
13. MCWP 4-11.4 Maintenance Operations

14. MCWP 5-1 Marine Corps Planning Process (MCP)
15. MSTP PAM 4-0.1 Movement Control
16. NAVSEA SWO20-AF-ABK-010 Motor Vehicle Driver and Shipping Inspector's Manual for Ammunition, Explosives and Related Hazardous Materials

MISCELLANEOUS:

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

MCMT-OPER-8004: Direct movement control (L/S)

SUPPORTED MET(S): MCT 4.3, 4.3.3

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

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

MISCELLANEOUS:

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

3004. 7000-LEVEL EVENTS

MCMT-LIC-7001: Direct a licensing program

SUPPORTED MET(S): MCT 4.3.3

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

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

STANDARD: To accomplish operational requirements IAW MCO 11240.118.

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_ Motor Vehicle Licensing Official's Manual
-

MCMT-MAIN-7002: Direct recovery operation

SUPPORTED MET(S): MCT 4.2.2.8

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

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 4-11.4A Recovery and Battle Damage Assessment and Repair
 2. MCWP 4-11.4 Maintenance Operations
-

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

SUPPORTED MET(S): MCT 4.3, 4.3.3

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 12 months

CONDITION: 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 3-40-3A Multi-Service Communications Procedures and Tactical Radio Procedures in Joint environment
6. MCRP 4-11.3F Convoy Operations Handbook
7. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
8. MCRP 4-11.4A Recovery and Battle Damage Assessment and Repair
9. MCWP 3-17.1 Combined Arms Gap-Crossing Operations
10. MCWP 4-11 Tactical-Level Logistics
11. MCWP 4-11.3 Transportation Operations
12. MCWP 4-11.4 Maintenance Operations
13. MSTP PAM 4-0.1 Movement Control
14. NAVSEA SWO20-AF-ABK-010 Motor Vehicle Driver and Shipping Inspector's Manual for Ammunition, Explosives and Related Hazardous Materials

MISCELLANEOUS:

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

MCMT-OPER-7004: Direct movement control (L/S)

SUPPORTED MET(S): MCT 4.3, MCT 4.3.3

EVALUATION-CODED: NO **SUSTAINMENT INTERVAL:** 12 months

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

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: ADMIN NOTES: 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

SUPPORTED MET(S): MCT 4.2

EVALUATION-CODED: NO **SUSTAINMENT INTERVAL:** 12 months

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. MCWP 4-11.4 Maintenance Operations
-

MCMT-OPER-7006: Direct fueling operations

SUPPORTED MET(S): MCT 4.2.2.6

EVALUATION-CODED: NO **SUSTAINMENT INTERVAL:** 12 months

CONDITION: Given a mission requirement, personnel and equipment.

STANDARD: To accomplish operational requirements IAW MCWP 4-11.6.

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. FMFM 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 4-11.3F Convoy Operations Handbook
 13. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
 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. MCWP 4-11.3 Transportation Operations
 19. MIL-HDBK-844A Aircraft Refueling Handbook for Navy and Marine Corps aircraft
 20. NAVMC DIR 5100.8_ Marine Corps Occupational Safety and Health (OSH) Program Manual
 21. NAVSEA SWO20-AF-ABK-010 Motor Vehicle Driver and Shipping Inspector's Manual for Ammunition, Explosives and Related Hazardous Materials
 22. SWO20-AC-SAF-010 Transportation and Storage Data for Ammunition, Explosives and Related Hazardous Materials
 23. TM 11240-15/3_ Motor Vehicle Licensing Official's Manual
 24. TM 4700-15/1_ Ground Equipment Record Procedures
 25. TM 5-848-2 Handling of Aircraft and Automotive Fuels
-

3005. 6000-LEVEL EVENTS

MCMT-LIC-6001: Direct a licensing program

SUPPORTED MET(S): None

EVALUATION-CODED: NO **SUSTAINMENT INTERVAL:** 12 months

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

STANDARD: To accomplish operational requirements IAW MCO 11240.118.

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_ Motor Vehicle Licensing Official's Manual
-

MCMT-MAIN-6002: Direct recovery operation

SUPPORTED MET(S): MCT 4.2.2.8

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

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 4-11.4A Recovery and Battle Damage Assessment and Repair
 2. MCWP 4-11.4 Maintenance Operations
-

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

SUPPORTED MET(S): MCT 4.3, 4.3.3

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 12 months

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

STANDARD: To achieve operational objective IAW mission requirements.

EVENT COMPONENTS:

1. Analyze the order.
2. Read the intelligence reports.
3. Determine convoy requirements.
4. Organize the convoy in march order.
5. Inspect cargo loads.
6. Develop a convoy commander's brief.
7. Conduct a convoy commander's brief.
8. Direct the movement of the convoy using navigational devices.
9. Conduct a debrief.
10. Prepare a 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 3-40-3A Multi-Service Communications Procedures and Tactical Radio Procedures in Joint environment
7. MCRP 4-11.3F Convoy Operations Handbook
8. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
9. MCRP 4-11.4A Recovery and Battle Damage Assessment and Repair

10. MCWP 3-17.1 Combined Arms Gap-Crossing Operations
11. MCWP 4-1 Logistics Operations
12. MCWP 4-11 Tactical-Level Logistics
13. MCWP 4-11.4 Maintenance Operations
14. MCWP 5-1 Marine Corps Planning Process (MCP)
15. MSTP PAM 4-0.1 Movement Control

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

SUPPORTED MET(S): MCT 4.2

EVALUATION-CODED: NO **SUSTAINMENT INTERVAL:** 12 months

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. MCWP 4-11.4 Maintenance Operations
-

MCMT-OPER-6005: Direct fueling operations

SUPPORTED MET(S): MCT 4.2.2.8, 4.3.3

EVALUATION-CODED: NO **SUSTAINMENT INTERVAL:** 12 months

CONDITION: Given a mission requirement, personnel and equipment.

STANDARD: To accomplish operational requirements IAW MCWP 4-11.6.

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. FMFM 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 4-11.3F Convoy Operations Handbook
13. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
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. MCWP 4-11.3 Transportation Operations
19. MIL-HDBK-844A Aircraft Refueling Handbook for Navy and Marine Corps aircraft
20. NAVMC DIR 5100.8_ Marine Corps Occupational Safety and Health (OSH) Program Manual
21. NAVSEA SWO20-AF-ABK-010 Motor Vehicle Driver and Shipping Inspector's Manual for Ammunition, Explosives and Related Hazardous Materials
22. SWO20-AC-SAF-010 Transportation and Storage Data for Ammunition, Explosives and Related Hazardous Materials
23. TM 11240-15/3_ Motor Vehicle Licensing Official's Manual
24. TM 4700-15/1_ Ground Equipment Record Procedures
25. TM 5-848-2 Handling of Aircraft and Automotive Fuels

MCMT-MAIN-6006: Employ Maintenance Company

SUPPORTED MET(S): MCT 4.2, 4.2.2, 4.2.2.1, 4.2.2.2, 4.2.2.4, 4.2.2.5, 4.2.2.8, 4.3.3

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 6 months

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.

CHAINED EVENTS: MCMT-MAIN-5005

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. MCWP 4-11.4 Maintenance Operations
-

3006. 5000-LEVEL EVENTS

MCMT-MAIN-5001: Direct recovery operation

SUPPORTED MET(S): MCT 4.2.2.8

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

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 4-11.4A Recovery and Battle Damage Assessment and Repair
 2. MCWP 4-11.4 Maintenance Operations
-

MCMT-OPER-5002: Conduct convoy operations (L/S)

SUPPORTED MET(S): MCT 4.3, 4.3.3

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 6 months

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. Organize the convoy in march order
5. Inspect cargo loads.
6. Develop a convoy commander's brief.
7. Conduct a convoy commander's brief.
8. Direct the movement of the convoy using navigational devices.
9. Conduct a debrief.
10. 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 Standard Operating Procedures
5. MCRP 3-0B How to Conduct Training
6. MCRP 3-40-3A Multi-Service Communications Procedures and Tactical Radio Procedures in Joint environment
7. MCRP 4-11.3F Convoy Operations Handbook
8. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
9. MCRP 4-11.4A Recovery and Battle Damage Assessment and Repair
10. MCWP 3-17.1 Combined Arms Gap-Crossing Operations
11. MCWP 4-1 Logistics Operations
12. MCWP 4-11 Tactical-Level Logistics
13. MCWP 4-11.4 Maintenance Operations
14. MSTP PAM 4-0.1 Movement Control

MISCELLANEOUS:

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

MCMT-OPER-5003: Establish a tactical motor pool

SUPPORTED MET(S): None

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

CONDITION: Provided with the requirement, equipment and personnel.

STANDARD: To safely meet 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.

CHAINED EVENTS:

3510-OPER-2703	3529-OPER-2303	3529-OPER-2304
3537-OPER-2310	3537-OPER-2313	

REFERENCES:

1. ATP 4-11 Army Motor Transport Operations
 2. MCO P4790.2_ MIMMS Field Procedures Manual
 3. MCWP 4-11.4 Maintenance Operations
-

MCMT-OPER-5004: Direct fueling operations

SUPPORTED MET(S): MCT 4.2.2.8, 4.3.3

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

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. FMFM 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 4-11.3F Convoy Operations Handbook
13. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
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. MCWP 4-11.3 Transportation Operations
19. MIL-HDBK-844A Aircraft Refueling Handbook for Navy and Marine Corps aircraft
20. NAVMC DIR 5100.8_ Marine Corps Occupational Safety and Health (OSH) Program Manual
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 11240-15/3_ Motor Vehicle Licensing Official's Manual
24. TM 4700-15/1_ Ground Equipment Record Procedures
25. TM 5-848-2 Handling of Aircraft and Automotive Fuels

MCMT-MAIN-5005: Employ maintenance platoon

SUPPORTED MET(S): MCT 4.2, 4.2.2, 4.2.2.1, 4.2.2.2, 4.2.2.4, 4.2.2.5, 4.2.2.8, 4.3.3

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 6 months

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.

CHAINED EVENTS:

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-1017
3521-MAIN-1018	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		

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. MCWP 4-11.4 Maintenance Operations

3007. 3000-LEVEL EVENTS

MCMT-LIC-3001: Perform licensing

SUPPORTED MET(S): MCT 4.3.3

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

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

STANDARD: To accomplish operational requirements IAW MCO 11240.118.

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 11240.66_ Standard Licensing Policy for Operators of Military Motor Vehicles
 3. TM 11240-15/3_ Motor Vehicle Licensing Official's Manual
-

MCMT-OPER-3002: Conduct movement control

SUPPORTED MET(S): MCT 4.3, 4.3.3

EVALUATION-CODED: NO **SUSTAINMENT INTERVAL:** 12 months

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

SUPPORT REQUIREMENTS:

OTHER SUPPORT REQUIREMENTS: Contract Logistics Support

MCMT-MAIN-3003: Conduct refueling operations

SUPPORTED MET(S): MCT 4.2.2.8, 4.3.3

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

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. 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 3-100.4 Environmental Considerations in Military Operations
 7. FMFM 7-28 Jungle Operations
 8. FMFM 7-29 Mountain Operations
 9. MCO P5090.2_ Environmental Compliance and Protection Manual
 10. MCRP 3-35.1D Cold Region Operations
 11. MCRP 4-11.3F Convoy Operations Handbook
 12. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
 13. MCRP 4-11.6 Petroleum and Water Logistics Operations
 14. MCWP 3-17.1 Combined Arms Gap-Crossing Operations
 15. MCWP 3-35.6 Desert Operations
 16. MCWP 4-11.3 Transportation Operations
 17. MIL-HDBK-844A Aircraft Refueling Handbook for Navy and Marine Corps aircraft
 18. NAVMC DIR 5100.8_ Marine Corps Occupational Safety and Health (OSH) Program Manual
 19. NAVSEA SW020-AF-ABK-010 Motor Vehicle Driver and Shipping Inspector's Manual for Ammunition, Explosives and Related Hazardous Materials
 20. SW020-AC-SAF-010 Transportation and Storage Data for Ammunition, Explosives and Related Hazardous Materials
 21. TC 21-305-20 Manual for the Wheeled Vehicle Operator
 22. TM 11240-15/3_ Motor Vehicle Licensing Official's Manual
 23. TM 4700-15/1_ Ground Equipment Record Procedures
 24. TM 5-848-2 Handling of Aircraft and Automotive Fuels
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MCMT-MAIN-3004: Conduct recovery operations

SUPPORTED MET(S): MCT 4.2, 4.2.2.8, 4.3

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 3 months

DESCRIPTION: Owing units retrieve or arrange to retrieve immobile, inoperative, and/or abandoned materiel. The owing 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 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 4-11.3F Convoy Operations Handbook
 8. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
 9. MCRP 4-11.4A Recovery and Battle Damage Assessment and Repair
 10. MCWP 4-11.4 Maintenance Operations
-

MCMT-MAIN-3005: Employ mobile maintenance teams

SUPPORTED MET(S): MCT 4.2, 4.2.2, 4.2.2.1, 4.2.2.2, 4.2.2.4, 4.2.2.5, 4.2.2.8, 4.3.3

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 3 months

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. MCWP 4-11.4 Maintenance Operations

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CHAPTER 4

MOS 3510 INDIVIDUAL EVENTS

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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-XXXX. This chapter utilizes the following methodology

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

<u>Code</u>	<u>Description</u>
3510	Motor Transport Maintenance Officer

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

<u>Code</u>	<u>Description</u>
ADMN	Administration
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:

<u>Code</u>	<u>Description</u>
1000	Core Skills
2000	Core Plus Skills
2X00	Advanced Core Plus Skills (The second digit can be used for categorizing events as the Task Analyst/Advocate deem appropriate)

4002. INDEX OF INDIVIDUAL EVENTS

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4003. 2000-LEVEL EVENTS

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

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

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 cleanup/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_ 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 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.

3510-ADMN-2102: Maintain equipment accountability

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3510

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given equipment and equipment accountability records.

STANDARD: To ensure 100% accountability and accurate documentation of equipment and supplies.

PERFORMANCE STEPS:

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

REFERENCES:

1. MCO P4400.150_ Consumer Level Supply Policy Manual
 2. UM 4400-123 FMF SASSY Management Unit Procedures
 3. UM 4400-124 SASSY Using Unit Procedures
-

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

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3510

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a motor transport shop, personnel, tools, supply requirements, 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 maintenance related programs.
9. Establish/review internal maintenance management policy.
10. Monitor unit equipment readiness.
11. Identify organic/non-organic maintenance capabilities.
12. Monitor the maintenance automated information systems.
13. Direct maintenance management validation/reconciliation.
14. 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 -3
5. MCO 4400.16_ Uniform Material Movement and Issue Priority System (UMMIPS)
6. MCO 5600.31_ Marine Corps Printing and Publishing Regulations
7. MCO P3500.72_ Marine Corps Ground Training and Readiness (T&R) Program
8. MCO P4400.150_ Consumer Level Supply Policy Manual
9. MCO P4790.1_ Marine Corps Integrated Maintenance Management System (MIMMS) Introduction Manual
10. MCO P5215.17_ The Marine Corps Technical Publications System
11. MCRP 3-0B How to Conduct Training
12. MCWP 4-11.4 Maintenance Operations
13. NAVMC 3500._ Applicable T&R manual
14. SL 1-2/3 Index of Authorized Publications in Stock
15. SL 1-3 Index of Authorized Publications in Stock
16. TI 4733-OD/1_ Calibration Requirements Marine Corps Test, Measurement and Diagnostic Equipment Calibration and Maintenance Program
17. TI 4733-OD/10_ Special Calibration of Torque Tools
18. TM 4700-15/1_ Ground Equipment Record Procedures
19. UM 4400-123 FMF SASSY Management Unit Procedures
20. UM 4400-124 SASSY Using Unit Procedures
21. UM 4790-5 MIMMS-AIS Field Maintenance Procedures
22. UM-MCPDS 5605 Marine Corps Publications Distribution System

3510-LIC-2301: Manage a licensing program

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3510

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given licensing authority, a requirement, references, forms, personnel and appropriate resources.

STANDARD: To ensure licensing requirements are met IAW MCO 11240.118.

PERFORMANCE STEPS:

1. Analyze licensing requirement.
2. Supervise the licensing process.
3. Validate driver's testing.

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-2401: Direct maintenance production

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3510

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given the references and a requirement.

STANDARD: To meet the commanders equipment readiness requirement.

PERFORMANCE STEPS:

1. Manage established maintenance procedures.
2. Manage maintenance resources.
3. Direct actions during each maintenance phase.
4. Direct 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 Automated Readiness Evaluation System (MARES) Equipment
 5. MCO 4790.25 Ground Equipment Maintenance Program (GEMP)
 6. MCO P4790.2_ MIMMS Field Procedures Manual
 7. MCRP 3-0B How to Conduct Training
 8. TM 4700-15/1_ Ground Equipment Record Procedures
 9. UM 4000-125 Retail Supply and Maintenance Execution Procedures
-

3510-MAIN-2402: Direct shop safety programs

EVALUATION-CODED: NO **SUSTAINMENT INTERVAL:** 12 months

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 3500.27_ Operational Risk Management (ORM)
3. MCO 5100.8_ Marine Corps Occupational Safety and Health (OSH) Policy Order
4. 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-2403: Manage a load testing program

EVALUATION-CODED: NO **SUSTAINMENT INTERVAL:** 12 months

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. Direct the disposition of load test records.

4. Certify the Annual Condition Inspection (ACI) and/or load test of tactical ground load lifting equipment.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. TM 4700-15/1_ Ground Equipment Record Procedures
 4. UM 4000-125 Retail Supply and Maintenance Execution Procedures
-

3510-OPER-2501: Command convoy operations

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3510

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a requirement, personnel, and equipment.

STANDARD: To ensure unit movement is completed to support mission in accordance with MCRP 4-11.3F.

PERFORMANCE STEPS:

1. Review intelligence reports.
2. Determine lift requirements.
3. Coordinate route reconnaissance.
4. Develop a movement plan.
5. Coordinate CAS/MEDEVAC support.
6. Direct loading operations.
7. Conduct convoy commanders brief.
8. Conduct pre-combat actions, checks/inspections.
9. Direct the movement of the convoy.
10. Direct the defense of the convoy.
11. Supervise vehicle fording operations, as required.
12. Supervise vehicle recovery operations, as required.
13. Supervise field expedient repairs, as required.
14. Supervise limited visibility driving operations.
15. Conduct mission debrief.
16. Prepare mission after-action brief.

REFERENCES:

1. ATP 4-11 Army Motor Transport Operations
2. ES&IP Energy Strategy and Implementation Plan (FEB 2011)
3. FM 55-30 Army Motor Transport Units and Operations
4. MCRP 3-40-3A Multi-Service Communications Procedures and Tactical Radio Procedures in Joint environment
5. MCRP 4-11.3F Convoy Operations Handbook
6. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
7. MCRP 4-11.4A Recovery and Battle Damage Assessment and Repair

8. MCWP 3-17.1 Combined Arms Gap-Crossing Operations
 9. MCWP 4-11 Tactical-Level Logistics
 10. MCWP 4-11.3 Transportation Operations
 11. MCWP 5-1 Marine Corps Planning Process (MCP)
 12. MSTP PAM 4-0.1 Movement Control
 13. NAVSEA OP 5 Vol 1 Ammunition and Explosives/Ashore Safety Regulations of Handling, Storage, Production, Renovation and Shipping
 14. NAVSEA OP 5 Vol 2 Ammunition & Explosives Ashore Safety Regulation
 15. NAVSEA OP 5 Vol 3 Ammunition and Explosives Safety Ashore for Contingencies, Combat Operations, Military Operations Other Than War, and Associated Training
 16. NAVSEA SWO20-AF-ABK-010 Motor Vehicle Driver and Shipping Inspector's Manual for Ammunition, Explosives and Related Hazardous Materials
 17. TM 09880C-OR Operator's Guide, DAGR Operator's Pocket Guide
 18. TM 11240-OD Principal Technical Characteristics of U.S. Marine Corps Motor Transportation Equipment
 19. TM 4700-15/1_ Ground Equipment Record Procedures
-

3510-OPER-2502: Supervise motor transport operations

EVALUATION-CODED: NO **SUSTAINMENT INTERVAL:** 12 months

MOS PERFORMING: 3510

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a requirement, personnel and equipment.

STANDARD: To ensure motor transport support requirements are met.

PERFORMANCE STEPS:

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

REFERENCES:

1. DOD Reg 4500.9-R Part I Defense Transportation Regulation Part I - Passenger Movements
2. DOD Reg 4500.9-R Part II Defense Transportation Regulation Part II - Cargo Movement
3. DOD Reg 4500.9-R Part III Defense Transportation Regulation Part III - Mobility
4. MCO P4030.19_ Preparing Hazardous Materials for Military Air Shipments
5. MCO P4030.21_ Packaging of Materiel - Packing
6. MCO P4030.31_ Packaging of Materiel - Preservation
7. MCO P4030.36_ Marine Corps Packaging Manual

8. MCRP 4-11.3F Convoy Operations Handbook
9. MCRP 4-11.3G Unit Embarkation Handbook
10. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
11. MCWP 4-1 Logistics Operations
12. MCWP 4-11 Tactical-Level Logistics
13. MCWP 4-11.3 Transportation Operations
14. MCWP 4-11.4 Maintenance Operations
15. MCWP 5-1 Marine Corps Planning Process (MCP)
16. MSTP PAM 4-0.1 Movement Control
17. NAVSEA SW020-AF-HBK-010 Motor Vehicle Driver and Shipping Inspector's Handbook for Ammunition, Explosives and Related Hazardous Materials

3510-OPER-2503: Direct the establishment of a tactical motor pool

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3510

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

INITIAL TRAINING SETTING: FORMAL

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

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 Basic Area Requirements.
5. Determine emergency exits.
6. Determine requirements for a fire prevention plan.
7. Develop physical security requirements.
8. Employ a defense plan.
9. Determine environmental considerations.

REFERENCES:

1. ATP 4-11 Army Motor Transport Operations
2. MCRP 3-0B How to Conduct Training
3. MCWP 4-1 Logistics Operations
4. MCWP 4-11.3 Transportation Operations
5. MCWP 4-11.4 Maintenance Operations
6. MCWP 5-1 Marine Corps Planning Process (MCP)

3510-OPER-2504: Employ vehicle recovery capabilities

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

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 move disabled equipment to a designated location 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. FM 5-125 Rigging Techniques, Procedures and Applications
 4. MCRP 4-11.3F Convoy Operations Handbook
 5. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
 6. MCRP 4-11.4A Recovery and Battle Damage Assessment and Repair
 7. MCWP 4-11.3 Transportation Operations
 8. MCWP 4-11.4 Maintenance Operations
-

3510-OPER-2505: Manage movement control

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3510

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given references, a requirement, personnel and equipment for vehicle movements, and automated informational system.

STANDARD: 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 transportation planning.
5. Manage coordination, allocation, and routing.
6. Manage transportation In-Transit Visibility.

7. Coordinate with Movement Control Agencies.

REFERENCES:

1. ES&IP Energy Strategy and Implementation Plan (FEB 2011)
2. MCRP 4-11.3F Convoy Operations Handbook
3. MCWP 3-17.1 Combined Arms Gap-Crossing Operations
4. MCWP 4-11.3 Transportation Operations
5. MSTP PAM 4-0.1 Movement Control
6. TM 11240-OD Principal Technical Characteristics of U.S. Marine Corps Motor Transportation Equipment

MISCELLANEOUS:

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

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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 includes all individual events for the Automotive Organizational 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.

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-XXXX. This chapter utilizes the following methodology:

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

<u>Code</u>	<u>Description</u>
3521	Automotive Organizational Mechanic

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

MAIN	Maintenance
ADVM	Advance 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:

<u>Code</u>	<u>Description</u>
1000	Core Skills
2000	Core Plus Skills
2X00	Advanced Core Plus Skills (The second digit can be used for categorizing events as the Task Analyst/Advocate deem appropriate)

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5003. 1000-LEVEL EVENTS

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

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a vehicle that is pending repairs or has been repaired and associated operation's manual.

STANDARD: To ensure the vehicle operates properly.

PERFORMANCE STEPS:

1. Apply shop safety.
2. Conduct operator level PMCS.
3. Conduct operator vehicle inspections.
4. Perform vehicle basic control skills.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. CFR Code of Federal Regulations
 4. MCO 11240.118_ Licensing Program for Tactical Wheeled Motor Transport Equipment Operators
 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. MCO 5100.29_ Marine Corps Safety Program
 7. TM 11240-15/3_ Tactical Motor Transport Licensing Official's Manual
-

3521-MAIN-1002: Conduct tool inventory

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given the references, a tool 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. ASL Authorized Stock List
 2. MCO 4733.1_ Marine Corps Test, Measurement, and Diagnostic Equipment (TMDE) Calibration and Maintenance Program (CAMP)
 3. MCO P4400.150_ Consumer Level Supply Policy Manual
 4. MCO P4790.2_ MIMMS Field Procedures Manual
 5. TM 10209-10/1_ Use and Care of Hand Tools and Measuring Tools
 6. TM 4700-15/1_ Ground Equipment Record Procedures
-

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

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: 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. TM 10209-10/1_ Use and Care of Hand Tools and Measuring Tools
 2. TM 9-8000 Principles of Automotive Vehicles
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3521-MAIN-1004: Process maintenance functions within the current Automated Information Systems (AIS)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given references, a requirement, and access to the current Automated Information System (AIS).

STANDARD: To accurately report and maintain equipment readiness.

PERFORMANCE STEPS:

1. Create a service request (SR).
2. Navigate the universal work queue (UWQ).
3. Create a parts requirement.
4. Debrief an assigned task.

REFERENCES:

1. UM 4000-125 Retail Supply and Maintenance Execution Procedures
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3521-MAIN-1005: Perform maintenance on the electrical system

EVALUATION-CODED: NO **SUSTAINMENT INTERVAL:** 12 months

DESCRIPTION: The electrical system consists of: battery, wiring and connections, lighting, starting and charging systems.

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: Ensuring system operates properly.

PERFORMANCE STEPS:

1. Inspect the electrical system for serviceability.
2. Diagnose the cause of a malfunctioning electrical system.
3. Repair unserviceable components of the electrical system.
4. Replace unserviceable 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
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3521-MAIN-1006: Perform maintenance on the Central Tire Inflation System (CTIS)

EVALUATION-CODED: NO **SUSTAINMENT INTERVAL:** 12 months

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 system operates properly.

PERFORMANCE STEPS:

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

3. Repair unserviceable components of the exhaust system.
4. Replace unserviceable components of the exhaust system.
5. 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-1009: Perform maintenance on the cooling system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

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 cooling system for serviceability.
2. Diagnose the cause of a malfunctioning cooling system.
3. Repair unserviceable components of the cooling system.
4. Replace unserviceable components of the cooling system.
5. Test the cooling 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 fuel system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

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 fuel system for serviceability.
2. Diagnose the cause of a malfunctioning fuel system.
3. Repair unserviceable components of the fuel system.
4. Replace unserviceable 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
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3521-MAIN-1011: Perform maintenance on the power plant/train

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: The power plant/train consists of: engine, transmission, transfer, propeller shafts, and axles.

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 power plant/train system for serviceability.
2. Diagnose the cause of a malfunctioning power plant/train system.
3. Repair unserviceable components of the power plant/train system.
4. Replace unserviceable components of the power plant/train system.
5. Test the power plant/train system.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. TM 9-8000 Principles of Automotive Vehicles
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3521-MAIN-1012: Perform maintenance on the brake system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

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 brake system for serviceability.
2. Diagnose the cause of a malfunctioning brake system.
3. Repair unserviceable components of the brake system.
4. Replace unserviceable 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
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3521-MAIN-1013: Perform maintenance on the compressed air system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

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 unserviceable components of the compressed air system.
4. Replace unserviceable 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
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3521-MAIN-1014: Perform maintenance on the steering system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

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 steering system for serviceability.
2. Diagnose the cause of a malfunctioning steering system.
3. Repair unserviceable components of the steering system.
4. Replace unserviceable 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
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3521-MAIN-1015: Perform maintenance on the suspension system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

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 suspension system for serviceability.
2. Diagnose the cause of a malfunctioning suspension system.
3. Repair unserviceable components of the suspension system.
4. Replace unserviceable 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
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3521-MAIN-1016: Perform maintenance on the hydraulic system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

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 the vehicle operates properly.

PERFORMANCE STEPS:

1. Inspect the hydraulic system for serviceability.
2. Diagnose the cause of a malfunctioning hydraulic system.
3. Repair unserviceable components of the hydraulic system.
4. Replace unserviceable 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
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3521-MAIN-1017: Perform maintenance on the Heating Ventilation/Air Conditioning (HVAC) system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

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 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-MAIN-1018: Perform maintenance on the engine cold start system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

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 equipment is operational.

PERFORMANCE STEPS:

1. Diagnose the cause of a malfunctioning cold start system.
2. Repair unserviceable components of the cold start system.
3. Replace unserviceable 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
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5004. 2000-LEVEL EVENTS

3521-ADVM-2001: Determine maintenance resources

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a requirement, a table of organization and table of equipment (TO&E), and the references.

STANDARD: To meet mission requirements and sustain unit readiness.

PERFORMANCE STEPS:

1. Determine tool sets and kits.
2. Determine maintenance capabilities of diagnostic equipment.
3. Determine POL requirements.
4. Determine part requirements.
5. Determine equipment 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 5311.1_ Total Force Structure Process (TFSP)
5. MCO P4400.150_ Consumer Level Supply Policy Manual
6. MCRP 3-0B How to Conduct Training
7. MCTFSPRIUM Marine Corps Total Force System Personnel Reporting Instructions User's Manual
8. TM 11240-OD Principal Technical Characteristics of U.S. Marine Corps Motor Transportation Equipment

3521-ADVM-2002: Manage equipment through maintenance production

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given references, Automated Information System (AIS), facility, requirement, personnel and equipment.

STANDARD: To maintain unit readiness.

PERFORMANCE STEPS:

1. Determine tasks to be performed during the acceptance phase.
2. Determine tasks to be performed during the induction phase.
3. Determine tasks to be performed during the maintenance phase.
4. Determine tasks to be performed during the closeout phase.
5. Determine preventive maintenance requirements.
6. Determine corrective maintenance requirements.
7. Prepare AIS input transactions.
8. Audit AIS input transactions.
9. Determine the use of AIS output reports.
10. Audit output reports.

11. Manage calibrations program.
12. Manage modifications program.

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 Automated Readiness Evaluation System (MARES) 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. MCO 4733.1_ Marine Corps Test, Measurement, and Diagnostic Equipment (TMDE) Calibration and Maintenance Program (CAMP)
8. MCRP 3-0B How to Conduct Training
9. TI 4733-OD/1_ Calibration Requirements Marine Corps Test, Measurement and Diagnostic Equipment Calibration and Maintenance Program
10. TI 4733-OD/10_ Special Calibration of Torque Tools
11. TM 4700-15/1_ Ground Equipment Record Procedures
12. UM 4000-125 Retail Supply and Maintenance Execution Procedures
13. UM 4790-5 MIMMS-AIS Field Maintenance Procedures

3521-ADVM-2003: Utilize precision tools

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given references, required tool, and equipment perform precision measurements.

STANDARD: 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. AEOM Applicable Equipment Owners Manuals
2. MCO 4733.1_ Marine Corps Test, Measurement, and Diagnostics Equipment

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Provided with a requirement, personnel, records and the references.

STANDARD: To ensure accuracy and compliance.

PERFORMANCE STEPS:

1. Manage maintenance administration.
2. Manage personnel and training.
3. Prepare records and reports.
4. Maintain publications control.
5. Maintain equipment availability.
6. Conduct corrective maintenance.
7. Conduct supply support.
8. Perform maintenance related programs.
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. ALO/I Applicable Lubrication Order/Instruction
5. ATI Applicable Technical Instruction
6. MCBUL 3000 Marine Corps Automated Readiness Evaluation System (MARES) Equipment
7. MCO 3000.11_ Ground Equipment Condition and Supply Materiel Readiness Reporting (MRR) Policy
8. MCO 4400.16_ Uniform Material Movement and Issue Priority System (UMMIPS)
9. MCO 4855.10_ Product Quality Deficiency Report (PQDR)
10. MCO 5600.31_ Marine Corps Printing and Publishing Regulations
11. MCO P4400.150_ Consumer Level Supply Policy Manual
12. MCO P5215.17_ The Marine Corps Technical Publications System
13. MCRP 3-0B How to Conduct Training
14. TM 4700-15/1_ Ground Equipment Record Procedures
15. UM 4000-125 Retail Supply and Maintenance Execution Procedures
16. UM 4790-5 MIMMS-AIS Field Maintenance Procedures
17. UM-MCPDS 5605 Marine Corps Publications Distribution System
18. UM-PLMS Marine Corps Publications Library Management System (PLMS) User's Manual

3521-ADVM-2006: Repair A/C system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided a tactical vehicle with a faulty A/C system, required tools, and replacement parts, shop supplies, cleaning materials, Automated Information System (AIS) and references.

STANDARD: To restore equipment to full operating capability.

PERFORMANCE STEPS:

1. Validate A/C system serviceability.
2. Document all maintenance actions as required.
3. Utilize schematics.
4. Employ diagnostic equipment.
5. Diagnose faulty sub-assemblies and components.
6. Determine part requirements.
7. Replace unserviceable subassemblies and components.
8. Determine cause of failure.
9. Draft Product Quality Deficiency Report (PQDR) as required.
10. Conduct system test

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
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3521-ADVM-2007: Perform Preventive Maintenance Checks and Services (PMCS)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: 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.

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. FM 21-305 Manual for Wheeled Vehicle Driver
 6. FM 55-30 Army Motor Transport Units and Operations
 7. MCO P4790.2_ MIMMS Field Procedures Manual
 8. MCWP 4-11.4 Maintenance Operations
 9. NAVMC DIR 5100.8_ Marine Corps Occupational Safety and Health (OSH) Program Manual
 10. TM 4700-15/1_ Ground Equipment Record Procedures
 11. UM 4000-125 Retail Supply and Maintenance Execution Procedures
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3521-ADVM-2008: Repair electrical system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

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

STANDARD: To restore equipment to full operating capability.

PERFORMANCE STEPS:

1. Validate electrical system serviceability.
2. Document all maintenance actions as required.
3. Utilize schematics.
4. Diagnose faulty electrical system.
5. Isolate faulty components.
6. Determine cause of failure.
7. Determine parts requirements.
8. Repair unserviceable components.
9. Replace unserviceable components.
10. Draft Product Quality Deficiency Report (PQDR) as required.
11. 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
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3521-ADVM-2009: Perform maintenance on the chassis

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: MOJT

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

STANDARD: To ensure vehicle frame properly supports vehicle operation.

PERFORMANCE STEPS:

1. Inspect the chassis system for serviceability.
2. Document all maintenance actions as required.
3. Repair unserviceable components of the chassis system.
4. Replace unserviceable components of the chassis system.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. UM 4000-125 Retail Supply and Maintenance Execution Procedures
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3521-ADVM-2010: Repair engines

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

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

STANDARD: To restore equipment to full operating capability.

PERFORMANCE STEPS:

1. Validate engine serviceability.
2. Document all maintenance actions as required.
3. Remove engine as required.
4. Disassemble engine.
5. Diagnose faulty sub-assemblies and components.
6. Determine cause of failure.
7. Draft Product Quality Deficiency Report (PQDR) as required.
8. Determine part requirements.
9. Repair unserviceable subassemblies and components.
10. Replace unserviceable subassemblies and components.
11. Assemble engine.
12. Conduct engine test.

13. Install engine as required.
14. Perform final quality control inspection.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. TM 10375A-14&P Instruction Manual Installation, Operation and Maintenance Power Test, Inc.
 4. UM 4000-125 Retail Supply and Maintenance Execution Procedures
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3521-ADVM-2011: Repair transmissions

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

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

STANDARD: To restore equipment to full operating capability.

PERFORMANCE STEPS:

1. Validate transmission serviceability.
2. Document all maintenance actions as required.
3. Determine part requirements.
4. Remove transmission as required.
5. Disassemble transmission.
6. Diagnose faulty sub-assemblies and components.
7. Determine cause of failure.
8. Draft Product Quality Deficiency Report (PQDR) as required.
9. Determine part requirements.
10. Replace unserviceable subassemblies and components.
11. Assemble transmission.
12. Conduct transmission test.
13. Install transmission as required.
14. Perform final quality control inspection.

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
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3521-ADVM-2012: Perform maintenance on the fire suppression system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Provided a tactical wheeled vehicle with a faulty fire suppression system, required tools, replacement parts, shop supplies, cleaning materials, Automated Information System (AIS) and references.

STANDARD: To ensure the vehicle operates properly.

PERFORMANCE STEPS:

1. Identify safety related restrictions.
2. Inspect the fire suppression system for serviceability.
3. Diagnose the cause of a malfunctioning fire suppression system.
4. Document all maintenance actions as required.
5. Repair unserviceable components of the fire suppression system.
6. Replace unserviceable components of the fire suppression system.
7. Perform final quality control inspection.

REFERENCES:

1. A-COTS Applicable Commercial Off The Shelf (COTS) Manuals
 2. AETM Applicable Equipment Technical Manuals
 3. AIETM Applicable Interactive Electronic Technical Manual
 4. UM 4000-125 Retail Supply and Maintenance Execution Procedures
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3521-ADVM-2013: Repair geared hubs on motor transport equipment

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Provided a tactical wheeled vehicle with a faulty geared hub, required tools, and replacement parts, shop supplies, cleaning materials, Automated Information System (AIS) and references.

STANDARD: To restore equipment to maintain unit readiness.

PERFORMANCE STEPS:

1. Disassemble geared hubs.
2. Inspect geared hub components for serviceability.
3. Replace unserviceable components.
4. Assemble geared hubs.
5. Document all maintenance actions 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
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3521-ADVM-2014: Repair differential assemblies

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

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

STANDARD: To restore equipment to maintain unit readiness.

PERFORMANCE STEPS:

1. Validate differential serviceability.
2. Document all maintenance actions as required.
3. Diagnose equipment.
4. Remove differential as required.
5. Disassemble differential.
6. Diagnose faulty components.
7. Determine cause of failure.
8. Draft Product Quality Deficiency Report (PQDR) as required.
9. Determine part requirements.
10. Replace unserviceable components.
11. Assemble differential.
12. Install differential as required.
13. 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
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3521-ADVM-2015: Repair winches on motor transport equipment

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: MOJT

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

STANDARD: To restore equipment to maintain unit readiness.

PERFORMANCE STEPS:

1. Disassemble winch.
2. Inspect winch components for serviceability.
3. Replace unserviceable components.
4. Assemble winch.
5. Document all maintenance actions 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-ADVM-2016: Repair hydraulic system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

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

STANDARD: To restore equipment to full operating capability.

PERFORMANCE STEPS:

1. Validate hydraulic system serviceability.
2. Document all maintenance actions as required.
3. Utilize schematics.
4. Diagnose faulty hydraulic system.
5. Isolate faulty components.
6. Determine cause of failure.
7. Draft Product Quality Deficiency Report (PQDR) as required.
8. Determine part requirements.
9. Replace unserviceable components.
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
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3521-ADVM-2017: Repair steering system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

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

STANDARD: To restore equipment to full operating capability.

PERFORMANCE STEPS:

1. Validate steering system serviceability.
2. Utilize schematics.
3. Document all maintenance actions as required.
4. Isolate faulty steering system component.
5. Employ diagnostics equipment.
6. Determine cause of failure.
7. Draft Product Quality Deficiency Report (PQDR) as required.
8. Determine part requirements.
9. Replace unserviceable components.
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
-

3521-ADVM-2018: Repair transfers

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

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

STANDARD: To restore equipment to full operating capability.

PERFORMANCE STEPS:

1. Validate transfer serviceability.
2. Document all maintenance actions as required.

3. Remove transfer as required.
4. Disassemble transfer.
5. Diagnose faulty sub-assemblies and components.
6. Determine cause of failure.
7. Draft Product Quality Deficiency Report (PQDR) as required.
8. Determine part requirements.
9. Replace unserviceable subassemblies and components.
10. Assemble transfer.
11. Conduct transfer test.
12. Install transfer as required.
13. 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
-

3521-ADVM-2019: Repair pneumatic system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

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

STANDARD: To restore equipment to full operating capability.

PERFORMANCE STEPS:

1. Validate pneumatic system serviceability.
2. Document all maintenance actions as required.
3. Utilize schematics.
4. Employ diagnostic equipment.
5. Diagnose faulty sub-assemblies and components.
6. Determine part requirements.
7. Repair unserviceable subassemblies and components.
8. Replace unserviceable subassemblies and components.
9. Determine cause of failure.
10. Draft Product Quality Deficiency Report (PQDR) as required.
11. 11. Conduct system test.

REFERENCES:

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

<u>Code</u>	<u>Description</u>
3524	Fuel and Electrical Systems Mechanic

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

<u>Code</u>	<u>Description</u>
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:

<u>Code</u>	<u>Description</u>
2000	Core Plus Skills
2X00	Advanced Core Plus Skills (The second digit can be used for categorizing events as the Task Analyst/Advocate deem appropriate)

6002. INDEX OF INDIVIDUAL EVENTS

EVENT CODE	EVENT	PAGE
2000-LEVEL		
3524-MAIN-2001	Perform maintenance on fuel system test equipment	6-3
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6003. 2000-LEVEL EVENTS

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

EVALUATION-CODED: NO **SUSTAINMENT INTERVAL:** 12 months

MOS PERFORMING: 3524

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: 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

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

MOS PERFORMING: 3524

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with a faulty turbocharger, required tools, and 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

MOS PERFORMING: 3524

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Provided with a faulty blower, required tools, and 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

MOS PERFORMING: 3524

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with a faulty starter, required tools, and 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

MOS PERFORMING: 3524

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Provided with a faulty generator, required tools, and 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.

REFERENCES:

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

MOS PERFORMING: 3524

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with a faulty injection pump, required tools, test equipment, replacement parts, and 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

MOS PERFORMING: 3524

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with a faulty alternator, required tools, and 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

MOS PERFORMING: 3524

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with a faulty personnel heater, required tools, and 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.

REFERENCES:

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

MOS PERFORMING: 3524

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Provided with a faulty nozzle, required tools, test equipment, replacement parts, and 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

MOS PERFORMING: 3524

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

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

STANDARD: Restoring the component to an operational level.

PERFORMANCE STEPS:

1. Perform an 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
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3524-MAIN-2012: Repair a fuel pump

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3524

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with a faulty fuel pump, required tools, test equipment, replacement parts, and 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.

REFERENCES:

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

CHAPTER 7

MOS 3526 INDIVIDUAL EVENTS

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MOTOR T T&R MANUAL

CHAPTER 7

MOS 3526 INDIVIDUAL EVENTS

7000. 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.

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:

<u>Code</u>	<u>Description</u>
3524	Fuel and Electrical Systems Mechanic

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

<u>Code</u>	<u>Description</u>
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:

<u>Code</u>	<u>Description</u>
2000	Core Plus Skills
2X00	Advanced Core Plus Skills (The second digit can be used for categorizing events as the Task Analyst/Advocate deem appropriate)

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7003. 2000-LEVEL EVENTS

3526-MAIN-2001: Operate the truck firefighting system

EVALUATION-CODED: NO **SUSTAINMENT INTERVAL:** 12 months

MOS PERFORMING: 3526

GRADES: LCPL, CPL, SGT, SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a Crash/Fire Rescue vehicle and references.

STANDARD: To successfully employ equipment during fires with minimum damage to equipment, personnel or property.

PERFORMANCE STEPS:

1. Perform operator PMCS.
2. Engage firefighting systems.
3. Test firefighting systems.

REFERENCES:

1. AEMI Applicable Equipment Modification Instruction
 2. AETM Applicable Equipment Technical Manuals
-

3526-MAIN-2002: Perform Preventive maintenance Checks and Services (PMCS)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3526

GRADES: LCPL, CPL, SGT, SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a Crash/Fire and Rescue vehicle, tools, equipment and references.

STANDARD: To ensure that all malfunctions are annotated and corrected.

PERFORMANCE STEPS:

1. Perform before operation PMCS.
2. Perform during operation PMCS.
3. Perform after operation PMCS.
4. Perform weekly PMCS.
5. Perform monthly PMCS.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. LI 08674A-12/1 Lubrication Instruction, Aircraft CFR Truck.
 4. TM 08674A-10/1 Ops and Maintenance Instructions Aircraft CFR Truck
-

3526-MAIN-2003: Operate the truck in conjunction with road testing

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3526

GRADES: LCPL, CPL, SGT, SSGT, GYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a Crash/Fire Rescue vehicle and references.

STANDARD: To safely maneuver vehicle with minimum damage to equipment,

personnel or property.

PERFORMANCE STEPS:

1. Perform operator PMCS.
2. Drive the vehicle in all forward ranges.
3. Drive the vehicle in reverse.
4. Park the vehicle.

REFERENCES:

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

3526-MAIN-2004: Operate the structural panel

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3526

GRADES: LCPL, CPL, SGT, SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a Crash/Fire Rescue vehicle and references.

STANDARD: To successfully employ equipment during fires with minimum damage to equipment, personnel or property.

PERFORMANCE STEPS:

1. Perform operator PMCS.
2. Start vehicle.
3. Activate the structural panel.
4. Engage the pump.
5. Engage the structural panel throttle.
6. Disengage the structural panel throttle.
7. Deactivate the structural panel.
8. Shut off the vehicle.

REFERENCES:

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

3526-MAIN-2005: Perform maintenance on the wiring/lighting system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3526

GRADES: LCPL, CPL, SGT, SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a Crash/Fire and Rescue vehicle with a damaged or faulty electrical wiring/lighting components, replacement parts, tools, equipment and references.

STANDARD: To successfully restore the system to operational status.

PERFORMANCE STEPS:

1. Inspect the wiring/lighting system.
2. Test the wiring/lighting system.
3. Diagnose faulty wiring/lighting system.
4. Adjust components of the wiring/lighting system.
5. Replace components of the wiring/lighting system.
6. Repair defective wiring.

REFERENCES:

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

3526-MAIN-2006: Perform maintenance on the cranking system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3526

GRADES: LCPL, CPL, SGT, SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a Crash/Fire and Rescue vehicle with a damaged or faulty cranking system, replacement parts, tools, equipment and references.

STANDARD: To successfully restore the system to operational status.

PERFORMANCE STEPS:

1. Inspect the cranking system.
2. Test the cranking system.
3. Diagnose a malfunctioning cranking system.
4. Replace defective components of the cranking system.

REFERENCES:

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

3526-MAIN-2007: Perform maintenance on the charging system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3526

GRADES: LCPL, CPL, SGT, SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a Crash/Fire and Rescue vehicle with a damaged or faulty charging system, replacement parts, tools, equipment and references.

STANDARD: To successfully restore the system to operational status.

PERFORMANCE STEPS:

1. Inspect the charging system.
2. Test the charging system.
3. Diagnose a malfunctioning charging system.
4. Replace defective components of the charging system.

REFERENCES:

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

3526-MAIN-2008: Perform maintenance on the air induction system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3526

GRADES: LCPL, CPL, SGT, SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a Crash/Fire and Rescue vehicle with a damaged or faulty air induction system, replacement parts, tools, equipment and references.

STANDARD: To successfully restore the system to operational status.

PERFORMANCE STEPS:

1. Inspect air induction system.
2. Test air induction system.
3. Diagnose a malfunctioning air induction system.
4. Service the air induction system.
5. Repair air induction system.
6. Replace defective components of the air induction system.

REFERENCES:

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

3526-MAIN-2009: Perform maintenance on the compressed air brake system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3526

GRADES: LCPL, CPL, SGT, SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a Crash/Fire and Rescue vehicle with a damaged or faulty air brake system, replacement parts, tools, equipment and references.

STANDARD: As prescribed in the current reference(s).

PERFORMANCE STEPS:

1. Inspect the air brake system.
2. Test the air brake system.
3. Diagnose a malfunctioning air brake system.
4. Service the air brake system.
5. Replace defective components of the air brake system.
6. Adjust air brake system as required.

REFERENCES:

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

3526-MAIN-2010: Perform maintenance on the exhaust system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3526

GRADES: LCPL, CPL, SGT, SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a Crash/Fire and Rescue vehicle with a damaged or faulty exhaust system, replacement parts, tools and references.

STANDARD: To successfully restore the system to operational status.

PERFORMANCE STEPS:

1. Inspect the exhaust system.
2. Test the exhaust system.
3. Diagnose a malfunctioning exhaust system.
4. Replace defective components of the exhaust system.

REFERENCES:

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

3526-MAIN-2011: Perform maintenance on the fuel system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3526

GRADES: LCPL, CPL, SGT, SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a Crash/Fire and Rescue vehicle with a damaged or faulty fuel system, replacement parts, tools equipment and references.

STANDARD: To successfully restore the system to operational status.

PERFORMANCE STEPS:

1. Inspect the fuel system.
2. Test the components of the fuel system.
3. Diagnose a malfunctioning fuel system.
4. Service the fuel system.
5. Replace components of the fuel system.

REFERENCES:

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

3526-MAIN-2012: Perform maintenance on the cold start system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3526

GRADES: LCPL, CPL, SGT, SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a Crash/Fire and Rescue vehicle with a damaged or faulty starting system, replacement parts, tools, equipment and references.

STANDARD: To successfully restore the system to operational status.

PERFORMANCE STEPS:

1. Inspect the cold start system.
2. Test the cold start system.
3. Diagnose a malfunctioning cold start system.
4. Replace defective components of the cold start system.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
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3526-MAIN-2013: Perform maintenance on the hub assemblies

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3526

GRADES: LCPL, CPL, SGT, SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a Crash/Fire and Rescue vehicle with a damaged or faulty hub system, replacement parts, tools, equipment and references.

STANDARD: To successfully restore the system to operational status.

PERFORMANCE STEPS:

1. Remove the truck hubs.
2. Inspect the truck hub assemblies for serviceability.
3. Remove the bearings.
4. Inspect the hub and bearing assemblies for serviceability.
5. Replace defective assembly components.
6. Install the bearings.
7. Install the hub assemblies.
8. Adjust the bearings.

REFERENCES:

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

3526-MAIN-2014: Perform maintenance on the drive train

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3526

GRADES: LCPL, CPL, SGT, SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a Crash/Fire and Rescue vehicle with a damaged or faulty drive train, replacement parts, tools, equipment and references.

STANDARD: To successfully restore the system to operational status.

PERFORMANCE STEPS:

1. Perform maintenance on the transmission.
2. Perform maintenance on the power divider.
3. Perform maintenance on the propeller shaft assemblies.
4. Perform maintenance on the axles.

REFERENCES:

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

3526-MAIN-2015: Perform maintenance on the cooling system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3526

GRADES: LCPL, CPL, SGT, SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a Crash/Fire and Rescue vehicle with a damaged or faulty cooling system, replacement parts, tools, equipment and references.

STANDARD: To successfully restore the system to operational status.

PERFORMANCE STEPS:

1. Inspect the cooling system.
2. Test the cooling system.
3. Diagnose a malfunctioning cooling system.
4. Service the cooling system.
5. Replace components of the cooling system.

REFERENCES:

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

3526-MAIN-2016: Perform maintenance on the suspension system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3526

GRADES: LCPL, CPL, SGT, SSGT, GYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a Crash/Fire and Rescue vehicle with a damaged or faulty suspension system, replacement parts, tools and references.

STANDARD: To successfully restore the system to operational status.

PERFORMANCE STEPS:

1. Inspect the suspension system.
2. Test suspension system.
3. Diagnose a malfunctioning suspension system.
4. Replace unserviceable suspension components.

REFERENCES:

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

3526-MAIN-2017: Perform maintenance on the tire/wheel assembly

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3526

GRADES: LCPL, CPL, SGT, SSGT, GYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a Crash/Fire and Rescue vehicle, replacement parts, tools, equipment and references.

STANDARD: To successfully maintain operational status.

PERFORMANCE STEPS:

1. Inspect the tire/wheel assembly.
2. Diagnose a malfunctioning tire/wheel assembly.
3. Remove the tire/wheel assembly.
4. Repair the tire/wheel assembly.
5. Install the tire/wheel assembly.

REFERENCES:

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

3526-MAIN-2018: Perform maintenance on the firefighting systems

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3526

GRADES: LCPL, CPL, SGT, SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a Crash/Fire and Rescue vehicle with a damaged or faulty firefighting system, replacement parts, tools, equipment and references.

STANDARD: To successfully restore the system to operational status.

PERFORMANCE STEPS:

1. Inspect firefighting system.
2. Test firefighting system.
3. Diagnose a malfunctioning firefighting system.
4. Repair firefighting system.

REFERENCES:

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

3526-MAIN-2019: Perform maintenance on the steering system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3526

GRADES: LCPL, CPL, SGT, SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a Crash/Fire and Rescue vehicle with a damaged or faulty steering system, replacement parts, tools and equipment.

STANDARD: To successfully restore the system to operational status.

PERFORMANCE STEPS:

1. Inspect the steering system.
2. Test the steering system.
3. Diagnose a malfunctioning steering system.
4. Service the steering system.
5. Replace components of the steering system.

REFERENCES:

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

3526-MAIN-2020: Repair firefighting system components

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3526

GRADES: LCPL, CPL, SGT, SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a Crash/Fire and Rescue vehicle with a damaged or faulty components, tools, equipment and references.

STANDARD: To successfully restore the system to operational status.

PERFORMANCE STEPS:

1. Inspect the firefighting system components.
2. Determine repairs required.
3. Replace or repair component.
4. Test component for operability.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals

2. AIETM Applicable Interactive Electronic Technical Manual

3526-MAIN-2021: Perform Scheduled Preventive Maintenance Checks and Services (PMCS)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3526

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a Crash/Fire and Rescue vehicle with replacement parts, tools, equipment and references.

STANDARD: To successfully maintain the system at an operational level.

PERFORMANCE STEPS:

1. Perform weekly PMCS.
2. Perform quarterly PMCS.
3. Perform bi-annual PMCS.
4. Perform annual PMCS.
5. Lubricate the vehicle in conjunction with PMCS.

REFERENCES:

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

3526-MAIN-2022: Perform maintenance on the winterization system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 24 months

MOS PERFORMING: 3526

GRADES: LCPL, CPL, SGT, SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a Crash/Fire and Rescue vehicle during the beginning of the winter season and references.

STANDARD: To maintain the proper cooling level and prevent overheating.

PERFORMANCE STEPS:

1. Inspect winterization system.
2. Test winterization system.
3. Diagnose a malfunctioning winterization system.
4. Repair/replace defective components of the winterization system.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
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3526-MAIN-2023: Perform maintenance on the agent delivery system

EVALUATION-CODED: NO **SUSTAINMENT INTERVAL:** 12 months

MOS PERFORMING: 3526

GRADES: LCPL, CPL, SGT, SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a Crash/Fire and Rescue vehicle with a damaged or faulty agent delivery system, replacement parts, tools, equipment and references.

STANDARD: To successfully restore the system to operational status.

PERFORMANCE STEPS:

1. Inspect the agent delivery system.
2. Test the agent delivery system.
3. Diagnose a malfunctioning agent delivery system.
4. Adjust the system as required.
5. Replace unserviceable components of the agent delivery system.

REFERENCES:

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

3526-MAIN-2024: Perform maintenance on the structural panel

EVALUATION-CODED: NO **SUSTAINMENT INTERVAL:** 12 months

MOS PERFORMING: 3526

GRADES: LCPL, CPL, SGT, SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a Crash/Fire and Rescue vehicle with a damaged or faulty structural panel, replacement parts, tools, equipment and references.

STANDARD: To successfully restore the system to operational status.

PERFORMANCE STEPS:

1. Inspect the structural panel.
2. Operate the structural panel.
3. Diagnose a malfunctioning structural panel.
4. Replace unserviceable components of the panel.

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. GCSS-MC Procedural Notice 1-11
 6. GCSS-MC Procedural Notice 2-11
 7. GCSS-MC Procedural Notice 3-11
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MOTOR T T&R MANUAL

CHAPTER 8

MOS 3529 INDIVIDUAL EVENTS

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MOTOR T T&R MANUAL

CHAPTER 8

MOS 3529 INDIVIDUAL EVENTS

8000. 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.

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:

<u>Code</u>	<u>Description</u>
3529	Motor Transport Maintenance Chief

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

<u>Code</u>	<u>Description</u>
ADMN	Administration
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 level:

<u>Code</u>	<u>Description</u>
2000	Core Plus Skills
2X00	Advanced Core Plus Skills (The second digit can be used for categorizing events as the Task Analyst/Advocate deem appropriate)

8002. INDEX OF INDIVIDUAL EVENTS

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8003. 2000-LEVEL EVENTS

3529-ADMN-2101: Supervise motor transport maintenance functions

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3529

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with a requirement, personnel, records and the references.

STANDARD: To ensure accuracy and compliance.

PERFORMANCE STEPS:

1. Manage maintenance administration.
2. Manage personnel & training.
3. Manage records and reports.
4. Manage publications control.
5. Manage equipment availability.
6. Manage preventative maintenance checks, services and corrective maintenance.
7. Manage supply support.
8. Manage maintenance related programs.
9. Maintain equipment accountability.

REFERENCES:

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)
8. MCO P4790.1_ Marine Corps Integrated Maintenance Management System Introduction
9. MCRP 3-0B How to Conduct Training
10. TM 4700-15/1_ Ground Equipment Record Procedures
11. TM 4790.2_ MIMMS Field Procedures Manual

12. UM 4000-125 Retail Supply and Maintenance Execution Procedures

3529-ADMN-2102: Direct the use of motor transport maintenance records

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3529

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with references, a requirement, personnel and records.

STANDARD: To ensure accuracy and compliance.

PERFORMANCE STEPS:

1. Enforce the procedures for completing records.
2. Audit the records.
3. Manage the disposition of records.
4. Determine requirements for submitting Product Quality Deficiency Report (PQDR).
5. Determine requirements for submitting NAVMC 10772 (Recommended Changes to Publications Form).
6. Determine requirements for submitting application for Beneficial Suggestion Program (BENESUGS).

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. ATI Applicable Technical Instruction
 6. MCBUL 3000 Marine Corps Automated Readiness Evaluation System (MARES) Equipment
 7. MCO 3000.11_ Ground Equipment Condition and Supply Materiel Readiness Reporting (MRR) Policy
 8. MCO 4400.16_ Uniform Material Movement and Issue Priority System (UMMIPS)
 9. MCO P4400.150_ Consumer Level Supply Policy Manual
 10. MCRP 3-0B How to Conduct Training
 11. TM 4700-15/1_ Ground Equipment Record Procedures
 12. UM 4000-125 Retail Supply and Maintenance Execution Procedures
 13. UM 4790-5 MIMMS-AIS Field Maintenance Procedures
-

3529-ADMN-2103: Plan maintenance support

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3529

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given the operation order, references, commander's guidance and a requirement.

STANDARD: To meet the Commanding Officer's timeline requirements by identifying all support requirements.

PERFORMANCE STEPS:

1. Determine equipment requirements.
2. Conduct problem frame.
3. Determine personnel requirements.
4. Determine bill of material requirements.
5. Assign personnel.
6. Determine petroleum, oil and lubricant requirements.
7. Monitor maintenance budget.
8. Determine requirements for drafting Universal Needs Statement (UNS).
9. Determine requirements for drafting Table of Organization and Equipment Change Request (TOECR).
10. Identify Field Service Representative (FSR) capabilities/requirements.
11. Identify maintenance requirements based on fielding plan.

REFERENCES:

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
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 5311.1_ Total Force Structure Process (TFSP)
10. MCO P1200.17_ Military Occupational Specialties Manual
11. MCO P4400.150_ Consumer Level Supply Policy Manual
12. MCRP 3-0B How to Conduct Training
13. MCWP 4-11 Tactical-Level Logistics
14. MCWP 4-11.3 Transportation Operations
15. MCWP 4-11.4 Maintenance Operations
16. TM 11240-OD Principal Technical Characteristics of U.S. Marine Corps Motor Transportation Equipment

3529-ADMN-2104: Manage shop safety programs

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3529

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given references, facilities, equipment and personnel.

STANDARD: To prevent damage to equipment or injury to personnel.

PERFORMANCE STEPS:

1. Implement safety program.
2. Enforce safety requirements when using compressed air.
3. Enforce regulations for using load bearing equipment.
4. Enforce regulations regarding a battery shop.
5. Enforce requirements for marking hazardous equipment.
6. Enforce proper use of equipment.
7. Enforce requirement for hearing conservation.
8. Identify regulations for using safety equipment.
9. Determine marking requirements of hazardous workspaces.
10. Enforce regulations for welding operations.
11. Enforce regulations for the use of respirators.

REFERENCES:

1. CFR 29 Code of Federal Regulations - Labor
2. MCO 3500.27_ Operational Risk Management (ORM)
3. NAVMC DIR 5100.8_ Marine Corps Occupational Safety and Health (OSH) Program Manual
4. TM 10209-10/1_ Use and Care of Hand Tools and Measuring Tools

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This task has been selected as a DL candidate and will remain a formal event until a DL product is produced.

3529-ADMN-2105: Manage a section's hazardous material/waste site

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3529

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

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

STANDARD: Without risk to personnel, equipment or environment.

PERFORMANCE STEPS:

1. Handling of hazardous material/hazardous waste.
2. Direct the use of Personal Protective Equipment.
3. Direct the disposal of hazardous material/hazardous 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: This task has been selected as a DL candidate and will remain a formal event until a DL product is produced. Training does not produce the NMOS of 9954.

3529-ADMN-2106: Manage maintenance production

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3529

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: 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. Validate supply requirements.
2. Reconcile supply requirements.
3. Direct tool control.
4. Direct a publication control library.
5. Direct Preventive Maintenance Checks and Services (PMCS).
6. Direct sections Demand Stock Items (DSI).
7. Direct procedures for unique maintenance requirements.
8. Determine preventive maintenance requirements.
9. Determine corrective maintenance requirements.
10. Audit AIS transactions.
11. Enforce the use of AIS output reports.
12. Direct calibrations program.
13. Direct modifications program.
14. Request 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 5600.31_ Marine Corps Printing and Publishing Regulations
 5. MCO P4400.150_ Consumer Level Supply Policy Manual
 6. MCO P5215.17_ The Marine Corps Technical Publications System
 7. MCRP 3-0B How to Conduct Training
 8. NAVMC 2761 Catalog of Publications
 9. SL 1-3 Index of Authorized Publications in Stock
 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. 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) User's Manual
-

3529-MAIN-2201: Direct maintenance actions during convoy operations

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3529

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with references, proposed convoy composition and the convoy route.

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

PERFORMANCE STEPS:

1. Review the convoy composition.
2. Review the convoy route.
3. Determine maintenance support requirements.
4. Direct the performance of required maintenance.
5. Direct recovery operations.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. ALO/I Applicable Lubrication Order/Instruction
 4. ASL-3 Applicable Stock Listing
 5. MCRP 4-11.3F Convoy Operations Handbook
 6. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
 7. MCWP 4-11.4 Maintenance Operations
 8. TM 11240-OD Principal Technical Characteristics of U.S. Marine Corps Motor Transportation Equipment
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3529-MAIN-2202: Direct the preparation of maintenance support equipment for embarkation

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3529

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Provided with applicable reference materials and a requirement to prepare motor transport equipment.

STANDARD: To accomplish embarkation without damage to equipment or injury to personnel.

PERFORMANCE STEPS:

1. Identify the services that must be performed prior to embarkation.
2. Direct services required for embarkation.

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. MCRP 4-11.3G 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-2203: Manage a load testing program

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

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. Verify completion of load test records.
3. Direct the disposition of load test records.
4. Certify the Annual Condition Inspection (ACI) and/or load test of tactical ground load lifting equipment.

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
-

3529-OPER-2301: Direct camouflaging of motor transport equipment

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3529

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given references, supplies, equipment, vehicles, personnel, and a requirement.

STANDARD: To obscure observation.

PERFORMANCE STEPS:

1. Perform counter detection techniques.
2. Determine factors of detection.
3. Determine camouflage principles.
4. Apply methods of concealment.
5. Determine vehicles revealing factors.
6. Determine vehicle camouflage measures.

REFERENCES:

1. ATP 4-11 Army Motor Transport Operations
 2. MCRP 3-17.6A Camouflage, Concealment, and Decoys
 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
-

3529-OPER-2302: Establish a tactical motor transport maintenance facility

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3529

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

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.

REFERENCES:

1. ATP 4-11 Army Motor Transport Operations
 2. MCO P4790.2_ MIMMS Field Procedures Manual
 3. MCRP 3-0B How to Conduct Training
 4. MCWP 4-11.4 Maintenance Operations
-

MOTOR T T&R MANUAL

CHAPTER 9

MOS 3531 INDIVIDUAL EVENTS

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MOTOR T T&R MANUAL

CHAPTER 9

MOS 3531 INDIVIDUAL EVENTS

9000. 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.

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:

<u>Code</u>	<u>Description</u>
3531	Motor Vehicle Operator

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

<u>Code</u>	<u>Description</u>
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:

<u>Code</u>	<u>Description</u>
1000	Core Skills
2000	Core Plus Skills
2X00	Advanced Core Plus Skills (The second digit can be used for categorizing events as the Task Analyst/Advocate deem appropriate)

9002. INDEX OF INDIVIDUAL EVENTS

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9003. 1000-LEVEL EVENTS

3531-OPER-1001: Perform Preventive Maintenance Checks and Services (PMCS)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3531

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a requirement, references, motor transport equipment, forms, required tools and equipment.

STANDARD: To maintain operational readiness and identifying corrective maintenance actions.

PERFORMANCE STEPS:

1. Determine applicable TM.
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. MCWP 3-17.1 Combined Arms Gap-Crossing Operations
6. MCWP 4-11.4 Maintenance Operations
7. TC 21-305-20 Manual for the Wheeled Vehicle Operator

8. TM 4700-15/1_ Ground Equipment Record Procedures
 9. TM 8H667-13&P/1 Drivers Vision Enhancer
 10. TM 9-2610-200-14 PNEUMATIC TIRES & INNER TUBES
 11. TM 9-6140-200-14 Lead Acid Batteries 4HN, 2H, 6TN
-

3531-OPER-1002: Operate motor transport equipment (L/S)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3531

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given day or night, various environmental conditions, references, operational tactical 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. Perform before operations checks.
2. Prepare operational forms and records.
3. Operate vehicle.
4. Transport cargo/personnel.
5. Perform during operations checks.
6. Tow load as required.
7. Perform emergency procedures on motor transport equipment as required.
8. Employ Load Handling System (LHS) as required.
9. Observe ground guide as required.
10. Perform after operations checks.
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. FM 21-305 Manual for Wheeled Vehicle Driver
5. FM 21-60 Visual Signals
6. FM 31-70 Basic Cold Weather Manual
7. FM 3-25-26 Map Reading and Land Navigation
8. FMFM 7-28 Jungle Operations
9. FMFM 7-29 Mountain Operations
10. MCO 5100.19_ Marine Corps Traffic Safety Program (Drivesafe)
11. MCRP 4-11.3F Convoy Operations Handbook
12. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
13. MCWP 3-17.1 Combined Arms Gap-Crossing Operations
14. MCWP 3-35.6 Desert Operations
15. MCWP 4-11.3 Transportation Operations

16. MTMCTEA PAM 55-20 Tiedown Handbook for Truck Movement
17. TB 9-639 Passenger Carrying Capacity of Tactical and Admin Vehicles
18. TM 11240-15/3_ Tactical Motor Transport Licensing Official's Manual
19. TM 11240-OD Principal Technical Characteristics of U.S. Marine Corps Motor Transportation Equipment
20. TM 4700-15/1_ Ground Equipment Record Procedures
21. USMC E2W2 ICD USMC Expeditionary Energy, Water, and Waste (E2W2) Initial Capabilities Document (ICD) (Sep 2011)
22. 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.

9004. 2000-LEVEL EVENTS

3531-ADMN-2101: Perform Automated Information System (AIS) related functions

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3531

GRADES: CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given references, a requirement, and applicable Automated Information System.

STANDARD: To maintain equipment readiness to support mission requirements.

PERFORMANCE STEPS:

1. Perform MAIS input transactions.
2. Reconcile AIS reports.
3. 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. GCSS-MC Procedural Notices GCSS-MC Handbook
 5. MCWP 4-11.3 Transportation Operations
 6. MSTP PAM 4-0.1 Movement Control
 7. TCPT Users Guide Transportation Capacity Planning Tool (TCPT) Users Guide
-

3531-ADMN-2102: Manage the use of operational records

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3531

GRADES: CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with references, 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 Standard Licensing Procedures to Operate Military Motor Vehicle
 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-2201: Transport hazardous/ explosive cargo

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 24 months

MOS PERFORMING: 3531

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with a requirement, references, operational motor transport equipment, forms, and required tools.

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

PERFORMANCE STEPS:

1. Prepare equipment for inspection.
2. Prepare operational forms and records.
3. Transport load.
4. 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. 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. FMFM 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 4450.12_ DON'T DELETE-OTHER SCHOOLS USE THIS-BESIDES it is still valid at PEL Storage and Handling of Hazardous Materials
13. MCO 8023.3_ Personnel Qualification and Certification Program for Class V Ammunition and Explosives
14. MCO P8020.11 W/ERRATUM DEPARTMENT OF THE NAVY EXPLOSIVES SAFETY POLICY
15. MCRP 4-11.3F Convoy Operations Handbook
16. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
17. MCRP 4-11.6 Petroleum and Water Logistics Operations
18. MCWP 3-17.1 Combined Arms Gap-Crossing Operations
19. MCWP 3-35.6 Desert Operations
20. MIL-HDBK-844A Aircraft Refueling Handbook for Navy and Marine Corps aircraft
21. MTMCTEA PAM 55-20 Tiedown Handbook for Truck Movement
22. NAVAIR 00-80T-109 Aircraft Refueling NATOPS Manual
23. NAVSEA OP 5 Vol 1 Ammunition and Explosives/Ashore Safety Regulations of Handling, Storage, Production, Renovation and Shipping
24. NAVSEA OP 5 Vol 3 Ammunition and Explosives Safety Ashore for Contingencies, Combat Operations, Military Operations Other Than War, and Associated Training
25. NAVSEA SW020-AG-SAF-010 Navy Transportation Safety Manual for Ammunition, Explosives and Related Hazardous Materials
26. NAVSEA SW023-AG-WHM-010 On-Station Movement of Ammunition and Explosives by Truck and Railcar
27. TC 21-305-20 Manual for the Wheeled Vehicle Operator
28. TM 11240-15/3_ Tactical Motor Transport Licensing Official's Manual
29. TM 4700-15/1_ Ground Equipment Record Procedures
30. TM 5-848-2 Handling of Aircraft and Automotive Fuels
31. USMC E2W2 ICD USMC Expeditionary Energy, Water, and Waste (E2W2) Initial Capabilities Document (ICD) (Sep 2011)
32. USMC EES&IP USMC Expeditionary Energy Strategy and Implementation Plan (Feb 2011)

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This formal training can be obtained at each Base Installation/Station. Individuals must meet age requirements per local and federal regulations.

3531-OPER-2202: Transport bulk liquids

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3531

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: 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. 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 (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 7-28 Jungle Operations
8. FMFM 7-29 Mountain Operations
9. MCO P5090.2_ Environmental Compliance and Protection Manual
10. MCRP 4-11.3F Convoy Operations Handbook
11. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
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. MCWP 4-11.3 Transportation Operations
19. MIL-HDBK-844A Aircraft Refueling Handbook for Navy and Marine Corps aircraft
20. NAVMC DIR 5100.8_ Marine Corps Occupational Safety and Health (OSH) Program Manual
21. NAVSEA SW020-AC-SAF0 Navy Transportation and Storage Data for Ammunition, Explosives, and Related Hazardous Materials
22. NAVSEA SW020-AF-HBK-010 Motor Vehicle Driver and Shipping Inspector's Handbook for Ammunition, Explosives and Related Hazardous Materials

23. TC 21-305-20 Manual for the Wheeled Vehicle Operator
24. TM 11240-15/3_ Tactical Motor Transport Licensing Official's Manual
25. TM 4700-15/1_ Ground Equipment Record Procedures
26. TM 5-848-2 Handling of Aircraft and Automotive Fuels
27. USMC E2W2 ICD USMC Expeditionary Energy, Water, and Waste (E2W2) Initial Capabilities Document (ICD) (Sep 2011)
28. 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 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

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. 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. FM 21-60 Visual Signals
5. MCRP 3-35.1D Cold Region Operations
6. MCRP 4-11.3F Convoy Operations Handbook

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 21-305-20 Manual for the Wheeled Vehicle Operator
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-2204: Operate motor transport dump vehicle (L/S)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3531

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given day or night, various environmental conditions, references, an operational motor transport dump vehicle, forms, required tools and equipment.

STANDARD: Safely meeting 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 vehicle.
4. Transport cargo/personnel.
5. Perform during operations checks.
6. Tow load (as required).
7. Perform emergency procedures on motor transport dump (as required).
8. Perform dump operations.
9. Observe ground guide (as required).
10. Perform after operations checks.
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. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
7. MCWP 3-17.1 Combined Arms Gap-Crossing Operations
8. MCWP 3-35.1 Mountain Warfare Operations
9. MCWP 3-35.5 Jungle Operations
10. MCWP 3-35.6 Desert Operations
11. MCWP 4-11.3 Transportation Operations
12. TC 21-305-20 Manual for the Wheeled Vehicle Operator
13. TM 11240-15/3_ Tactical Motor Transport Licensing Official's Manual
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)

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: Event performed live preferred/simulator optional. When available, simulation may be used to augment live training.

3531-OPER-2205: Conduct convoy operations (L/S)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3531

GRADES: CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: 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. Organize the convoy in march order.
4. Identify classifications for routes.
5. Identify defense requirements of a tactical convoy.
6. Identify convoy communication requirements.
7. Conduct a mission brief.
8. Inspect cargo loads.
9. Perform Pre-Combat Checks/Pre-Combat Inspections (PCC/PCI).
10. Direct the movement of a convoy using navigational devices.
11. Direct the movement of a convoy using communication equipment.
12. Direct limited vision driving operations (as required).
13. Conduct a post mission debrief.
14. Submit a post mission After Action Report (AAR).

RELATED EVENTS:

3531-OPER-2210	3531-OPER-2210	3531-OPER-2212
3531-OPER-2212	3531-OPER-2213	3531-OPER-2213

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual
3. ATP 4-11 Army Motor Transport Operations
4. MCRP 3-40-3A Multi-Service Communications Procedures and Tactical Radio Procedures in Joint environment
5. MCRP 4-11.3F Convoy Operations Handbook
6. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
7. MCRP 4-11.4A Recovery and Battle Damage Assessment and Repair
8. MCWP 3-17.1 Combined Arms Gap-Crossing Operations
9. MCWP 4-1 Logistics Operations
10. MCWP 4-11 Tactical-Level Logistics
11. MCWP 5-1 Marine Corps Planning Process (MCP)
12. MSTP PAM 4-0.1 Movement Control
13. NAVSEA SW020-AG-SAF-010 Navy Transportation Safety Handbook for Ammunition, Explosives and Related Hazardous Materials
14. NAVSEA OP 5 Vol 1 Ammunition and Explosives/Ashore Safety Regulations of Handling, Storage, Production, Renovation and Shipping
15. NAVSEA OP 5 Vol 3 Ammunition and Explosives Safety Ashore for Contingencies, Combat Operations, Military Operations Other Than War, and Associated Training
16. NAVSEA SW020-AF-ABK-010 Motor Vehicle Driver and Shipping Inspector's Manual for Ammunition, Explosives and Related Hazardous Materials
17. TC 21-305-20 Manual for the Wheeled Vehicle Operator
18. TM 11240-OD Principal Technical Characteristics of U.S. Marine Corps Motor Transportation Equipment
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)

MISCELLANEOUS:

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

3531-OPER-2206: Camouflage equipment

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3531

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given manufactured and natural materials and motor transport

equipment.

STANDARD: Ensuring concealment of personnel and equipment to prevent detection.

PERFORMANCE STEPS:

1. Perform counter detection measures.
2. Apply vehicle camouflage measures.
3. Camouflage equipment using natural materials.
4. Camouflage equipment using the manufactured materials.

REFERENCES:

1. ATP 4-11 Army Motor Transport Operations
 2. ATTP 3-34.39 Camouflage, Concealment, and Decoys
 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
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3531-OPER-2207: Prepare equipment for movement through available transportation nodes

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3531

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: MOJT

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

STANDARD: Safely shipping equipment from one location to another without damage.

PERFORMANCE STEPS:

1. Perform the services required on equipment prior to embarkation.
2. 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 P4030.19_ Preparing Hazardous Materials for Military Air Shipments
6. MCO P4030.21 Packing of Material
7. MCO P4030.31_ Packing of Material, Preservation
8. MCO P4030.36_ Marine Corps Packaging Manual
9. MCRP 4-11.3G Unit Embarkation Handbook
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. TM 11275-15/4 Tactical Engineer Equipment Licensing Manual

3531-OPER-2208: Dispatch equipment

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3531

BILLETS: Chief Dispatcher, Dispatcher

GRADES: CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given references, a requirement, personnel, equipment for vehicle movements, forms, records, and/or automated informational system.

STANDARD: To support mission requirements while maintain equipment accountability.

PERFORMANCE STEPS:

1. Process support requests.
2. Verify asset availability.
3. Validate operators credentials.
4. Issue operational forms and records.
5. Verify completion of operational forms and records.
6. Coordinate maintenance support (as required).
7. Maintain operational forms and records.

REFERENCES:

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-2209: Perform Improved Ribbon Bridge (IRB) Operation

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3531

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Provided with a requirement, references, an operational MKR18,

Improved Ribbon Bridge section, required tools and equipment.

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

PERFORMANCE STEPS:

1. Prepare vehicle for bridging operations.
2. Transport bridge section.
3. Launch bridge section.
4. Recover bridge section.
5. Unload bridge section.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual
3. FM 21-60 Visual Signals
4. MCWP 3-17.1 Combined Arms Gap-Crossing Operations
5. MCWP 4-11.3 Transportation Operations
6. SSDCTEA PAM 55-20 Tiedown Handbook for Truck Movement
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)

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: Applies only to 3531 Marines in units with the Improved Ribbon Bridge (IRB) on their TO&Es.

3531-OPER-2210: Conduct operator training

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3531

GRADES: CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a requirement, training facilities, references, personnel, motor transport equipment and operational forms and records.

STANDARD: To meet requirements to obtain an OF 346 IAW MCO 11240.118.

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).

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)

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: Event performed live preferred/simulator optional. When available, simulation may be used to augment live training.

3531-OPER-2211: Direct Preventive Maintenance Checks and Services (PMCS)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3531

GRADES: CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Provided with a requirement, motor transport equipment, personnel, materials and references.

STANDARD: To maintain unit readiness.

PERFORMANCE STEPS:

1. Assign personnel to equipment.
2. Provide required materials.
3. Research operator/crew maintenance information (as required).
4. Supervise conduct of PMCS.
5. Conduct the disposition of forms and records.
6. Perform AIS transactions (as required).

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. FED LOG Federal Logistics Data <https://www.dlis.dla.mil/fedlog/default.asp>
6. FM 55-30 Army Motor Transport Units and Operations
7. GCSS-MC Procedural Notices GCSS-MC Handbook
8. MCO P4790.2_ MIMMS Field Procedures Manual
9. SL 1-2/3 Index of Authorized Publications in Stock
10. TCPT Users Guide Transportation Capacity Planning Tool (TCPT) Users Guide

11. TM 4700-15/1_ Ground Equipment Record Procedures

3531-OPER-2212: Conduct vehicle self-recovery operations with motor transport equipment

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3531

GRADES: CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided a vehicle to be recovered, applicable publications, and appropriate equipment.

STANDARD: Returning the equipment to operational capability.

PERFORMANCE STEPS:

1. Perform the eight step recovery method.
2. Enforce safety requirements.

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 4-11.3F Convoy Operations Handbook
 5. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
 6. MCRP 4-11.4A Recovery and Battle Damage Assessment and Repair
-

3531-OPER-2213: Supervise fording operations

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 24 months

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.

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 4-11.3F Convoy Operations Handbook
5. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
6. MCWP 3-17.1 Combined Arms Gap-Crossing Operations

3531-OPER-2214: Perform fording operations

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 24 months

MOS PERFORMING: 3531

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Provided with applicable references, an operational motor transport vehicle, a water obstacle, required tools and equipment.

STANDARD: Safely meeting operational requirements with no injury to personnel or damage to equipment per the references.

PERFORMANCE STEPS:

1. Perform pre-operation checks and services.
2. Ford water obstacle.
3. Perform after-operation checks and services.

REFERENCES:

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 4-11.3F Convoy Operations Handbook
6. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
7. MCWP 3-17.1 Combined Arms Gap-Crossing Operations

3531-OPER-2215: Operate motor transport tractor with semitrailer (L/S)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3531

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given day or night, various environmental conditions, references, an operational tactical motor transport tractor, semitrailer, forms, required tools and equipment.

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

PERFORMANCE STEPS:

1. Adjust fifth wheel (as required).
2. Couple trailer to tractor.
3. Perform Before Operations Checks.
4. Prepare operational forms and records.
5. Operate vehicle.
6. Transport cargo.
7. Perform During Operations Checks.
8. Perform emergency procedures (as required).
9. Observe ground guide (as required).
10. Perform After Operations Checks.
11. Uncouple trailer from tractor.
12. 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. 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: Event performed live preferred/simulator optional. When available, simulation may be used to augment live training.

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CHAPTER 10

MOS 3534 INDIVIDUAL EVENTS

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MOTOR T T&R MANUAL

CHAPTER 10

MOS 3534 INDIVIDUAL EVENTS

10000. 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.

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:

<u>Code</u>	<u>Description</u>
3534	Semitrailer Refueler Operator

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

<u>Code</u>	<u>Description</u>
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:

<u>Code</u>	<u>Description</u>
2000	Core Plus Skills
2X00	Advanced Core Plus Skills (The second digit can be used for categorizing events as the Task Analyst/Advocate deem appropriate)

10002. INDEX OF INDIVIDUAL EVENTS

EVENT CODE	EVENT	PAGE
2000-LEVEL		
3534-OPER-2001	Conduct fueling operations	10-2

10003. 2000-LEVEL EVENTS

3534-OPER-2001: Conduct fueling operations

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3534

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given day or night, various environmental conditions, a requirement, applicable references, operational tactical motor transport tractor with semitrailer, forms, equipment.

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

PERFORMANCE STEPS:

1. Adjust fifth wheel as required.
2. Couple trailer
3. Perform before operations checks
4. Prepare operational forms and records.
5. Operate vehicle.
6. Transport fuel.
7. Perform during operations checks
8. Recirculate fuel as required.
9. Conduct refueling operations.
10. Conduct defueling operations.
11. Perform emergency procedures as required.
12. Observe ground guide as required.
13. Perform after operations checks.
14. Uncouple trailer.
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. CFR 40 Code of Federal Regulations - Hazardous Substances & Wastes
5. DOD 4140.25 Management of Bulk Petroleum Products, Storage and Distribution Facilities
6. DOD 4500.9-R Defense Transportation Regulation (DTR)
7. FM 10-69 Petroleum Supply Point Equipment and Operations
8. FM 21-305 Manual for Wheeled Vehicle Driver
9. FMFM 7-28 Jungle Operations
10. FMFM 7-29 Mountain Operations
11. MCRP 4-11.3F Convoy Operations Handbook
12. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
13. MCRP 4-11.6 Petroleum and Water Logistics Operations
14. MCRP 4-11B Environmental Considerations
15. MCWP 3-17.1 Combined Arms Gap-Crossing 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. NAVAIR 00-80T-109 Aircraft Refueling NATOPS Manual
20. NAVESSEA SW020-AG-SAF-010 Navy Transportation Safety Handbook for

- Ammunition, Explosives and Related Hazardous Materials
21. NAVMC DIR 5100.8_ Marine Corps Occupational Safety and Health (OSH) Program Manual
 22. NAVSEA OP 5 Vol 1 Ammunition and Explosives/Ashore Safety Regulations of Handling, Storage, Production, Renovation and Shipping
 23. NAVSEA SWO20-AF-ABK-010 Motor Vehicle Driver and Shipping Inspector's Manual for Ammunition, Explosives and Related Hazardous Materials
 24. SW020-AC-SAF-010 Transportation and Storage Data for Ammunition, Explosives and Related Hazardous Materials
 25. TM 08089B-OI/1 SEMITRAILER TANK 5000 GAL Dispensing, under/overwing Aircraft MK970
 26. TM 08674A-10/1 Ops and Maintenance Instructions Aircraft CFR Truck
 27. TM 09003A-15/1 SixCon Fuel Pump Module
 28. TM 10629-10_ System Operation Manual for Truck, Cargo, 7-Ton (MTVR)
 29. TM 11165A-10_ Truck, Tractor< 7-Ton MK31, AMK31
 30. TM 4700-15/1_ Ground Equipment Record Procedures
 31. TM 5-2330-356-14&P Semi-Trailer Tank, 5000
 32. 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.

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CHAPTER 11

MOS 3536 INDIVIDUAL EVENTS

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2000-LEVEL EVENTS	11003	11-2

MOTOR T T&R MANUAL

CHAPTER 11

MOS 3536 INDIVIDUAL EVENTS

11000. 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.

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:

<u>Code</u>	<u>Description</u>
3536	Vehicle Recovery Operator.

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

<u>Code</u>	<u>Description</u>
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:

<u>Code</u>	<u>Description</u>
2000	Core Plus Skills
2X00	Advanced Core Plus Skills (The second digit can be used for categorizing events as the Task Analyst/Advocate deem appropriate)

11002. INDEX OF INDIVIDUAL EVENTS

EVENT CODE	EVENT	PAGE
2000-LEVEL		
3536-OPER-2001	Conduct recovery operations	11-2

11003. 2000-LEVEL EVENTS

3536-OPER-2001: Conduct recovery operations

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3536

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given day or night, various environmental conditions, a requirement, references, an operational tactical motor transport wrecker, required tools and equipment.

STANDARD: To 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. Lift tow vehicle (as required).
6. Flat tow vehicle (as required).
7. Perform 8 step recovery process.
8. Perform winch operations (as required).
9. Operate auxiliary tools (as required).
10. Cut metal (as required).
11. Operate Material Handling Crane (as required).
12. Perform emergency procedures (as required).
13. Observe ground guide (as required).
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. ATI Applicable Technical Instruction
 5. MCO 10330.2D Storage and Handling of Liquefied and Gaseous Compressed Gasses and Their Full and Empty Cylinders (Jun 00)
 6. MCO 4733.1_ Marine Corps Test, Measurement, and Diagnostic Equipment (TMDE) Calibration and Maintenance Program (CAMP)
 7. MCRP 4-11.4A Recovery and Battle Damage Assessment and Repair
 8. TC 21-305-20 Manual for the Wheeled Vehicle Operator
 9. TC 9-237 Welding Theory
 10. TI 4733-OD/1_ Calibration Requirements Marine Corps Test, Measurement and Diagnostic Equipment Calibration and Maintenance Program
 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)
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MOTOR T T&R MANUAL

CHAPTER 12

MOS 3537 INDIVIDUAL EVENTS

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MOTOR T T&R MANUAL

CHAPTER 12

MOS 3537 INDIVIDUAL EVENTS

12000. 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.

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:

<u>Code</u>	<u>Description</u>
3537	Motor Transport Operations Chief

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

<u>Code</u>	<u>Description</u>
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:

<u>Code</u>	<u>Description</u>
2000	Core Plus Skills
2X00	Advanced Core Plus Skills (The second digit can be used for categorizing events as the Task Analyst/Advocate deem appropriate)

12002. INDEX OF INDIVIDUAL EVENTS

EVENT CODE	EVENT	PAGE
2000-LEVEL		
3537-ADMN-2101	Manage tool control	12-3
3537-ADMN-2102	Manage the handling of hazardous material/waste	12-3
3537-ADMN-2103	Manage a publication library	12-4
3537-ADMN-2104	Supervise Automated Information System (AIS) functions	12-5
3537-ADMN-2105	Supervise operator training	12-6

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: 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. NAVSEA 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 SW020-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-2103: Manage a publication library

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

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. Order deficient publications.
3. Direct the maintenance of publications.
4. Determine validation requirements.
5. Enforce reconciliation requirements.
6. Administer manager's responsibilities.
7. Administer changes.

REFERENCES:

1. LOCAL SOP Local SOPs
2. MCO 5215.1_ Marine Corps Directives Management Program
3. MCO 5600.31_ Marine Corps Printing and Publishing Regulations
4. MCO P5215.17_ The Marine Corps Technical Publications System
5. MCRP 3-0B 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) User's Manual

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This task has been selected as a DL candidate and will remain an MOJT event until a DL product is produced (MCI 0416B Marine Corps Publications and Directive System).

3537-ADMN-2104: Supervise Automated Information System (AIS) functions

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: 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. CLC2S User Guide CLC2S User Guide
3. CM# 88216 C2PC User's Manual
4. GCSS-MC Procedural Notices GCSS-MC Handbook
5. MCBUL 3000 Marine Corps Automated Readiness Evaluation System (MARES) Equipment
6. MCO 3000.11_ Ground Equipment Condition and Supply Materiel Readiness Reporting (MRR) Policy
7. MCO 4400.16_ Uniform Material Movement and Issue Priority System (UMMIPS)
8. MCO P4400.150_ Consumer Level Supply Policy Manual
9. MCO P4790.1_ Marine Corps Integrated Maintenance Management System (MIMMS) Introduction Manual
10. MCRP 3-0B How to Conduct Training
11. MCWP 4-11.3 Transportation Operations
12. MSTP PAM 4-0.1 Movement Control
13. TM 4700-15/1_ Ground Equipment Record Procedures
14. UM 4790-5 MIMMS-AIS Field Maintenance Procedures
15. User Manual TCPT v1.0.9 GTR/GTO user Guide

3537-ADMN-2105: Supervise operator training

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a requirement, references, and training facilities.

STANDARD: To safely meet requirements to obtain an OF346 IAW MCO 11240.118.

PERFORMANCE STEPS:

1. Supervise Phases 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. 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
-

3537-ADMN-2106: Manage safety related programs

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

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 regulations regarding a battery shop.
5. Enforce requirements for marking hazardous equipment.
6. Enforce proper use of equipment.
7. Enforce requirement for hearing conservation.
8. Identify regulations for using safety equipment.
9. Determine marking requirements of hazardous workspaces.
10. Enforce regulations for welding operations.
11. Enforce regulations for the use of respirators.
12. Enforce requirements for tire safety.

REFERENCES:

1. CFR 29 Code of Federal Regulations - Labor
 2. LOCAL SOP Local SOPs
 3. MCO 3500.27_ Operational Risk Management (ORM)
 4. 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

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 P4400.150_ Consumer Level Supply Policy Manual
3. UM 4400-123 FMF SASSY Management Unit Procedures
4. UM 4400-124 SASSY Using Unit Procedures

3537-MAIN-2102: Manage Preventive Maintenance Checks and Services (PMCS)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: 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. MCO P4790.2_ MIMMS Field Procedures Manual
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. TM 4700-15/1_ Ground Equipment Record Procedures

3537-OPER-2301: Manage a Motor transport licensing program

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: 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.

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. 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: Supervise convoy operations (L/S)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given day or night, various environmental conditions, a requirement, references, personnel, and equipment.

STANDARD: To ensure unit movement is completed to support the mission without damage to equipment or injury to 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 mission brief.
8. Conduct PCC/PCIs.

9. Direct the movement of the convoy using navigational devices.
10. Direct limited vision driving operations (as required).
11. Direct the Conduct of a convoy.
12. Direct the defense of a convoy.
13. Conduct a mission debrief.
14. Prepare a post mission After Action Report (AAR)

REFERENCES:

1. ATP 4-11 Army Motor Transport Operations
2. MCRP 3-40-3A Multi-Service Communications Procedures and Tactical Radio Procedures in Joint environment
3. MCRP 4-11.3F Convoy Operations Handbook
4. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
5. MCRP 4-11.4A Recovery and Battle Damage Assessment and Repair
6. MCWP 3-17.1 Combined Arms Gap-Crossing Operations
7. MCWP 4-11 Tactical-Level Logistics
8. MSTP PAM 4-0.1 Movement Control
9. NAVSEA OP 5 Vol 1 Ammunition and Explosives/Ashore Safety Regulations of Handling, Storage, Production, Renovation and Shipping
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 SW020-AC-SAF-010 Transportation and Storage Data of Ammunition, Explosives, and Related Hazardous Materials
12. NAVSEA SW020-AF-HBK-010 Motor Vehicle Driver and Shipping Inspector's Handbook for Ammunition, Explosives and Related Hazardous Materials
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)

MISCELLANEOUS:

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

3537-OPER-2303: Manage transportation support

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a requirement, operation order, references, commander's intent, personnel, and equipment.

STANDARD: Ensuring transportation capabilities are provided to support the mission in accordance with the commanders 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 Debarcation
3. JP 3-02.2 Amphibious Embarkation
4. MCO P4030.19_ Preparing Hazardous Materials for Military Air Shipments
5. MCRP 4-11.3F Convoy Operations Handbook
6. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
7. MCWP 3-31.5 Ship-to-Shore Movement
8. MCWP 3-32 Maritime Prepositioning Force Operations
9. MCWP 4-11.3 Transportation Operations
10. MCWP 5-1 Marine Corps Planning Process (MCP)P)
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-2304: Manage movement control

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given references, a requirement, personnel and equipment for vehicle movements, automated informational system.

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

REFERENCES:

1. MCRP 4-11.3F Convoy Operations Handbook
 2. MCWP 3-17.1 Combined Arms Gap-Crossing Operations
 3. MCWP 4-11.3 Transportation Operations
 4. MSTP PAM 4-0.1 Movement Control
 5. TM 11240-OD Principal Technical Characteristics of U.S. Marine Corps Motor Transportation Equipment
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3537-OPER-2305: Direct vehicle recovery operations

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: MOJT

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

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

PERFORMANCE STEPS:

1. Analyze the requirement(s).
2. Determine required resources.
3. Perform operations checks.
4. Proceed to location(s).
5. Report results (as required).
6. Assess the situation.
7. Conduct retrievals.
8. Evacuate equipment assets (as required).
9. 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-SL Applicable Motor Transport Equipment Stock Listing (SL)
6. FM 5-125 Rigging Techniques, Procedures and Applications
7. MCRP 4-11.3F Convoy Operations Handbook
8. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
9. MCRP 4-11.4A Recovery and Battle Damage Assessment and Repair
10. MCWP 4-11.4 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: Supervise fording operations

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given references, personnel, equipment and a water obstacle.

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 4-11.3F Convoy Operations Handbook
4. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
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

MOS PERFORMING: 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given references, a requirement, 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.

REFERENCES:

1. ATP 4-11 Army Motor Transport Operations
 2. MCO P4790.2_ MIMMS Field Procedures Manual
 3. MCWP 4-11.4 Maintenance Operations
-

3537-OPER-2308: Direct camouflaging of motor transport equipment

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a requirement, supplies, equipment, and personnel.

STANDARD: To obscure observation.

PERFORMANCE STEPS:

1. Direct the use of counter detection techniques.
2. Determine factors of detection.
3. Determine camouflage principles.
4. Apply methods of concealment.
5. Determine vehicles revealing factors.
6. Determine vehicle camouflage measures.

REFERENCES:

1. ATP 4-11 Army Motor Transport Operations
 2. ATTP 3-34.39 Camouflage, Concealment, and Decoys
 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
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APPENDIX A

ACRONYMS AND ABBREVIATIONS

AA	administrative action
ACC	administrative clerk course
ADC	. . . . .	area distribution center
ADCON	. . . . .	administrative control
ADJ	. . . . .	Adjutant
ADP	. . . . .	automatic data processing
ADOS	. . . . .	Active Duty Operational Support
ADSW	. . . . .	active duty special work
ADT	. . . . .	active duty training
AFADBD	. . . . .	armed forces active duty base date
AIC	. . . . .	accounting identification code
AIS	. . . . .	automated information systems
AMCITS	. . . . .	American Citizens
AO	. . . . .	area of operations
AO	. . . . .	Approving Official
AOR	. . . . .	area of responsibility
APAC	. . . . .	advance personnel administrative chief course
APACS	. . . . .	Aircraft and Personnel Area Clearance System
APDS	. . . . .	all purpose date stamp
APES	. . . . .	Automated Performance Evaluation System
APO	. . . . .	Army Post Office
APS	. . . . .	Awards Processing System
AR	. . . . .	Active Reserve
ARCR	. . . . .	Annual Retirement Credit Report
ASR	. . . . .	Authorized Strength Report
AT	. . . . .	Annual Training
BAS	. . . . .	Basic Allowance for Subsistence
BAH	. . . . .	Basic Allowance for Housing
BIC	. . . . .	Billet Information Code
BIR	. . . . .	basic individual record
BTR	. . . . .	basic training record
BMOS	. . . . .	Billet Military Occupational Specialty
BCNR	. . . . .	Bureau of Corrections for Naval Records
CA	. . . . .	Convening Authority
CACO	. . . . .	Casualty Assistance Call Officer
CAC	. . . . .	common access card
CDPA	. . . . .	Central Design and Programming Activity
CertCom	. . . . .	Certificate of Commendation
CHART	. . . . .	Civilian Hiring and Recruitment Tool
CJCS	. . . . .	Chairman of the Joint Chiefs of Staff
CJCSI	. . . . .	Chairman of the Joint Chiefs of Staff instruction
CJCSM	. . . . .	Chairman of the Joint Chiefs of Staff manual
CMC	. . . . .	Commandant of the Marine Corps
CMCC	. . . . .	Classified Material Control Center
CMF	. . . . .	central master file
CMR	. . . . .	Consolidated Memorandum Receipt

CMRRB Civilian Resource Management Review Board
CMS COMSEC materials system
CO commanding officer
COCOM Combatant Commander
COD collect on delivery
COLA Cost of Living Allowance
COMMARFOR Commander, Marine Corps Forces
COMMARFORLANT Commander, Marine Corps Forces, Atlantic
COMMARFORPAC Commander, Marine Corps Forces, Pacific
COMSEC communications security
CON conduct
CONGINT Congressional/Special Interest
CONUS Continental United States
COPE Custodian of Postal Effects
CRB Competency Review Board
CRCR Career Retirement Credit Report
CSP Career Sea Pay
CSR Consolidated Strength Report
CSR Command Staffing Report
CTZE Combat Tax Zone Exclusion
DFN Designated Foreign National
DISA Defense Information Systems Agency
DCIPS Defense Civilian Intelligence Personnel System
DCIPS Defense Casualty Information Processing System
DCP Directives Control Point
DCTB Date Current Tour Began
DEOCS Defense Equal Opportunity Climate Survey
DEERS Defense Enrollment Eligibility Reporting System
DES Disability Evaluation System
DIMHRS Defense Integrated Manpower Human Resource System
DISTLEARN distance learning
DFAS Defense Finance Accounting Service
DFR Diary Feedback Report
DLA dislocation allowance
DMM Domestic Mail Manual
DMS Defense Message System
DoD Department of Defense
DoDD Department of Defense directive
DoDI Department of Defense instruction
DoDFMR Department of Defense financial management regulations
DON Department of the Navy
DONCAF Department of the Navy Central Adjudication Facility
DOR Date of Rank
DR dental record
DRRS Defense Readiness Reporting System
DSR Deployment Status Report
DTAS Deployed Theatre Accountability System
DTMS Document Tracking Management System
DTOD Defense Table of Official Distances
DTP DoD Drug Testing Program
DTS Defense Travel System
EA Executive Agent
EAS End of Active Service
ECC End of Current Contract

EAD Extended Active Duty
EDA Estimated Date of Arrival
EDD Estimated Date of Departure
EDFR Electronic Diary Feedback Report
ELSIG electronic signature
EO Equal Opportunity
EOA Equal Opportunity Advisor
EPW Enemy Prisoner of War
ESGM Enlisted Staffing Goal Model
ETD Estimated Time of Delivery
EUCU End User Computer Equipment
FAP Fleet Assistance Program
FCG Foreign Clearance Guide
FMC Fleet Mail Center
FMF Fleet Marine Force
FMFM Fleet Marine Force manual
FHTNR Fleet Home Town News Release
FMCC future monitor command code
FMR financial management regulations
FPO Fleet Post Office
FSA Family Separation Allowance
FSGLI Family Service Member's Group Life Insurance
FY fiscal year
G-1 manpower or personnel staff officer
G-2 intelligence staff officer
G-3 operations staff officer
G-4 logistics staff officer
G-6 communications and information systems officer
GCM Good Conduct Medal
GEMS Global Enterprise Mail System
GPO Government Printing Office
GSA General Services Administration
GTCC Government Travel Charge Card
GTCCP Government Travel Charge Card Program
GTN Global Transportation Network
GTR Government Transportation Request
HDP Hardship Duty Pay
HFP Hostile Fire Pay
HQMC Headquarters, Marine Corps
HR health record
HRO Human Resources Office
HSAP Health Services Augmentation Program
IA individual augment
IAW in accordance with
IADT Incremental Active Duty Training
IDL International Date Line
IDT Inactive Duty Training
IHCA In Hands of Civilian Authorities
IHFA In Hands of Foreign Authorities
ID identification
IDL Internal Distribution List
IDP Imminent Danger Pay
IDT Inactive Duty Training
IFDTL Internet Forensics Drug Testing Laboratory

IIADT Incremental Initial Active Duty
IMA Individual Mobilization Augmentee
IMM International Mail Manual
IO Investigating Officer
IPAC Installation Personnel Administrative Center
IPP irregular parcels and pieces
IPP In Progress Payments
IRO Initial Review Officer
IRR Individual Ready Reserve
IRT Integrated Retail Terminal
JCS Joint Chiefs of Staff
JFTR Joint Federal Travel regulations
JMPA Joint Military Postal Activity (Atlantic or Pacific)
JP Joint Publication
JPERSTAT Joint Personnel Status
JPRA Joint Personnel Recovery Agency
JRC Joint Reception Center
JTF Joint Task Force
KVN Key Volunteer Network
IA Individual Augments
LCM Leave and Earnings Statement
LES letter class mail
LOA letter of appreciation
LOD Line of Duty
LOI Letter of Instruction
LSSS Legal Services Support Section
LWAS Leave While Awaiting Separation
MACOM major command
MAGTF Marine Air-Ground Task Force
MAMAS Military Automated Mail Accounting System
MAO mail address only
MARDIV Marine Division
MARFOR Marine Corps Forces
MCB Marine Corps Base
MCC Monitor Command Code
MCCS Marine Corps Community Services
MCCSSS Marine Corps Combat Service Support Schools
MCM Manual for Courts-Martial
MCO Marine Corps Order
MCMEDS Marine Corps Medical Evaluation Disability System
MCMPS Marine Corps Mobilization Processing System
MCPPE Marine Corps Planning Process
MCPDS Marine Corps Publication Distribution System
MCPPEL Marine Corps Publications Electronic Listing
MCWP Marine Corps Warfighting Publication
MCTFS Marine Corps Total Force System
MEF Marine Expeditionary Force
MEU Marine Expeditionary Unit
MEU(SOC) Marine Expeditionary Unit (special operations capable)
MIDAS Military and International Dispatch and Accountability System
MILSTAMP military standard transportation and movement procedure
MIS Manpower Information Systems
MISSA Manpower Information System Support Agency
MISSO Manpower Information System Support Office

MLG Marine Logistics Group
MMSB Manpower Management Support Branch
MO money order
MOB money order business
MOC Manpower Officer Course
MODIS Military Origin Destination Information System
MOID money order identification number
MOJT Managed On the Job Training
MOL Marine Online
MOM military ordinary mail
MOS Military Occupational Specialty
MPC military postal clerk
MPO Military Post Office
MPS Military Postal System
MPSA Military Postal Service Agency
MRI mail routing instruction
MRO Marine Reported On
MRO Medical Review Officer
MROWS Marine Reserve Order Writing System
MRTM manpower requirements tracking module
MSC Major Subordinate Command
MSE Major Subordinate Element
MSPF Maritime Special Purpose Force
MWR Morale, Welfare and Recreation
NAMALA Navy and Marine Corps Appellate Leave Activity
NATO North Atlantic Treaty Organization
NAVMC Navy and Marine Corps
NCIS Naval Criminal Investigative Service
NDEA Non-DTS Entry Agent
NEO Noncombatant Evacuation Operations
NIPRNET nonsecure internet protocol router network
NJP non-judicial punishment
NOK Next of Kin
NSPS National Security Personnel System
NOE Notice of Eligibility
NOK Next of Kin
OccFld occupational field
OCONUS Outside the Continental United States
ODSE Operational Data Storage Enterprise
ODTA Organizational Defense Travel Administrator
OHA Overseas Housing Allowance
OMM Official Mail Manager
OMPF Official Military Personnel File
OPCON operational control
OPFOR Operating Forces
OPLAN operations plan
OPNAV Office of the Chief of Naval Operations
OPORD operations order
OPT Operational Planning Team
OSP outside piece
OPREP Operations Report
OPSEC operations security
OQR Officer Qualification Record
PAC Personnel Administration Center

PAOPublic Affairs Officer
PAR personnel action request
PAS Personnel Administration School
PB USPS Postal bulletin
PC postal clerk
PCA Permanent Change of Assignment
PCR Personnel Casualty Report
PCS Permanent Change of Station
PDRL Permanent Disability Retired List
PDS permanent duty station
PEB Physical Evaluations Board
PEBD Pay Entry Base Date
PERSTEMPO personnel tempo
PFO Postal Finance Officer
PII Personally Identifiable Information
PLEAD Place Entered Active Duty
PLMS Publications Library Management System
POC Personnel Officer Course
POM Postal Operations Manual
POP Postal Operations Plan
PNA postal net alert
PNOK Primary Next of Kin
PDMRA Post Deployment Mobilization Respite Absence
PRO proficiency
PS Postal Service
PSC Postal Service Center
PSD Personnel Support Detachment
PSP Personnel Security Program
PTAD Permissive Temporary Additional Duty
PVI postage validation imprinter
RBE Remain Behind Element
RC Reserve Component
RCT Reserve Counterpart Training
RED Record of Emergency Data
RFF Request for Forces
RIDT Rescheduled Inactive Duty Training
RLO Reserve Liaison Officer
RPA request for personnel action
RUC Reporting Unit Code
RU reporting unit
S-1 manpower or personnel staff officer
S-2 intelligence staff officer
S-3 operations staff officer
S-4 logistics staff officer
S-6 communications and information systems staff officer
SACO Substance Abuse Control
SDA Special Duty Assignment
SE Supporting Establishment
SECNAVINST Secretary of the Navy Instruction
SG staffing goal
SGLI Service Member's Group Life Insurance
SIPRNET secret internet protocol router network
SITREPS Situation Reports
SJA Staff Judge Advocate

SLDCADA Standard Labor Data Collection and Distribution Application
SMCR Select Marine Corps Reserve
SNCO Staff Noncommissioned Officer
SNM Subject Named Marine
SOP standing operating procedure
SORTS Status of Resources and Training System
SPA Secure Personnel Accountability
SPMAGTF Special-Purpose Marine Air-Ground Task Force
SRB service record book
SR service record
SSBI single-scope background investigation
SSIC Standard Subject Identification Code
SSM Single Service Manager
TACON tactical control
TAD Temporary Additional Duty
TDRL Temporary Disability Retired List
TFSMS Total Force Structured Management System
TLA temporary lodging allowance
TMR Timeliness Management Report
TMS Training Management System
TNPQ Temporarily Not Physically Qualified
T/O Table of Organization
TO&E Table of Organization and Equipment
TOECR Table of Organization and Equipment Change Request
TPFDD Time Phased Force Deployment Database
TTC Type of Transaction Code
TTISMM Transit Time Information System Military Mail
UA unauthorized absence
UCMJ Uniform Code of Military Justice
UDMIPS Unit Diary Manpower Integrated Personnel System
UIC Unit Identification Code
ULN Unit Line Number
UMC unit mail clerk
UMR unit mail room
UPB Unit Punishment Book
USMCR United States Marine Corps Reserve
USPS US Postal Service
WMD weapons of mass destruction
WWR Wounded Warrior Regiment
ZIP Zone Improvement Code

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.

A

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 and the 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.

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.

M

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, UJTTL, 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.

O

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.

P

Prerequisite Event. Prerequisites are the academic training and/or T&R events that must be completed prior to attempting the event.

R

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.

T

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 D

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.aspx>

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. Virtual Battlespace 2 (VBS2) 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. Recognition of Combatants (ROC) 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. Operational and Tactical Language and Cultural Training System (OTCLTS) 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. Forward Observer PC Simulator (FOPCSIM) 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. Combined Arms Planning Tool (CAPT) 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. Combined Arms Network (CAN) 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.