DEPARTMENT OF THE NAVY
HEADQUARTERS UNITED STATES MARINE CORPS
3000 MARINE CORPS PENTAGON
WASHINGTON, DC 20350-3000

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NAVMC 3500.66B W/CH 1
From: Commandant of the Marine Corps
To: Distribution List

Subj: EXPLOSIVE ORDNANCE DISPOSAL TRAINING AND READINESS MANUAL

Ref: (a) MCO P3500.72A
(b) MCO 1553.3A
(c) MCO 3400.3F
(d) MCO 3500.27B W/Erratum
(e) MCRP 3-0A
(f) MCRP 3-0B
(g) MCO 1553.2B

Encl: (1) EOD 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 Explosive Ordnance Disposal occupational field.

2. Cancellation. NAVMC 3500.66A

3. Scope

a. The Core Capability Mission Essential Task List in this manual is used in Defense Readiness Reporting System (DRRS) for assessment and reporting of unit readiness. Units achieve training readiness for reporting in DRRS by gaining and sustaining proficiency in the training events in this manual at both collective (unit) and individual levels.

b. 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. Commanders will use reference (c) to incorporate Nuclear, Biological, and Chemical Defense training into training plans and reference (d) to integrate Operational Risk Management. References (e) and (f) provide amplifying information for effective planning and management of training within the unit.

c. Formal school and training detachment commanders will use references (a) and (g) 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, 1019 Elliot Road, Quantico, Virginia 22134.

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

6. Certification. Reviewed and approved this date.

T. M. MURRAY
By direction

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DEPARTMENT OF THE NAVY
HEADQUARTERS UNITED STATES MARINE CORPS
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14 Oct 2014

NAVMC 3500.66B Ch 1

From: Commandant of the Marine Corps
To: Distribution List

Subj: EXPLOSIVE ORDNANCE DISPOSAL TRAINING AND READINESS MANUAL

Encl: (1) New page inserts to NAVMC 3500.66B

1. Purpose. To transmit page updates to the basic manual.

2. Scope

a. In Chapter(s) 3 and 5 replace the word "hazards" with "components."

b. Replace Appendix D with enclosure (1).

3. Information. This change is out of the normal T&R review cycle and makes administrative changes to correct discrepancies identified by the Occupational Field Advocate and Operational Forces.

4. Filing Instructions. This change transmittal will be filed immediately following the signature page of the basic manual.

J. W. LUKEMAN

DISTRIBUTION: PCN 10031978701

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RECORD OF CHANGES

Log completed change action as indicated.

Change Number	Date of Change	Date Entered	Signature of Person Incorporating Change

EOD T&R MANUAL

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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. Subject matter experts (SMEs) from the operating forces developed core capability Mission Essential Task List(s) (METLs) for ground communities derived from the Marine Corps Task List (MCTL). This T&R Manual is built around these METLs and other related Marine Corps Tasks (MCT). All events contained in the Manual relate directly to these METLs and MCTs. This comprehensive T&R Program will help to ensure the Marine Corps continues to improve its combat readiness by training more efficiently and effectively. Ultimately, this will enhance the Marine Corps' ability to accomplish real-world missions.

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

3. The T&R Manual is designed for use by unit commanders to determine pre-deployment training requirements in preparation for training and for Formal Learning Centers (FLCs) and Training Detachments to create courses of instruction. This directive focuses on individual and collective tasks performed by operating forces (OPFOR) units and supervised by personnel in the performance of unit Mission Essential Tasks (METs).

1001. UNIT TRAINING

1. The training of Marines to perform as an integrated unit in combat lies at the heart of the T&R program. Unit and individual readiness are directly related. Individual training and the mastery of individual core skills serve as the building blocks for unit combat readiness. A Marine's ability to perform critical skills required in combat is essential. However, it is not necessary to have all individuals within a unit fully trained in order for that organization to accomplish its assigned tasks. Manpower shortfalls, temporary assignments, leave, or other factors outside the commander's control, often affect the ability to conduct individual training. During these periods, unit readiness is enhanced if emphasis is placed on the individual training of Marines on-hand. Subsequently, these Marines will be mission ready and capable of executing as part of a team when the full complement of personnel is available.

2. Commanders will ensure that all tactical training is focused on their combat mission. The T&R Manual is a tool to help develop the unit's training plan. In most cases, unit training should focus on achieving unit proficiency in the core METL. However, commanders will adjust their training focus to support METLs associated with a major Operational Plan (OPLAN)/Contingency Plan (CONPLAN) or named operation as designated by their higher commander and reported accordingly in the DRRS. Tactical training will support the METL in use by the commander and be tailored to meet T&R standards. Commanders at all levels are responsible for effective combat training. The conduct of training in a professional manner consistent with Marine Corps standards cannot be over emphasized.

3. Commanders will provide personnel the opportunity to attend formal and operational level courses of instruction as required by this Manual. Attendance at all formal courses must enhance the warfighting capabilities of the unit as determined by the unit commander.

1002. UNIT TRAINING MANAGEMENT

1. Unit Training Management (UTM) is the application of the Systems Approach to Training (SAT) and the Marine Corps Training Principles. 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 wartime mission.

2. UTM techniques, described in references (b) and (e), provide commanders with the requisite tools and techniques to analyze, design, develop, implement, and evaluate the training of their unit. The Marine Corps Training Principles, explained in reference (b), provide sound and proven direction and are flexible enough to accommodate the demands of local conditions. These principles are not inclusive, nor do they guarantee success. They are guides that commanders can use to manage unit-training programs. The Marine Corps training principles are:

- Train as you fight
- Make commanders responsible for training
- Use standards-based training
- Use performance-oriented training
- Use mission-oriented training
- Train the MAGTF to fight as a combined arms team
- Train to sustain proficiency
- Train to challenge

3. 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), (e) and (f).

1003. SUSTAINMENT AND EVALUATION OF TRAINING

1. 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).

2. Marines are expected to maintain proficiency in the training events for their MOS at the appropriate grade or 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. Performance of the training event, however, is not sufficient to ensure combat readiness. Leaders at all levels must evaluate the performance of their Marines and the unit as they complete training events, and only record successful accomplishment of training based upon the evaluation. The goal of evaluation is to ensure that correct methods are employed to achieve the desired standard, or the Marines understand how they need to improve in order to attain the standard. Leaders must determine whether credit for completing a training event is recorded if the standard was not achieved. While successful accomplishment is desired, debriefing of errors can result in successful learning that will allow ethical recording of training event completion. 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.

3. 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 events. References (a) and (f) provide further guidance on the conduct of informal and formal evaluations using the Marine Corps Ground T&R Program.

1004. ORGANIZATION. The EOD T&R Manual is comprised of 4 chapters and 4 appendices. Chapter 1 is an overview of the Ground T&R Program. Chapter 2 lists the EOD Core METs, which are used as part of the DRRS. Chapter 3 contains collective events. Chapter 4-6 begins the chapters that capture individual events specific to a particular MOS, as noted. Appendix A contains acronyms and Appendix B contains terms and definitions. Additional appendices are noted in the table of contents.

1005. T&R EVENT CODING. An event contained within a T&R Manual is an individual or collective training standard. This section explains each of the components of a T&R event. These items will be included in all of the events in each T&R Manual. Community-based T&R Manuals may have several additional components not found in unit-based T&R Manuals. The event condition, event title (behavior) and event standard should be read together as a grammatical sentence.

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

a. First up to 4 characters indicate MOS or Community (e.g., 2305, 2336 or EOD)

b. Second up to 4 characters indicate functional or duty area (e.g. C2, DEMO, INTL, etc.)

c. Third 4 characters indicate the unit size and supported unit, if applicable (1000 through 8000), and sequence. Figure 1-1 shows the relationship of unit size to event code. NOTE: The titles for the various echelons are for example only, and are not exclusive. For example: 4000-level events are appropriate for Section-level events as noted, but also for Squad-level events.

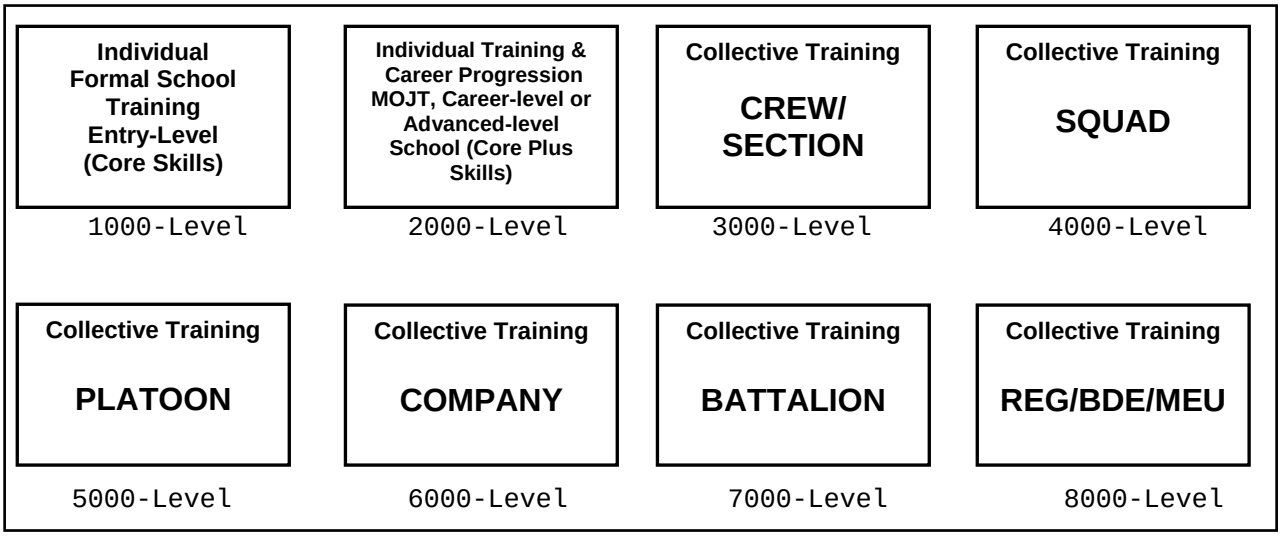

Figure 1-1: T&R Event Levels

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

(2) Sequencing. A numerical code is assigned to each individual (1000-2000-level) or collective (3000-8000-level) training event. The first number identifies the size of the unit performing the event, as depicted in figure 1-1. The second number is available for T&R Manuals with collective events that support those in other manuals to identify the echelon of unit being supported by a particular collective event. If a collective event is *supported* by other events or is *performed in general support without regard to echelon*, then a zero "0" will be utilized as the second number. For

example: EOD-OPS-3801 would refer to an event conducted by an EOD Squad supporting a Regiment or Group, EOD-OPS-3001 would represent an event the Squad does in support of any sized unit. The event would not be labeled EOD-OPS-8001 because that would imply that a regiment sized EOD unit was performing some task. This is not possible, since no intelligence unit organizes in a unit larger than a Battalion. EXCEPTION: Events that relate to staff planning, to the conduct of a command operations center or to staff level decision making processes will be numbered according to the level of the unit to which the staff belongs. For example: an infantry battalion staff conducting planning for an offensive attack would be labeled as INF-PLAN-7001 even though the entire battalion is not actively involved in the planning of the operation. T&R event sequence numbers that begin with "9" are reserved for Marine Air Ground Task Forces (MAGTF) Command Element (CE) events. Marine Expeditionary Units (MEU) CE events will be numbered 90XX – 93XX. Marine Expeditionary Brigade (MEB) CE events will be numbered 94XX – 96XX. Marine Expeditionary Force (MEF) CE events will be numbered 97XX – 99XX.

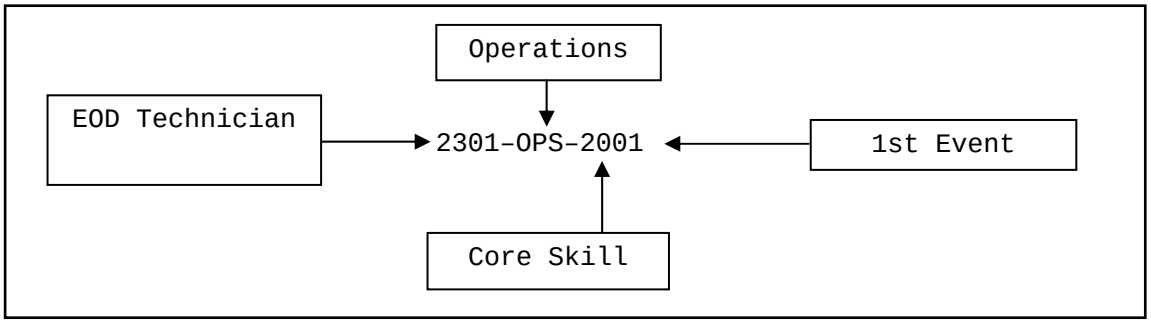

Figure 1-2: T&R Event Coding

1006. COMBAT READINESS PERCENTAGE (CRP)

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

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

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

4. Individual combat readiness is assessed as the percentage of required individual events in which a Marine is current. This translates as the percentage of training events for his/her MOS and grade that the Marine successfully completes within the directed sustainment interval. Individual skills are developed through a combination of 1000-level training (entry-level formal school courses), individual on-the-job training in 2000-level events, and follow-on formal school training. Skill proficiency is maintained by retraining in each event per the specified sustainment interval.

1007. CRP CALCULATION

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

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

For Example:

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

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

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

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

1008. T&R EVENT COMPOSITION

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

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

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

4. Supported MET(s). List all METs that are supported by the training event in the judgment of the occupation field drafting the T&R Manual, even if those events are not listed as Measure of Effectiveness (MOEs) in a MET.

5. Sustainment Interval. This is the period, expressed in number of months, between evaluation or retraining requirements. Competencies and capabilities acquired through the accomplishment of training events are to be refreshed at pre-determined intervals. It is essential that these intervals be adhered to in order to ensure Marines maintain proficiency.

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

7. Grade. The Grade field indicates the rank at which Marines are required to complete the event.

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

9. Condition. Condition refers to the constraints that may affect event performance in a real-world environment. It indicates what is provided (equipment, tools, materials, manuals, aids, etc.), environmental constraints or conditions under which the task is to be performed, and any specific cues or indicators to which the performer must respond. Commanders can modify the conditions of the event to best prepare their Marines to accomplish the assigned mission (e.g. in a desert environment; in a mountain environment; etc.). When resources or safety requirements limit the conditions, this

should be stated. The content of the condition should be included in the event on a "by exception" basis. If there exists an assumption regarding the conditions under which all or most of the events in the Manual will be performed, then only those additional or exceptional items required should be listed in the condition. The common conditions under which all the events in a chapter will be executed will be listed as a separate paragraph at the beginning of the chapter.

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

11. Event Components/Performance Steps. Description of the actions that the event is composed of, or a list of subordinate, included T&R event codes and event descriptions. The event components 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 consciously written so that they may be employed as performance evaluation check lists by the operating forces.

b. Event components may be events one individual in the unit performs, events that small groups in the unit perform, or events involving the entire unit. After the publication of this order, all component events will identify the behaviors required in plain English but also by citing the precise event number the component event refers to, unless that component event only occurs as part of the collective event where it is listed. This provision will allow for specific events to be chained together in order to provide greater granularity for units and Marines executing the events, and clarity for those charged with evaluating unit performance.

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

13. 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 mission essential tasks. When the accomplishment of any upper-level events, by their nature, result in the performance of certain subordinate and related

events, the events are “chained.” The completion of chained events will update sustainment interval credit (and CRP for E-Coded events) for the related subordinate level events.

14. Related ITEs. A list of all of the Individual Training Events (1000-2000-level events) that support the event.

15. Initial Training Setting. All individual events will designate the setting at which the skill is first taught, either at the FLC, in the OPFOR as MOJT, or via a distance learning product (DL).

16. References. The training references shall be utilized to determine task performance steps. They assist the trainee in satisfying the performance standards, or the trainer in evaluating the effectiveness of task completion. T&R Manuals are designed to be a training outline, not to replicate or replace doctrinal publications, reference publications or technical manuals. References are key to developing detailed lesson plans, determining grading criteria, and ensuring standardization of training.

17. Distance Learning Products. Distance learning products include: Individual Multimedia Instruction (IMI), Computer-Based Training (CBT), Marine Corps Institute (MCI), etc. This notation is included when, in the opinion of the TRMG in consultation with the MTSD representative, the event can be taught via one of these media vice attending a formal course of instruction or receiving MOJT.

18. 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 towards METS. Future efforts to attain and allocate resources will be based on the requirements outlined in the T&R Manual. The list includes, but is not limited to:

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

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

19. Suitability of Simulation/Simulators/DL products. If the TRMG determines that an event can be trained to standard by use of simulation, simulator or a DL product, this will be noted in the event title in a parenthetical remark. Figure 1-3 contains all acceptable codes. The specific simulation, simulator or DL product that is acceptable for training will be noted in the description block and in Supporting Requirements block.

Code	Requirement
L	Event able to be performed to standard only live environment
S	Event performed with simulation and/or simulator, particularly when it is unsafe to conduct the training in a live environment and when supporting live training used as a capstone event to a training continuum that includes academics, simulation-based, and live training
S/L	Event performed with simulation and/or simulator preferred/live optional. If the resources available do not allow for live training to occur, simulation-based training can assist in maintaining proficiency and provide a means to temporarily fill those identified training gaps.
DL	Event shall be performed by self-paced, technology-enabled training (i.e. MarineNet)
DL/L	Event may be performed by self-paced, technology enabled training or in a live environment

Figure 1-3: Acceptable Codes

20. Miscellaneous

a. This field provides space for any additional information that will assist in the planning and execution of the event. Units and FLCS 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

b. An example of a T&R event is provided in figure 1-4.

EOD-ADMN-3001: Respond to an Aircraft Incident

SUPPORTED MET(S):
MCT 4.6.3
MCT 6.8.1
MCT 6.8.3
MCT 6.8.4
MCT 6.8.5

EVALUATION-CODED: YES **SUSTAINMENT INTERVAL:** 12 months

DESCRIPTION: Provide response capabilities to aircraft crashes, mishaps, and tactical recovery of aircraft and personnel.

CONDITION: Given a requirement.

STANDARD: To mitigate explosive components and safely recover equipment/personnel.

EVENT COMPONENTS:
1. Conduct mission analysis.
2. Develop Plan.
3. Execute Plan.
4. Complete the required report.

REFERENCES:
1. AEODPS 60 Series Automated EOD Publication System
2. MCO 3571.2_ Explosive Ordnance Disposal (EOD) Program

Figure 1-4: Example of a T&R Event

1009. CHEMICAL BIOLOGICAL RADIOLOGICAL NUCLEAR (CBRN) TRAINING

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

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

1010. NIGHT TRAINING

1. While it is understood that all personnel and units of the operating force are capable of performing their assigned mission in “every climate and place,” current doctrine emphasizes the requirement to perform assigned

missions at night and during periods of limited visibility. Basic skills are significantly more difficult when visibility is limited.

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

1011. OPERATIONAL RISK MANAGEMENT (ORM)

1. ORM is a process that enables commanders to plan for and minimize risk while still accomplishing the mission. It is a decision making tool 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 minimizes risks to acceptable levels, commensurate with mission accomplishment.

2. Commanders, leaders, maintainers, planners, and schedulers will integrate risk assessment in the decision-making process and implement hazard controls to reduce risk to acceptable levels. Applying the ORM process will reduce mishaps, lower costs, and provide for more efficient use of resources. ORM assists the commander in conserving lives and resources and avoiding unnecessary risk, making an informed decision to implement a Course Of Action (COA), identifying feasible and effective control measures where specific measures do not exist, and providing reasonable alternatives for mission accomplishment. Most importantly, 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 references (b) and (d).

1012. MARINE CORPS GROUND T&R PROGRAM

1. The Marine Corps Ground T&R Program continues to evolve. The vision for Ground T&R Program is to publish a T&R Manual for every readiness-reporting unit so that core capability METs are clearly defined with supporting collective training standards, and to publish community-based T&R Manuals for all occupational fields whose personnel augment other units to increase their combat and/or logistic capabilities. The vision for this program includes plans to provide a Marine Corps training management information system that enables tracking of unit and individual training accomplishments by unit commanders and small unit leaders, automatically computing CRP for both units and individual Marines based upon MOS and rank (or billet). Linkage of T&R Events to the MCTL, through the core capability METs, has enabled objective assessment of training readiness in the DRRS.

2. DRRS measures and reports on the readiness of military forces and the supporting infrastructure to meet missions and goals assigned by the Secretary of Defense. With unit CRP based on the unit’s training toward its

METs, the CRP will provide a more accurate picture of a unit’s readiness. This will give fidelity to future funding requests and factor into the allocation of resources. Additionally, the Ground T&R Program will help to ensure training remains focused on mission accomplishment and that training readiness reporting is tied to units’ METLs.

EOD T&R MANUAL

CHAPTER 2

MISSION ESSENTIAL TASKS MATRIX

CHAPTER 2

MISSION ESSENTIAL TASKS MATRIX

2000. EOD CORE MISSION ESSENTIAL TASK LIST (METL). The EOD METL Table lists the Standardized Core Mission Essential Tasks (MET), derived from the Marine Corps Task List (MCTL), for the EOD Occupational Field. This METL is used for readiness reporting in the Defense Readiness Reporting System (DRRS).

EOD CORE MISSION ESSENTIAL TASKS

MARINE CORPS TASK LIST	(UNIT NAME #1) CORE METL
MCT 6.8.1	Conduct Explosive Ordnance Disposal (EOD) Operations on Unexploded Explosive Ordnance (UXO)
MCT 6.8.2	Conduct Explosive Ordnance Disposal (EOD) Operations on Improvised Explosive Devices (IED)
MCT 6.8.3	Conduct EOD Operations on WMD Including Chemical, Biological, and Radiological Threats
MCT 6.8.4	Conduct Explosive Ordnance Disposal (EOD) Operations on Conventional Ordnance
MCT 6.8.5	Conduct EOD Operations on Nuclear Explosive Ordnance Accidents/Incidents

2001. EOD MISSION ESSENTIAL TASKS MATRIX. The EOD Mission Essential Task Matrix contain the METs identified in the community's METL. The Supply Administration and Operations MET matrix includes the designated MET number and supporting collective events.

MET#/MISSION ESSENTIAL TASK

MET 1. CONDUCT EXPLOSIVE ORDNANCE DISPOSAL (EOD) OPERATIONS ON UNEXPLODED EXPLOSIVE ORDNANCE (UXO)	
EOD-ADMN-6001	Provide full spectrum EOD Support
EOD-C2-6001	Employ EOD forces
EOD-C2-6002	Conduct Company Explosive Ordnance Disposal Operations Center (EODOC) Operations
EOD-ADMN-4001	Provide Support to Other Government Agencies in Support of the Homeland Defense Mission
EOD-ADMN-3001	Respond to an Aircraft Incident
EOD-CBRN-3001	Conduct CBRN Response Operations
EOD-DEMO-3201	Conduct Destruction of Explosive Hazards
EOD-DEMO-3001	Conduct disposal of explosive hazards
EOD-INTL-3401	Conduct Post Blast Analysis
EOD-OPS-3001	Conduct Sensitive Site Exploitation
EOD-OPS-3002	Conduct unexploded explosive ordnance (UXO) response operations
EOD-OPS-3008	Conduct Tactical Combat Casualty Care

MET 2. CONDUCT EXPLOSIVE ORDNANCE DISPOSAL (EOD) OPERATIONS ON IMPROVISED EXPLOSIVE DEVICES (IED)	
EOD-ADMN-6001	Provide full spectrum EOD Support
EOD-C2-6001	Employ EOD forces
EOD-C2-6002	Conduct Company Explosive Ordnance Disposal Operations Center (EODOC) Operations
EOD-ADMN-4001	Provide Support to Other Government Agencies in Support of the Homeland Defense Mission
EOD-CBRN-4001	Conduct Emergency Decontamination Operations
EOD-CBRN-3001	Conduct CBRN Response Operations
EOD-DEMO-3001	Conduct disposal of explosive hazards
EOD-INTL-3401	Conduct Post Blast Analysis
EOD-OPS-3001	Conduct Sensitive Site Exploitation
EOD-OPS-3003	Conduct full spectrum EOD operations
EOD-OPS-3004	Conduct IED operations
EOD-OPS-3008	Conduct Tactical Combat Casualty Care
MET 3. CONDUCT EOD OPERATIONS ON WMD INCLUDING, CHEMICAL, BIOLOGICAL, AND RADIOLOGICAL THREATS	
EOD-ADMN-6001	Provide full spectrum EOD Support
EOD-C2-6001	Employ EOD forces
EOD-C2-6002	Conduct Company Explosive Ordnance Disposal Operations Center (EODOC) Operations
EOD-ADMN-4001	Provide Support to Other Government Agencies in Support of the Homeland Defense Mission
EOD-CBRN-4001	Conduct Emergency Decontamination Operations
EOD-ADMN-3001	Respond to an Aircraft Incident
EOD-CBRN-3001	Conduct CBRN Response Operations
EOD-DEMO-3001	Conduct disposal of explosive hazards
EOD-INTL-3401	Conduct Post Blast Analysis
EOD-OPS-3001	Conduct Sensitive Site Exploitation
EOD-OPS-3003	Conduct full spectrum EOD operations
EOD-OPS-3005	Conduct WMD operations
EOD-OPS-3008	Conduct Tactical Combat Casualty Care
MET 4. CONDUCT EXPLOSIVE ORDNANCE DISPOSAL (EOD) OPERATIONS ON CONVENTIONAL ORDNANCE	
EOD-ADMN-6001	Provide full spectrum EOD Support
EOD-C2-6001	Employ EOD forces
EOD-C2-6002	Conduct Company Explosive Ordnance Disposal Operations Center (EODOC) Operations
EOD-ADMN-4001	Provide Support to Other Government Agencies in Support of the Homeland Defense Mission
EOD-ADMN-3001	Respond to an Aircraft Incident
EOD-CBRN-3001	Conduct CBRN Response Operations
EOD-DEMO-3201	Conduct Destruction of Explosive Hazards
EOD-DEMO-3001	Conduct disposal of explosive hazards
EOD-INTL-3401	Conduct Post Blast Analysis
EOD-OPS-3001	Conduct Sensitive Site Exploitation
EOD-OPS-3003	Conduct full spectrum EOD operations
EOD-OPS-3006	Conduct conventional explosive ordnance operations
EOD-OPS-3008	Conduct Tactical Combat Casualty Care
MET 5. CONDUCT EOD OPERATIONS ON NUCLEAR EXPLOSIVE ORDNANCE ACCIDENTS/THREATS	

EOD-ADMN-6001	Provide full spectrum EOD Support
EOD-C2-6001	Employ EOD forces
EOD-C2-6002	Conduct Company Explosive Ordnance Disposal Operations Center (EODOC) Operations
EOD-ADMN-4001	Provide Support to Other Government Agencies in Support of the Homeland Defense Mission
EOD-CBRN-4001	Conduct Emergency Decontamination Operations
EOD-ADMN-3001	Respond to an Aircraft Incident
EOD-DEMO-3001	Conduct disposal of explosive hazards
EOD-INTL-3401	Conduct Post Blast Analysis
EOD-OPS-3001	Conduct Sensitive Site Exploitation
EOD-OPS-3003	Conduct full spectrum EOD operations
EOD-OPS-3007	Provide nuclear ordnance operations
EOD-OPS-3008	Conduct Tactical Combat Casualty Care

EOD T&R MANUAL

CHAPTER 3

COLLECTIVE EVENTS

CHAPTER 3

COLLECTIVE EVENTS

3000. PURPOSE. Chapter 3 contains collective training events for the EOD 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:

Code	Description
EOD	Explosive Ordnance Disposal

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

Code	Description
ADMN	Administrative
C2	Command and Control
CBRN	Chemical, Biological, Radiological, Nuclear
DEMO	Demolition
IED	Improvised Explosive Device
INTL	Intelligence
MED	Medical
RSP	Render Safe Procedures
TOOL	Tool

c. Field three. This field provides the level at which the event is accomplished and numerical sequencing of events. A numerical code is assigned to each collective training event. The first number identifies the size of the unit performing the event. The second number identifies the echelon of unit being supported by a particular collective event. If a collective event is supported by other events or is performed in general support without regard to echelon, then a zero "0" will be utilized as the second number. For example: EOD-OPS-3801 would refer to an event conducted by a four EOD Marines supporting supporting a Regiment or Group, EOD-OPS-3001 would represent an event the EOD squad does in support of any sized unit. The event would not be labeled EOD-OPS-8001 because that would imply that a regiment sized unit was performing some task. Events that relate to staff planning, to the conduct of a command operations center or to staff level decision making processes will be numbered according to the level to which the staff belongs. For example: an EOD Company staff conducting planning for a Homeland Defense mission would be labeled as EOD-OPS-6001 even though the entire Company is not actively involved in the planning of the operation. This chapter contains the following event levels:

Code	Description
6000	Company Level
4000	Section Level
3000	Squad Level

3002. INDEX OF COLLECTIVE EVENTS

3003. 6000-LEVEL EVENTS

EOD-ADMN-6001: Provide full spectrum EOD Support

SUPPORTED MET(S):

MCT 4.6.3	MCT 6.8.1	MCT 6.8.2
MCT 6.8.3	MCT 6.8.4	MCT 6.8.5

EVALUATION-CODED: YES **SUSTAINMENT INTERVAL:** 12 months

DESCRIPTION: This task supports the MAGTF, SE, Homeland Defense, and Special Operations Forces.

CONDITION: Given a mission, Joint, Combined, and /or Interagency environment, a higher headquarters operations order, commanders guidance, and the references.

STANDARD: To locate, access, identify, render safe, neutralize, exploit/analyze and dispose of ~~hazards~~ components from foreign and domestic, Chemical Biological Radiological Nuclear and High-Yield Explosive (CBRNE), UXO, IED, and WMD that present a threat to operations, installations, personnel or materiel.

EVENT COMPONENTS:
1. Analyze mission.
2. Plan command and control.
3. Task organize EOD personnel and equipment.

REFERENCES:
1. AEODPS 60 Series Automated EOD Publication System
2. MCO 3571.2_ Explosive Ordnance Disposal (EOD) Program

EOD-C2-6001: Employ EOD forces

SUPPORTED MET(S):

MCT 4.6.3	MCT 6.8.1	MCT 6.8.2
MCT 6.8.3	MCT 6.8.4	MCT 6.8.5

EVALUATION-CODED: YES **SUSTAINMENT INTERVAL:** 24 months

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

STANDARD: Ensuring mission accomplishment.

EVENT COMPONENTS:
1. Conduct task analysis.
2. Conduct staff estimates.
3. Task organize forces.
4. Conduct pre-deployment training.
5. Conduct combat casualty care training.
6. Conduct advanced marksmanship training.
7. Conduct site survey, if applicable.
8. Conduct embarkation and rehearsal.
9. Execute movement.

REFERENCES:
1. AEODPS 60 Series Automated EOD Publication System
2. MCO 3571.2_ Explosive Ordnance Disposal (EOD) Program

SUPPORT REQUIREMENTS:

ORDNANCE:

DODIC	Quantity
A059 Cartridge, 5.56mm Ball M855 10/Clip	1600 Per per Marine
A363 Cartridge, 9mm Ball M882	400 Per per Marine
AA12 Cartridge, 9mm FX Red Marking	100 Per per Marine
AA21 Cartridge, 9mm FX Blue Marking	100 Per per Marine

EOD-C2-6002: Conduct Company Explosive Ordnance Disposal Operations Center

(EODOC) Operations

SUPPORTED MET(S):

MCT 4.6.3	MCT 6.8.1	MCT 6.8.2
MCT 6.8.3	MCT 6.8.4	MCT 6.8.5

EVALUATION-CODED: NO **SUSTAINMENT INTERVAL:** 24 months

CONDITION: Given vehicles with mounted radios and crew-served weapons, a task organized staff, required attachments from external commands, all required C4I-related infrastructure and equipment, a situation and suitable terrain.

STANDARD: Facilitate command and control, as well as facilitate information processing and exchange between employed EOD teams and higher/adjacent/supported agencies appropriate to METT-TSL, commanders' intent and unit SOPs.

EVENT COMPONENTS:

1. Plan an EOD Operations Center (EODOC).
2. Conduct a review of Unit EODOC SOP.
3. Inspect embark boxes, audio visual equipment, computer systems, commelec equipment, generators, lighting systems, and other organizational equipment and furniture.
4. Establish EODOC.
5. Conduct Marine Corps Planning Process.
6. Provide administrative support to subordinate teams.
7. Facilitate intelligence support to subordinate teams, including the submission of support requests for imagery, maps, ISR, exploitation analysis cell, and other intel support.
8. Assist in the development of a collection plan in order to support the HHQ/supported-unit(s) scheme of maneuver.
9. Conduct Information Operations.
10. Conduct Operational Security.
11. Conduct/facilitate tactical logistics support subordinate teams.
12. Provide communications support to subordinate teams.
13. Conduct sustained command/control functions, utilizing EODOC watch schedules and assigned assets.
14. Conduct battle drills/scenario training, including the systematic receipt of information from subordinate teams and the steps required at each level to react to/exploit the situation (e.g. Platoon, Section or Team Situation Reports; Response Reports; etc).
15. Maintain and update situational maps via electronic systems and wall maps as necessary.
16. Maintain and update information on operations, intelligence, and communications contingency boards displayed in EODOC.
17. Coordinate with HHQ, FSC, Current Operations, Future Operations and other supported agency planning efforts in support of current and future missions.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. MCO 3571.2_ Explosive Ordnance Disposal (EOD) Program

3004. 4000-LEVEL EVENTS

EOD-ADMN-4001: Provide Support to Other Government Agencies in Support of the Homeland Defense Mission

SUPPORTED MET(S):
MCT 6.8.1 MCT 6.8.2 MCT 6.8.3
MCT 6.8.4 MCT 6.8.5

EVALUATION-CODED: YES **SUSTAINMENT INTERVAL:** 12 months

DESCRIPTION: The multi/Joint Service EOD Program provides EOD Teams to Very Important Persons Protection Agency (VIPPSA) in support of the President of the United States, Vice President, and other dignitaries as directed. Furthermore, many communities do not have organic civilian EOD units to respond to the threat of improvised explosive devices, and they rely on the closest military EOD unit for this function. Military EOD is required to respond to all calls when an item is military ordnance as the military has the "cradle to grave" responsibility.

CONDITION: Given a requirement.

STANDARD: Ensuring all explosive components are mitigated.

EVENT COMPONENTS:
1. Ensure MOA's are in place with the local communities.
2. Coordinate with higher headquarters.
3. Provide the necessary support as requested.
4. Complete the required report.

REFERENCES:
1. AEODPS 60 Series Automated EOD Publication System
2. MCO 3571.2_ Explosive Ordnance Disposal (EOD) Program

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: In order to successfully perform this task personnel must have advanced/evasive driving skills. Refer to CID: A16M9K3 Antiterrorism/Evasive driving course.

EOD-CBRN-4001: Conduct Emergency Decontamination Operations

SUPPORTED MET(S):
MCT 6.8.2 MCT 6.8.3 MCT 6.8.5

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

CONDITION: Given an environment, equipment, and personnel.

STANDARD: To eliminate the spread of contamination from personnel and equipment exposed.

EVENT COMPONENTS:

1. Assess situation/contamination.
2. Determine exclusion area/downwind hazard distance.
3. Establish Hotline.
4. Process personnel and equipment.

REFERENCES:
1. Applicable Marine Corps Orders and Directives
2. National Response Plan
3. AEODPS 60 Series Automated EOD Publication System
4. CFR 49 Code of Federal Regulations - Hazardous Materials
5. DODDIR 3150.8 DOD Response to Radiological Accidents

SUPPORT REQUIREMENTS:

ORDNANCE:

DODIC	Quantity
K765 Riot Control Agent, CS	12 Per per Section

RANGE/TRAINING AREA:
Facility Code 17410 Maneuver/Training Area, Light Forces
Facility Code 17963 MOUT Collective Training Facility (Large)

OTHER SUPPORT REQUIREMENTS: Viscous material to act as agents.

3005. 3000-LEVEL EVENTS

EOD-ADMN-3001: Respond to an Aircraft Incident

SUPPORTED MET(S):

MCT 4.6.3	MCT 6.8.1	MCT 6.8.3
MCT 6.8.4	MCT 6.8.5	

EVALUATION-CODED: YES **SUSTAINMENT INTERVAL:** 12 months

DESCRIPTION: Provide response capabilities to aircraft crashes, mishaps, and tactical recovery of aircraft and personnel.

CONDITION: Given a requirement.

STANDARD: To mitigate explosive components and safely recover equipment/personnel.

EVENT COMPONENTS:
1. Conduct mission analysis.
2. Develop Plan.
3. Execute Plan.
4. Complete the required report.

REFERENCES:
1. AEODPS 60 Series Automated EOD Publication System
2. MCO 3571.2_ Explosive Ordnance Disposal (EOD) Program

EOD-CBRN-3001: Conduct CBRN Response Operations

SUPPORTED MET(S):
MCT 6.8.1 MCT 6.8.2 MCT 6.8.3
MCT 6.8.4

EVALUATION-CODED: YES **SUSTAINMENT INTERVAL:** 12 months

CONDITION: Given an EOD response element, while in appropriate PPE, and utilizing EOD tools and equipment.

STANDARD: To mitigate the ~~hazards~~ components.

EVENT COMPONENTS:
1. Coordinate with the on scene commander.
2. Set up a hot line or safe area.
3. Gather all intelligence.
4. Plot downwind hazard area.
5. Clear the downwind hazard area of all personnel.
6. Choose and don correct PPE.
7. Prepare RSP tools and equipment.
8. Gain entry and search for secondary devices.
9. Perform render safe procedure.
10. Conduct leak seal, packaging, mitigation techniques on CBRNE components.
11. Complete the reporting requirements.

REFERENCES:
1. Applicable Marine Corps Orders and Directives
2. AEODPS 60 Series Automated EOD Publication System
3. MCO 1510.101 Individual Training Standards System for Marine Corps Special Skills, Vol. II
4. MCO 8027.1 Interservice Responsibilities for Explosive Ordnance Disposal
5. MCRP 3-17.2 Multiservice Procedures for Explosive Ordnance Disposal (NTTP) in a Joint Environment
6. TM-10 Applicable Manuals

SUPPORT REQUIREMENTS:

ORDNANCE:

DODIC	Quantity
K765 Riot Control Agent, CS	12 Per per squad

OTHER SUPPORT REQUIREMENTS: Fissile material or agent that will test positive.

EOD-DEMO-3001: Conduct disposal of explosive ~~hazards~~ components

SUPPORTED MET(S):
MCT 6.8.1 MCT 6.8.2 MCT 6.8.3
MCT 6.8.4 MCT 6.8.5

EVALUATION-CODED: YES **SUSTAINMENT INTERVAL:** 12 months

CONDITION: Given demolitions material, EOD tools, and explosive components ~~hazards~~.

STANDARD: To eliminate all threats/components ~~hazards~~.

EVENT COMPONENTS:
1. Determine scale of disposal.
2. Task organize force.
3. Verify complete disposal.
4. Submit report.

REFERENCES:
1. Applicable Marine Corps Orders and Directives
2. Military Munitions Rule
3. AEODPS 60 Series Automated EOD Publication System
4. MCO 3440.7 Marine Corps Support to Civil Authorities
5. NAVSEA OP 5 Vol 1 Ammunition and Explosives/Ashore Safety Regulations of Handling, Storage, Production, Renovation and Shipping
6. NAVSEA SWO60-AA-MMA-010 Demolition Materials
7. Op Order Annex C Appendix 13

SUPPORT REQUIREMENTS:

ORDNANCE:

DODIC	Quantity
M023 Charge, Demolition Block M112 1-1/4	2 Per per Marine
M131 Cap, Blasting Non-Electric M7	10 Per per Marine
M456 Cord, Detonating PETN Type I Class E	100 FT per Marine
M670 Fuse, Blasting Time M700	100 FT per Marine
M757 Charge, Assembly Demolition M183 Com	1 Per per Marine
M980 Charge, Demolition Sheet 0.0831 Inch	2 FT per Marine
M981 Charge, Demolition Sheet 0.125 Inch	2 FT per Marine
M982 Charge, Demolition Sheet 0.161 Inch	2 FT per Marine
M986 Sheet Explosive	2 FT per Marine
MN08 Igniter, Time Blasting Fuse with Sho	10 Per per Marine

RANGE/TRAINING AREA: Facility Code 17830 Light Demolition Range

EQUIPMENT: Demolition Kit

UNITS/PERSONNEL: Corpsman with Trauma Training

EOD-DEMO-3002: Conduct destruction of explosive components

SUPPORTED MET(S):
MCT 4.6.3 MCT 6.8.1 MCT 6.8.4

EVALUATION-CODED: YES **SUSTAINMENT INTERVAL**: 12 months

CONDITION: Given demolitions material, EOD tools, safe disposal area, and an explosive components.

STANDARD: To ensure the complete destruction of all related explosive components.

EVENT COMPONENTS:
1. Select disposal site.
2. Select disposal method.
3. Select demolition materials.
4. Determine demolition material requirements.
5. Calculate safe distance.
6. Prepare disposal materials.
7. Initiate firing train.
8. Verify complete disposal.
9. Submit report.

REFERENCES:
1. Applicable Marine Corps Orders and Directives
2. Military Munitions Rule
3. AEODPS 60 Series Automated EOD Publication System
4. MCO 3440.7 Marine Corps Support to Civil Authorities
5. NAVSEA OP 5 Vol 1 Ammunition and Explosives/Ashore Safety Regulations of Handling, Storage, Production, Renovation and Shipping
6. NAVSEA SWO60-AA-MMA-010 Demolition Materials
7. Op Order Annex C Appendix 13

SUPPORT REQUIREMENTS:

ORDNANCE:

DODIC	Quantity
G940 Grenade, Hand Green Smoke M18	1 Per per Section
G950 Grenade, Hand Red Smoke M18	1 Per per Section
M131 Cap, Blasting Non-Electric M7	10 Per per Section
M456 Cord, Detonating PETN Type I Class E	500 FT per Section
M670 Fuse, Blasting Time M700	100 FT per Section
M757 Charge, Assembly Demolition M183 Com	1 Per per Section
MN08 Igniter, Time Blasting Fuse with Sho	10 Per per Section

RANGE/TRAINING AREA: Facility Code 17830 Light Demolition Range

EQUIPMENT: Demolition Kit

UNITS/PERSONNEL: Corpsman with Trauma Training

EOD-INTL-3401: Conduct Post Blast Analysis

SUPPORTED MET(S):

MCT 6.8.1	MCT 6.8.2	MCT 6.8.3
MCT 6.8.4	MCT 6.8.5	

EVALUATION-CODED: YES **SUSTAINMENT INTERVAL:** 12 months

CONDITION: Given an impact crater or detonation site, fragmentation and/or components, required EOD references, tools and equipment.

STANDARD: To accurately identify ordnance type/explosive device type, Net Explosive Weight, components, possible initiation for intelligence and EOD reporting.

EVENT COMPONENTS:
1. Secure the area.
2. Search for secondary devices.
3. Gather fragmentation and forensic evidence.
4. Measure the crater or detonation site.
5. Research fragmentation to accurately identify Unexploded Ordnance type/explosive device type, Net Explosive Weight, components, and possible initiation.
6. Plot the back azimuth through the maximum range of the weapons system.
7. Complete the report.

REFERENCES:
1. AEODPS 60 Series Automated EOD Publication System
2. MCO 8027.1 Interservice Responsibilities for Explosive Ordnance Disposal
3. MCRP 3-17.2 Multiservice Procedures for Explosive Ordnance Disposal (NTTP) in a Joint Environment

SUPPORT REQUIREMENTS:

ORDNANCE:

DODIC	Quantity
B643 Cartridge, 60mm High Explosive M888	1 Per per Section
C869 Cartridge, 81mm HE M889/M889A1 with	1 Per per Section
DA54 Projectile, 155mm HE (IMX-101) w/Sup	1 Per per Section
M023 Charge, Demolition Block M112 1-1/4	3 Per per Section
M032 Charge, Demolition Block TNT 1-Pound	3 Per per Section
M130 Cap, Blasting Electric M6	13 Per per Section
M591 Dynamite, Military M1	3 Per per Section

MATERIAL: Purchase miscellaneous electronic components and containers to replicate various IEDs in CONUS and OCONUS found.

UNITS/PERSONNEL: Corpsman

EOD-OPS-3001: Conduct Sensitive Site Exploitation

SUPPORTED MET(S):
MCT 6.8.1 MCT 6.8.2 MCT 6.8.3
MCT 6.8.5

EVALUATION-CODED: YES **SUSTAINMENT INTERVAL:** 12 months

CONDITION: Given a site, intelligence data, an EOD team and equipment.

STANDARD: To identify, gain access, mitigate, recover documents and equipment, weapons related explosive, hazardous components, and explosive or non-explosive ~~hazards~~ components.

EVENT COMPONENTS:
1. Conduct mission analysis.
2. Develop a comprehensive plan.
3. Identify target/~~hazards~~ components.
4. Collect on-site intelligence.

5. Exploit documents, equipment, and weapons related explosive or hazardous components.
6. Process scene.
7. Document findings.
8. Report as required.

REFERENCES:
1. AEODPS 60 Series Automated EOD Publication System
2. CFR 49 Code of Federal Regulations - Hazardous Materials
3. DODDIR 3150.5 DOD Response to Improvised Nuclear Device (IND) Incidents
4. DODDIR 3150.8 DOD Response to Radiological Accidents
5. FM 3-11.4 Multiservice tactics, techniques, and procedures for nuclear, biological, and chemical (NBC) protection
6. FM 5-25 Explosives and Demolitions
7. JP 3-40 Combating Weapons of Mass Destruction
8. MCWP 3-17.2 MAGTF Explosive Ordnance Disposal
9. OP 2239 Motor Vehicle Driver's Handbook, Ammunition, Explosives and related Hazardous Materials

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:
Facility Code 17830 Light Demolition Range
Facility Code 17962 MOUT Collective Training Facility (Small)

EOD-OPS-3002: Conduct unexploded explosive ordnance (UXO) response operations

SUPPORTED MET(S): MCT 6.8.1

EVALUATION-CODED: YES **SUSTAINMENT INTERVAL:** 12 months

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

STANDARD: In order to mitigate threats/~~hazards~~ components to personnel, installations, and equipment.

EVENT COMPONENTS:
1. Conduct mission analysis.
2. Develop plan.
3. Task organize force.
4. Secure scene.
5. Establish command and control.
6. Conduct site exploitation.
7. Coordinate internal/external support, if applicable.
8. Mitigate situation.
9. Submit reports.

REFERENCES:
1. AEODPS 60 Series Automated EOD Publication System
2. CFR 49 Code of Federal Regulations - Hazardous Materials
3. DODDIR 3150.5 DOD Response to Improvised Nuclear Device (IND) Incidents
4. DODDIR 3150.8 DOD Response to Radiological Accidents
5. FM 3-11.4 Multiservice tactics, techniques, and procedures for nuclear,

biological, and chemical (NBC) protection
6. FM 5-25 Explosives and Demolitions
7. JP 3-40 Combating Weapons of Mass Destruction
8. MCWP 3-17.2 MAGTF Explosive Ordnance Disposal
9. OP 2239 Motor Vehicle Driver's Handbook, Ammunition, Explosives and related Hazardous Materials

SUPPORT REQUIREMENTS:

ORDNANCE:

DODIC	Quantity
M130 Cap, Blasting Electric M6	5 Per per Marine
M131 Cap, Blasting Non-Electric M7	5 Per per Marine
M174 Cartridge, Caliber .50 Impulse Elect	2 Per per Marine
M456 Cord, Detonating PETN Type I Class E	100 FT per Marine
M670 Fuse, Blasting Time M700	100 FT per Marine
M757 Charge, Assembly Demolition M183 Com	1 Per per Marine
M980 Charge, Demolition Sheet 0.0831 Inch	2 FT per Marine
M981 Charge, Demolition Sheet 0.125 Inch	2 FT per Marine
M982 Charge, Demolition Sheet 0.161 Inch	2 FT per Marine
M986 Sheet Explosive	2 FT per Marine
MN08 Igniter, Time Blasting Fuse with Sho	5 Per per Marine

RANGE/TRAINING AREA:
Facility Code 17830 Light Demolition Range
Facility Code 17962 MOUT Collective Training Facility (Small)

EOD-OPS-3003: Conduct full spectrum EOD operations

SUPPORTED MET(S):
MCT 6.8.1 MCT 6.8.2 MCT 6.8.3
MCT 6.8.4 MCT 6.8.5

EVALUATION-CODED: YES **SUSTAINMENT INTERVAL:** 24 months

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

STANDARD: In order to mitigate threats/~~hazards~~ components to personnel, installations, and equipment.

EVENT COMPONENTS:
1. Conduct mission analysis.
2. Develop plan.
3. Task organize force.
4. Establish command and control.
5. Conduct site exploitation.
6. Coordinate internal/external support, if applicable.
7. Mitigate situation.
8. Submit reports.

REFERENCES:
1. AEODPS 60 Series Automated EOD Publication System
2. CFR 49 Code of Federal Regulations - Hazardous Materials

3. DODDIR 3150.5 DOD Response to Improvised Nuclear Device (IND) Incidents
4. DODDIR 3150.8 DOD Response to Radiological Accidents
5. FM 3-11.4 Multiservice tactics, techniques, and procedures for nuclear, biological, and chemical (NBC) protection
6. FM 5-25 Explosives and Demolitions
7. JP 3-40 Combating Weapons of Mass Destruction
8. MCWP 3-17.2 MAGTF Explosive Ordnance Disposal
9. OP 2239 Motor Vehicle Driver's Handbook, Ammunition, Explosives and related Hazardous Materials

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:
Facility Code 17830 Light Demolition Range
Facility Code 17962 MOUT Collective Training Facility (Small)

EOD-OPS-3004: Conduct IED operations

SUPPORTED MET(S): MCT 6.8.2

EVALUATION-CODED: YES **SUSTAINMENT INTERVAL:** 12 months

CONDITION: Given a threat.

STANDARD: To mitigate all explosive ~~hazards~~ components and the operations is conducted in a safe manner.

EVENT COMPONENTS:
1. Conduct mission analysis.
2. Develop plan.
3. Task organize force.
4. Establish command and control.
5. Conduct site exploitation.
6. Coordinate internal/external support, if applicable.
7. Mitigate situation.
8. Submit reports.

REFERENCES:
1. AEODPS 60 Series Automated EOD Publication System
2. CFR 49 Code of Federal Regulations - Hazardous Materials
3. DODDIR 3150.5 DOD Response to Improvised Nuclear Device (IND) Incidents
4. DODDIR 3150.8 DOD Response to Radiological Accidents
5. FM 3-11.4 Multiservice tactics, techniques, and procedures for nuclear, biological, and chemical (NBC) protection
6. FM 5-25 Explosives and Demolitions
7. JP 3-40 Combating Weapons of Mass Destruction
8. MCWP 3-17.2 MAGTF Explosive Ordnance Disposal
9. OP 2239 Motor Vehicle Driver's Handbook, Ammunition, Explosives and related Hazardous Materials

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:
Facility Code 17830 Light Demolition Range

Facility Code 17962 MOUT Collective Training Facility (Small)

EOD-OPS-3005: Conduct WMD operations

SUPPORTED MET(S): MCT 6.8.3

EVALUATION-CODED: YES **SUSTAINMENT INTERVAL:** 12 months

CONDITION: Given a threat.

STANDARD: To mitigate all explosive ~~hazards~~ components and the operations is conducted in a safe manner.

EVENT COMPONENTS:
1. Conduct mission analysis.
2. Develop plan.
3. Task organize force.
4. Establish command and control.
5. Conduct site exploitation.
6. Monitor and survey environment.
7. Coordinate internal/external support, if applicable.
8. Mitigate situation.
9. Submit reports.

REFERENCES:
1. AEODPS 60 Series Automated EOD Publication System
2. CFR 49 Code of Federal Regulations - Hazardous Materials
3. DODDIR 3150.5 DOD Response to Improvised Nuclear Device (IND) Incidents
4. DODDIR 3150.8 DOD Response to Radiological Accidents
5. FM 3-11.4 Multiservice tactics, techniques, and procedures for nuclear, biological, and chemical (NBC) protection
6. FM 5-25 Explosives and Demolitions
7. JP 3-40 Combating Weapons of Mass Destruction
8. MCWP 3-17.2 MAGTF Explosive Ordnance Disposal
9. OP 2239 Motor Vehicle Driver's Handbook, Ammunition, Explosives and related Hazardous Materials

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:
Facility Code 17830 Light Demolition Range
Facility Code 17962 MOUT Collective Training Facility (Small)

EOD-OPS-3006: Conduct conventional explosive ordnance operations

SUPPORTED MET(S): MCT 6.8.4

EVALUATION-CODED: YES **SUSTAINMENT INTERVAL:** 12 months

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

STANDARD: To mitigate ordnance and operations are conducted safely.

EVENT COMPONENTS:
1. Conduct mission analysis.
2. Develop plan.
3. Task organize force.
4. Establish command and control.
5. Conduct site exploitation.
6. Coordinate internal/external support, if applicable.
7. Mitigate situation.
8. Submit reports.

REFERENCES:
1. AEODPS 60 Series Automated EOD Publication System
2. CFR 49 Code of Federal Regulations - Hazardous Materials
3. DODDIR 3150.5 DOD Response to Improvised Nuclear Device (IND) Incidents
4. DODDIR 3150.8 DOD Response to Radiological Accidents
5. FM 3-11.4 Multiservice tactics, techniques, and procedures for nuclear, biological, and chemical (NBC) protection
6. FM 5-25 Explosives and Demolitions
7. JP 3-40 Combating Weapons of Mass Destruction
8. MCWP 3-17.2 MAGTF Explosive Ordnance Disposal
9. OP 2239 Motor Vehicle Driver's Handbook, Ammunition, Explosives and related Hazardous Materials

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:
Facility Code 17830 Light Demolition Range
Facility Code 17962 MOUT Collective Training Facility (Small)

EOD OPS-3007: Provide nuclear ordnance operations

SUPPORTED MET(S): MCT 6.8.5

EVALUATION-CODED: YES **SUSTAINMENT INTERVAL:** 12 months

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

STANDARD: To mitigate ~~hazards~~ components and reduce the threat of contamination.

EVENT COMPONENTS:
1. Conduct mission analysis.
2. Develop plan.
3. Task organize force.
4. Establish command and control.
5. Conduct site exploitation.
6. Monitor and survey environment.
7. Coordinate internal/external support, if applicable.
8. Mitigate situation.
9. Submit reports.

REFERENCES:
1. AEODPS 60 Series Automated EOD Publication System
2. CFR 49 Code of Federal Regulations - Hazardous Materials

3. DODDIR 3150.5 DOD Response to Improvised Nuclear Device (IND) Incidents
4. DODDIR 3150.8 DOD Response to Radiological Accidents
5. FM 3-11.4 Multiservice tactics, techniques, and procedures for nuclear, biological, and chemical (NBC) protection
6. FM 5-25 Explosives and Demolitions
7. JP 3-40 Combating Weapons of Mass Destruction
8. MCWP 3-17.2 MAGTF Explosive Ordnance Disposal
9. OP 2239 Motor Vehicle Driver's Handbook, Ammunition, Explosives and related Hazardous Materials

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:
Facility Code 17830 Light Demolition Range
Facility Code 17962 MOUT Collective Training Facility (Small)

EOD-OPS-3008: Conduct Tactical Combat Casualty Care

SUPPORTED MET(S):

MCT 6.8.1	MCT 6.8.2	MCT 6.8.3
MCT 6.8.4	MCT 6.8.5	

EVALUATION-CODED: NO **SUSTAINMENT INTERVAL:** 24 months

CONDITION: Given a requirement.

STANDARD: To mitigate the loss of life.

EVENT COMPONENTS:
1. Perform Individual First Aid Kit inventory.
2. Perform care under fire (CUF), when required.
3. Perform tactical field care, when required.
4. Conduct evacuation of personnel.

REFERENCES:
1. Prehospital Trauma Life Support (PHTLS). National Association of Emergency Medical Technicians: current edition.

SUPPORT REQUIREMENTS:

MATERIAL: Corpsman Assault Pack

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: Live tissue training is needed in order to train this task to standard.

CHAPTER 4

MOS 2305 INDIVIDUAL EVENTS

CHAPTER 4

MOS 2305 INDIVIDUAL EVENTS

4000. PURPOSE. This chapter details the individual events that pertain to Explosive Ordnance Disposal (EOD) 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:

Code	Description
2305	EOD Officer

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

Code	Description
C2	Command and Control
ADMN	Administrative
INTL	Intelligence
OPS	Operations

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

Code	Description
2000	Core Plus Skills

4002. INDEX OF INDIVIDUAL EVENTS

4003. 2000-LEVEL EVENTS

2305-ADMN-2002: Manage EOD Reporting

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

MOS PERFORMING: 2305

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an EOD operation.

STANDARD: To ensure completion of all required information.

PERFORMANCE STEPS:
1. Verify accuracy of report(s).
2. Submit report.
3. Confirm receipt.

REFERENCES:
1. Applicable Marine Corps Orders and Directives
2. Military Munitions Rule
3. AEODPS 60 Series Automated EOD Publication System
4. MCO 3571.2_ Explosive Ordnance Disposal (EOD) Program
5. Op Order Annex C Appendix 13

SUPPORT REQUIREMENTS:

EQUIPMENT: EOD book set Dedicated EOD SIPR connection

2305-ADMN-2007: Manage Explosive Ordnance Disposal Personnel

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

MOS PERFORMING: 2305

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

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a requirement.

STANDARD: To ensure unit readiness.

PERFORMANCE STEPS:
1. Determine billet functions and assignments.
2. Develop a counseling/evaluation program.
3. Conduct annual EOD screening.
4. Conduct certification/qualification screening, as required.
5. Verify EOD Lateral Move screenings.
6. Verify classified material accesses.
7. Endorse accession request(s).
8. Conduct removal/suspension of personnel from MOS 2336.

REFERENCES:
1. MCO 3571.2_ Explosive Ordnance Disposal (EOD) Program
2. MCO P1610.7_ Performance Evaluation System (PES)

2305-ADMN-2008: Manage Explosive Ordnance Disposal Readiness Program

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

MOS PERFORMING: 2305

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

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a requirement.

STANDARD: To ensure unit readiness.

PERFORMANCE STEPS:
1. Develop career progression program.
2. Develop training program.
3. Oversee training aids library.
4. Conduct an Operational Readiness Evaluation.

REFERENCES:
1. MCO 3571.2_ Explosive Ordnance Disposal (EOD) Program
2. NAVSEA OP 5 Vol 1 Ammunition and Explosives/Ashore Safety Regulations of Handling, Storage, Production, Renovation and Shipping

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2305-INTL-2001: Conduct an Explosive Mishap Investigation

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

MOS PERFORMING: 2305

GRADES: WO-1, CWO-2, CWO-3, CWO-4, CWO-5, CAPT, MAJ, LTCOL

INITIAL TRAINING SETTING: MOJT

CONDITION: Given an explosive incident.

STANDARD: In accordance to the JAG Manual.

PERFORMANCE STEPS:
1. Gather accident documentation.
2. Conduct interviews.
3. Compile report.
4. Submit report.

REFERENCES:
1. JAGINST 5800.7_ Manual of the Judge Advocate General (JAGMAN)

2305-OPS-2001: Direct EOD operations

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

DESCRIPTION: EOD operations include, but are not limited to: unexploded explosive ordnance, IED, WMD, conventional, exploitation, inerting, stripping, disassembly, ATFP, and nuclear operations. Additionally this event supports Counter IED efforts, forensics, exploitation analysis, combating terrorism, aircraft explosive components ~~hazards~~, special operations, Homeland Defense (Federal, State, Local authorities), and targeting.

MOS PERFORMING: 2305

GRADES: WO-1, CWO-2, CWO-3, CWO-4, CWO-5, CAPT, MAJ, LTCOL

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a mission.

STANDARD: To plan and implement the integration, interoperability and support requirements for EOD assets IAW MCO 3571.2_.

PERFORMANCE STEPS:
1. Conduct mission analysis.
2. Task organize EOD resources.
3. Validate support and response SOPs.
4. Integrate EOD assessments and planning considerations.
5. Conduct training.
6. Develop mission planning.
7. Supervise mission(s).
8. Advise higher/adjacent/supporting units.
9. Manage EOD reports.

REFERENCES:
1. Applicable Marine Corps Orders and Directives
2. Military Munitions Rule
3. AEODPS 60 Series Automated EOD Publication System
4. MCO 3571.2_ Explosive Ordnance Disposal (EOD) Program
5. Op Order Annex C Appendix 13

2305-OPS-2002: Perform duties as an EOD Integrator

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

DESCRIPTION: EOD integrators in a command/staff billet are responsible for, but not limited to: deliberate planning, staff planning, R2P2, crisis action planning, Marine Corps Planning Process (MCPP), EOD confirmation and capabilities brief, providing EOD forces, conducting Joint Planning Process, support to bureau/boards/cells/centers and working group (B2C2WG), conduct force sustainment/rotational requirements, develop EOD doctrine, compose Annex to MAGTF plan, coordinate request for forces/capabilities, and coordinate individual augmentation.

MOS PERFORMING: 2305

GRADES: CAPT, MAJ, LTCOL

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a mission.

STANDARD: To facilitate efforts of Explosive Ordnance Disposal across the range of military operations.

PERFORMANCE STEPS:
1. Determine mission requirements.
2. Validate resource requirements.
3. Determine resource capacity.
4. Determine resource capability.
5. Confirm resource availability.
6. Coordinate logistical requirements/capabilities.
7. Set conditions for task organization.
8. Direct reporting requirements.
9. Coordinate EOD activities.
10. Assess EOD procedural effectiveness.
11. Advise commander(s).
12. Develop mission planning.
13. Supervise mission(s).
14. Advise higher/adjacent units.
15. Conduct liaison with internal/external agencies.

REFERENCES:
1. Applicable Marine Corps Orders and Directives
2. Military Munitions Rule
3. AEODPS 60 Series Automated EOD Publication System
4. MCO 3571.2_ Explosive Ordnance Disposal (EOD) Program
5. Op Order Annex C Appendix 13

SUPPORT REQUIREMENTS:

EQUIPMENT: EOD book set Dedicated EOD SIPR connection

EOD T&R MANUAL

CHAPTER 5

MOS 2336 INDIVIDUAL EVENTS

CHAPTER 5

MOS 2336 INDIVIDUAL EVENTS

5000. PURPOSE. This chapter details the individual events that Pertain to Explosive Ordnance Disposal Technicians. Each individual event provides an event title, along with the conditions events will be performed under, and the standard to which the event must be performed to be successful.

5001. EVENT CODING. Events in this T&R Manual are depicted with an up to 12-character, 3-field alphanumeric system, i.e. XXXX-XXXX-XXXX. This chapter utilizes the following methodology

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

Code	Description
2300	Basic EOD Technician Tasks
2301	Advanced EOD Technician Tasks

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

Code	Description
C2	Command and Control
ADMN	Administrative
CBRN	Chemical, Biological, Radiological, Nuclear
DEMO	Demolition
IED	Improvised Explosive Device
INTL	Intelligence
MED	Medical
RSP	Render Safe Procedures
TOOL	Tool

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

Code	Description
2000	Core Plus Skills

4002. INDEX OF INDIVIDUAL EVENTS

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2301-SOF-2001	Conduct Clandestine operations	5-51
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4003. MOS 2300 BASIC EOD INDIVIDUAL EVENTS

2300-ADMN-2001: Employ the Automated Explosive Ordnance Disposal Publications System (60 Series)

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

MOS PERFORMING: 2305, 2336

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT, WO-1, CWO-2, CWO-3, CWO-4, CWO-5, CAPT, MAJ, LTCOL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an ordnance item with measurements and laptop with AEODPS 60 Series Publication software.

STANDARD: To determine positive identification, function, and disposition of items.

PERFORMANCE STEPS:
1. Gather intelligence.
2. Conduct reconnaissance.
3. Identify functioning.
4. Identify safeties/warnings.
5. Identify conditions.
6. Determine disposition.

REFERENCES:
1. AEODPS 60 Series Automated EOD Publication System

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: Must have full time access to SIRPNET.

2300-CBRN-2001: Conduct chemical/biological operations

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

DESCRIPTION: This event pertains to state sponsored weapons, chemical/biological laboratories, and Improvised Explosive Device (IED) with Toxic Industrial Chemical (TIC) or Toxic Industrial Material (TIM).

MOS PERFORMING: 2305, 2336

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT, WO-1, CWO-2, CWO-3, CWO-4, CWO-5, CAPT, MAJ, LTCOL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a requirement, equipment, and references.

STANDARD: To identify ~~hazards~~ components and mitigate the threat.

PERFORMANCE STEPS:
1. Conduct preventative maintenance checks and services.
2. Gather intelligence.
3. Don Chemical Protective Clothing.
4. Establish Emergency Personnel Decontamination Site.
5. Conduct monitoring.
6. Conduct reconnaissance.
7. Calculate Downwind Hazard Area.
8. Conduct EOD procedures.
9. Conduct Leak, Seal, and Packaging Procedures on Chemical Munitions.
10. Conduct follow on procedures, when required.
11. Conduct reporting.

REFERENCES:
1. AEODPS 60 Series Automated EOD Publication System
2. DODDIR 3150.8 DOD Response to Radiological Accidents
3. MCO 3571.2_ Explosive Ordnance Disposal (EOD) Program

SUPPORT REQUIREMENTS:

ORDNANCE:

DODIC	Quantity
K765 Riot Control Agent, CS	1 Per per Marine

EQUIPMENT:
M118 detection kit, M256 detection kit, HHA kit.
EOD family of equipment.

OTHER SUPPORT REQUIREMENTS: Full time access to SIPRNET.

2300-CBRN-2002: Conduct nuclear ordnance operations

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

MOS PERFORMING: 2305, 2336

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT, WO-1, CWO-2, CWO-3, CWO-4, CWO-5, CAPT, MAJ, LTCOL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a state sponsored weapon.

STANDARD: To identify ~~hazards~~ components and mitigate the threat.

PERFORMANCE STEPS:
1. Gather intelligence.
2. Establish hotline.
3. Conduct monitoring.
4. Conduct reconnaissance.
5. Calculate Downwind Hazard Area.
6. Conduct EOD procedures.
7. Conduct Leak, Seal, and Packaging Procedures on material.
8. Conduct follow on procedures, when required.
9. Conduct reporting.

REFERENCES:
1. AEODPS 60 Series Automated EOD Publication System
2. DODDIR 3150.8 DOD Response to Radiological Accidents
3. MCO 3571.2_ Explosive Ordnance Disposal (EOD) Program

SUPPORT REQUIREMENTS:

EQUIPMENT: EOD family of equipment.

OTHER SUPPORT REQUIREMENTS: Full time access to SIPRNET.

2300-CBRN-2003: Conduct WMD operations

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

DESCRIPTION: This event includes Improvised Nuclear Device (IND), Radiological Dispersal Device (RDD), chemical, biological, Toxic Industrial Chemical (TIC) or Toxic Industrial Material (TIM) with the consequence of mass casualty events.

MOS PERFORMING: 2305, 2336

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT, WO-1, CWO-2, CWO-3, CWO-4, CWO-5, CAPT, MAJ, LTCOL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a requirement, equipment, and references.

STANDARD: To identify ~~hazards~~ components and mitigate the threat.

PERFORMANCE STEPS:
1. Conduct mission analysis.

2. Conduct monitoring.
3. Validate presence of fissile material.
4. Validate presence of improvised nuclear device.
5. Validate presence of radiological dispersal device.
6. Validate the presence of TICs and TIMs.
7. Conduct advanced radiographic techniques.
8. Conduct Department of Energy triage report.
9. Conduct pinpoint disruption techniques.

REFERENCES:
1. AEODPS 60 Series Automated EOD Publication System
2. DODDIR 3150.8 DOD Response to Radiological Accidents
3. MCO 3571.2_ Explosive Ordnance Disposal (EOD) Program

SUPPORT REQUIREMENTS:

EQUIPMENT:
M118 detection kit, M256 detection kit, HHA kit.
EOD family of equipment.

OTHER SUPPORT REQUIREMENTS: Full time access to SIPRNET.

2300-DEMO-2001: Initiate a Non-Electric Firing System

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

MOS PERFORMING: 2305, 2336

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT, WO-1, CWO-2, CWO-3, CWO-4, CWO-5, CAPT, MAJ, LTCOL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given demolition materials.

STANDARD: To ensure proper initiation, observing all applicable safety precautions.

PERFORMANCE STEPS:
1. Assemble non electric firing system.
2. Emplace non electric firing system.
3. Initiate non electric firing system.

REFERENCES:
1. AEODPS 60 Series Automated EOD Publication System
2. NAVSEA OP 5 Vol 1 Ammunition and Explosives/Ashore Safety Regulations of Handling, Storage, Production, Renovation and Shipping
3. NAVSEA SWO60-AA-MMA-010 Demolition Materials

SUPPORT REQUIREMENTS:

ORDNANCE:

DODIC	Quantity

DWEI Pyrotechnic Lead Spool Assembly, MK	50 FT per Marine
M023 Charge, Demolition Block M112 1-1/4	1 Per per Marine
M032 Charge, Demolition Block TNT 1-Pound	1 Per per Marine
M131 Cap, Blasting Non-Electric M7	3 Per per Marine
M591 Dynamite, Military M1	1 Per per Marine
M670 Fuse, Blasting Time M700	18 FT per Marine
ML03 Firing Device, Demolition Multi-Purp	1 Per per Marine
MN08 Igniter, Time Blasting Fuse with Sho	2 Per per Marine
MN88 Cap, Blasting, 500 ft mini-tube M21	1 Per per Marine

RANGE/TRAINING AREA: Facility Code 17830 Light Demolition Range

EQUIPMENT: EOD Demo Kit

UNITS/PERSONNEL: Trauma Certified Corpsman

2300-DEMO-2002: Initiate an Electric Firing System

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

MOS PERFORMING: 2305, 2336

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT, WO-1, CWO-2, CWO-3, CWO-4, CWO-5, CAPT, MAJ, LTCOL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given demolition materials and firing device.

STANDARD: To ensure initiation of firing system.

PERFORMANCE STEPS:
1. Assemble electrical firing system.
2. Test electrical firing system.
3. Initiate firing system.

REFERENCES:
1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

ORDNANCE:

DODIC	Quantity
M023 Charge, Demolition Block M112 1-1/4	1 Per per Marine
M032 Charge, Demolition Block TNT 1-Pound	1 Per per Marine
M130 Cap, Blasting Electric M6	6 Per per Marine
M591 Dynamite, Military M1	1 Per per Marine

EQUIPMENT: Remote Firing Device, Galvanometer, Firing Wire, Firing Device

UNITS/PERSONNEL: Trauma certified corpsman.

2300-DEMO-2003: Employ Incendiary Devices

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

MOS PERFORMING: 2305, 2336

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT, WO-1, CWO-2, CWO-3, CWO-4, CWO-5, CAPT, MAJ, LTCOL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given demolition material.

STANDARD: To ensure proper initiation of device.

PERFORMANCE STEPS:
1. Determine method of initiation.
2. Prepare incendiary device(s) for initiation.
3. Initiate incendiary device(s).

REFERENCES:
1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

ORDNANCE:

DODIC	Quantity
G900 Grenade, Hand Incendiary Thermite AN	5 Per per Marine
M131 Cap, Blasting Non-Electric M7	2 Per per Marine
M670 Fuse, Blasting Time M700	18 FT per Marine
MN08 Igniter, Time Blasting Fuse with Sho	3 Per per Marine

RANGE/TRAINING AREA: Facility Code 17830 Light Demolition Range

EQUIPMENT: EOD family of tools

UNITS/PERSONNEL: Trauma Certified Corpsman

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS:
1 Shot - Thrown by hand
1 Shot - Standard initiation with blasting cap 1 inch from the top in a cluster of 3
1 Shot - Cap placed under a taped spoon
1 Shot - Fish scaled time fuze

2300-DEMO-2004: Employ a Detonating Cord System

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

MOS PERFORMING: 2305, 2336

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT, WO-1, CWO-2, CWO-3, CWO-4, CWO-5, CAPT, MAJ, LTCOL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given demolition material.

STANDARD: To ensure proper detonation.

PERFORMANCE STEPS:
1. Prepare a detonating cord system.
2. Connect detonating cord system to firing system.
3. Initiate detonating cord system.

REFERENCES:
1. AEODPS 60 Series Automated EOD Publication System
2. NAVSEA SWO60-AA-MMA-010 Demolition Materials

SUPPORT REQUIREMENTS:

ORDNANCE:

DODIC	Quantity
M023 Charge, Demolition Block M112 1-1/4	1 Per per Marine
M032 Charge, Demolition Block TNT 1-Pound	1 Per per Marine
M131 Cap, Blasting Non-Electric M7	3 Per per Marine
M456 Cord, Detonating PETN Type I Class E	50 FT per Marine
M591 Dynamite, Military M1	1 Per per Marine
M670 Fuse, Blasting Time M700	12 FT per Marine
MN08 Igniter, Time Blasting Fuse with Sho	2 Per per Marine

EQUIPMENT: EOD family of tools

UNITS/PERSONNEL: Trauma Certified Corpsman

2300-DEMO-2005: Select Disposal Site

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

MOS PERFORMING: 2305, 2336

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT, WO-1, CWO-2, CWO-3, CWO-4, CWO-5, CAPT, MAJ, LTCOL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a mission.

STANDARD: To allow safe operations.

PERFORMANCE STEPS:
1. Calculate safe distance.
2. Ensure the location is clear of vegetation to a minimum of 300 feet.
3. Determine wind direction and speed.

4. Establish air clearance, when required.
5. Determine location of natural barriers which meet requirements.
6. Determine protective barriers or distance requirements.
7. Plot the disposal area selected on a map.

REFERENCES:
1. Applicable Marine Corps Orders and Directives
2. AEODPS 60 Series Automated EOD Publication System
3. MCO 3571.2_ Explosive Ordnance Disposal (EOD) Program
4. MCRP 3-17.2 Multiservice Procedures for Explosive Ordnance Disposal (NTTP) in a Joint Environment
5. NAVSEA OP 5 VOL 1 Ammunition & Explosives Ashore Safety Regulation (ESQD Information)

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17830 Light Demolition Range

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2300-DEMO-2006: Employ Shaped Charges

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

DESCRIPTION: This can be a prefabricated charge, a charge that requires, an explosive filler be added, or an improvised shape charge.

MOS PERFORMING: 2305, 2336

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT, WO-1, CWO-2, CWO-3, CWO-4, CWO-5, CAPT, MAJ, LTCOL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given demolition materiels.

STANDARD: To ensure proper effect.

PERFORMANCE STEPS:
1. Prepare a shaped charge for use.
2. Prepare a firing system (electric or non-electric).
3. Initiate the firing system.

REFERENCES:
1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

ORDNANCE:

DODIC	Quantity
M023 Charge, Demolition Block M112 1-1/4	5 Per per Marine
M130 Cap, Blasting Electric M6	15 Per per Marine
M131 Cap, Blasting Non-Electric M7	12 Per per Marine
M420 Charge, Demolition Shaped M2 Series	1 Per per Marine
M421 Charge, Demolition Shaped M3 Series	1 Per per Marine

M456 Cord, Detonating PETN Type I Class E	25 FT per Marine
M474 Container, Demolition Charge MK1 Mod	1 Per per Marine
M475 Container, Demolition Charge MK2 Mod	1 Per per Marine
M476 Container, Demolition Charge MK3 Mod	1 Per per Marine
M477 Container, Demolition Charge MK7 Mod	1 Per per Marine
M478 Container, Demolition Charge MK7 Mod	1 Per per Marine
M479 Container, Demolition Charge MK7 Mod	1 Per per Marine
M480 Container, Demolition Charge MK7 Mod	1 Per per Marine
M481 Container, Demolition Charge MK7 Mod	1 Per per Marine
M482 Container, Demolition Charge MK7 Mod	1 Per per Marine
M483 Container, Demolition Charge MK7 Mod	1 Per per Marine
M484 Container, Demolition Charge MK7 Mod	1 Per per Marine
M487 Container, Demolition Charge MK8 Mod	1 Per per Marine
M670 Fuse, Blasting Time M700	50 FT per Marine
M981 Charge, Demolition Sheet 0.125 Inch	1 FT per Marine
MM41 Charge, Demolition Flexible Linear S	1 FT per Marine
MM42 Charge, Demolition Flexible Linear S	1 FT per Marine
MM43 Charge, Demolition Flexible Linear S	1 FT per Marine
MM44 Charge, Demolition Flexible Linear S	1 FT per Marine
MM45 Charge, Demolition Flexible Linear S	1 FT per Marine
MM46 Charge, Demolition Flexible Linear S	1 FT per Marine
MM47 Charge, Demolition Flexible Linear S	1 FT per Marine
MM48 Charge, Demolition Flexible Linear S	1 FT per Marine
MN08 Igniter, Time Blasting Fuse with Sho	14 FT per Marine

RANGE/TRAINING AREA: Facility Code 17830 Light Demolition Range

EQUIPMENT: EOD familiy of tools, to include charge containers

UNITS/PERSONNEL: Trauma Certified Corpsman

2300-DEMO-2007: Calculate Fragmentation and Blast Distances

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

MOS PERFORMING: 2305, 2336

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT, WO-1, CWO-2, CWO-3, CWO-4, CWO-5, CAPT, MAJ, LTCOL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an EOD explosive operation.

STANDARD: To determine the minimum safe distance from fragmentation and blast damage.

PERFORMANCE STEPS: components
1. Identify ~~hazards~~.
2. Determine the relative equivalent factor (REF).
3. Determine TNT equivalent.
4. Determine safe area/distance.

REFERENCES:
1. Applicable Marine Corps Orders and Directives
2. AEODPS 60 Series Automated EOD Publication System

2300-DEMO-2008: Destroy Explosives by Burning

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

MOS PERFORMING: 2305, 2336

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT, WO-1, CWO-2, CWO-3, CWO-4, CWO-5, CAPT, MAJ, LTCOL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an EOD explosive operation.

STANDARD: In order to completely consume explosives IAW directives or SOPs.

PERFORMANCE STEPS:
1. Stage explosives to be burnt.
2. Select burn site.
3. Inspect burn site.
4. Prepare burn site.
5. Prepare initiation system.
6. Prepare dunnage pile.
7. Place explosives to be burnt on dunnage pile.
8. Place initiation system.
9. Initiate burn.
10. Observe the appropriate wait time.
11. Evaluate results.
12. Conduct reporting.

REFERENCES:
1. Applicable Marine Corps Orders and Directives
2. AEODPS 60 Series Automated EOD Publication System
3. FM 5-25 Explosives and Demolitions
4. MCO 3571.2_ Explosive Ordnance Disposal (EOD) Program

SUPPORT REQUIREMENTS:

ORDNANCE:

DODIC	Quantity
DA12 Charge, Propellant 155mm MACS M231	1 Per per Marine
G900 Grenade, Hand Incendiary Thermite AN	6 Per per Marine
M023 Charge, Demolition Block M112 1-1/4	1 Per per Marine
M131 Cap, Blasting Non-Electric M7	2 Per per Marine
M670 Fuse, Blasting Time M700	50 FT per Marine
MN08 Igniter, Time Blasting Fuse with Sho	3 Per per Marine

EQUIPMENT: EOD family of equipment.

MATERIAL: Dunnage such as cardboard, paper, or wood that will burn

UNITS/PERSONNEL: Trauma Certified Corpsman

2300-DEMO-2009: Conduct propellant burn

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

MOS PERFORMING: 2305, 2336

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT, WO-1, CWO-2, CWO-3, CWO-4, CWO-5, CAPT, MAJ, LTCOL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a propellant.

STANDARD: To ensure complete deflagration.

PERFORMANCE STEPS:
1. Select suitable site, clear of vegetation.
2. Ensure favorable environmental conditions.
3. Select method of burning.
4. Lay out propellants.
5. Build firing system.
6. Initiate firing system.
7. Evaluate results.
8. Conduct reporting.

REFERENCES:
1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

ORDNANCE:

DODIC	Quantity
DA12 Charge, Propellant 155mm MACS M231	1 Per per Marine
G900 Grenade, Hand Incendiary Thermite AN	6 Per per Marine
M131 Cap, Blasting Non-Electric M7	2 Per per Marine
M670 Fuse, Blasting Time M700	50 FT per Marine
MN08 Igniter, Time Blasting Fuse with Sho	3 Per per Marine

RANGE/TRAINING AREA: Facility Code 17830 Light Demolition Range

EQUIPMENT: EOD Demo Kit

UNITS/PERSONNEL: Trauma Certified Corpsman

2300-DEMO-2010: Destroy Explosive Ordnance by Detonation

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

MOS PERFORMING: 2305, 2336

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT, WO-1, CWO-2, CWO-3, CWO-4, CWO-5, CAPT, MAJ, LTCOL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an explosive ordnance item.

STANDARD: In order to destroy un-exploded ordnance.

PERFORMANCE STEPS:
1. Stage explosive ordnance item.
2. Place explosive charge.
3. Initiate explosives.
4. Conduct reporting.

REFERENCES:
1. Applicable Marine Corps Orders and Directives
2. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

ORDNANCE:

DODIC	Quantity
M131 Cap, Blasting Non-Electric M7	10 Per per Marine
M456 Cord, Detonating PETN Type I Class E	100 FT per Marine
M670 Fuse, Blasting Time M700	100 FT per Marine
M757 Charge, Assembly Demolition M183 Com	1 Per per Marine
MN08 Igniter, Time Blasting Fuse with Sho	10 Per per Marine

RANGE/TRAINING AREA:
Facility Code 17430 Impact Area Dudded
Facility Code 17431 Impact Area Non-Dudded
Facility Code 17670 Mortar Range
Facility Code 17820 Engineer Qualification Range, Non-Standardized
Facility Code 17830 Light Demolition Range

2300-DEMO-2011: Identify Improvised Explosive Device Components

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

MOS PERFORMING: 2305, 2336

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT, WO-1, CWO-2, CWO-3, CWO-4, CWO-5, CAPT, MAJ, LTCOL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a device.

STANDARD: In order to accurately identify components.

PERFORMANCE STEPS:
1. X-ray components.

2. Positively identify all components.
3. Separate components.
4. Conduct reporting.
5. Forward components to the Combined Explosive Exploitation Cell (CEXC).

REFERENCES:
1. Applicable Marine Corps Orders and Directives
2. AEODPS 60 Series Automated EOD Publication System

2300-IED-2001: Conduct an Improvised Explosive Device (IED) response

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

DESCRIPTION: This event supports Counter IED efforts, forensics, exploitation analysis, and Attack the Network (AtN) operations. Personnel will be trained in the following categories: point of origin, tactical acuity, and fragmentation identification.

MOS PERFORMING: 2305, 2336

GRADES: SGT, SSGT, GYSGT, MSGT, WO-1, CWO-2, CWO-3, CWO-4, CWO-5, CAPT, MAJ, LTCOL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a threat.

STANDARD: To ensure threat is eliminated.

PERFORMANCE STEPS:
1. Evaluate intelligence
2. Select PPE.
3. Locate/identify threat.
4. Search for secondarys.
5. Analyze Advanced Improvised Explosive Device Electronic Components.
6. Perform render safe procedures.
7. Verify render safe procedures.
8. Collect evidence.
9. Submit report.

REFERENCES:
1. AEODPS 60 Series Automated EOD Publication System
2. MCO 3571.2_ Explosive Ordnance Disposal (EOD) Program

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:
Facility Code 17410 Maneuver/Training Area, Light Forces
Facility Code 17963 MOUT Collective Training Facility (Large)

EQUIPMENT: Family of EOD Equipment

2300-INTL-2001: Conduct Reconnaissance on Unexploded Explosive Ordnance

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

MOS PERFORMING: 2305, 2336

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT, WO-1, CWO-2, CWO-3, CWO-4, CWO-5, MAJ, LTCOL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a munition.

STANDARD: In order to correctly identify unknown ordnance.

PERFORMANCE STEPS:
1. Establish safe area.
2. Determine support required.
3. Determine associated safeties that will be observed.
4. Determine safe direction of approach.
5. Identify type by function based on key identification features.
6. Identify and annotate nomenclature, measurements, shapes, colors, construction, fittings, and features.
7. Conduct publications research.
8. Report ordnance identification and associated ~~hazards~~ components.

REFERENCES:
1. AEODPS 60 Series Automated EOD Publication System
2. MCO 3571.2_ Explosive Ordnance Disposal (EOD) Program

SUPPORT REQUIREMENTS:

EQUIPMENT: Laptop with AEDOPS, EOD family of equipment

2300-INTL-2002: Conduct a search for explosive threat

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

MOS PERFORMING: 2305, 2336

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT, WO-1, CWO-2, CWO-3, CWO-4, CWO-5, CAPT, MAJ, LTCOL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a designated area.

STANDARD: To determine the presence of explosives and/or threats.

PERFORMANCE STEPS:
1. Determine search method.
2. Conduct vehicle, area, container, and building searches, as required.
3. Brief EOD team.

4. Brief supporting personnel.
5. Establish perimeter.

REFERENCES:
1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:
Facility Code 17410 Maneuver/Training Area, Light Forces
Facility Code 17962 MOUT Collective Training Facility (Small)
Facility Code 17963 MOUT Collective Training Facility (Large)

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: The scope of this task can cover every type of environment from heavily populated urban settings to sparse mountainous desert climates. The threat can also range from a permissive to non-permissive environment. This task must be trained to support the higher Commands anticipated missions while meeting with EOD mission capability and SOPs. This may include support to USSS, Special Operations Forces, Conventional forces, and Law Enforcement.

2300-MED-2001: Perform Tactical Field Care (TFC)

EVALUATION-CODED: NO **SUSTAINMENT INTERVAL:** 24 months

MOS PERFORMING: 2305, 2336

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT, WO-1, CWO-2, CWO-3, CWO-4, CWO-5, CAPT, MAJ, LTCOL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a casualty with no life-threatening bleeding, an Individual First Aid Kit (IFAK), and a secure position out of effective enemy fire.

STANDARD: To prevent further bleeding or death IAW MCRP 3-02G.

PERFORMANCE STEPS:
1. Disarm casualty, if necessary.
2. Evaluate casualtys airway.
3. Place casualty in recovery position.
4. Evaluate casualty for sucking chest wound.
5. Assess the casualty for unrecognized bleeding and control all sources.
6. Evaluate the casualty for shock.
7. Prevent hypothermia in casualty.
8. Inspect and dress casualtys wounds.
9. Check casualty for additional wounds.
10. Splint casualtys fractures.
11. Evaluate for TBI using IED checklist.
12. Seek medical assistance for casualty as soon as possible.

REFERENCES:
1. FMSS-4 Prehospital Trauma Life Support
2. MCRP 3-02G First Aid
3. Pre-hospital Trauma Life Support (PHTLS) Pre-hospital Trauma Life Support (PHTLS)

2300-MED-2002: Perform Care Under Fire (CUF)

EVALUATION-CODED: NO **SUSTAINMENT INTERVAL:** 24 months

MOS PERFORMING: 2305, 2336

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT, WO-1, CWO-2, CWO-3, CWO-4, CWO-5, CAPT, MAJ, LTCOL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a casualty, an assault load and an Individual First Aid Kit (IFAK).

STANDARD: To prevent additional casualties.

PERFORMANCE STEPS:
1. Suppress hostile fire.
2. Instruct casualty to take cover and apply self-aid, if possible.
3. Move casualty to a safe position when tactically feasible.
4. Treat immediate life threatening hemorrhage.

REFERENCES:
1. FMSS-4 Prehospital Trauma Life Support
2. MCRP 3-02G First Aid
3. Pre-hospital Trauma Life Support (PHTLS) Pre-hospital Trauma Life Support (PHTLS)

2300-RSP-2001: Employ Tape and Line Techniques

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

MOS PERFORMING: 2305, 2336

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT, WO-1, CWO-2, CWO-3, CWO-4, CWO-5, CAPT, MAJ, LTCOL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a munition.

STANDARD: To ensure correct application of procedures to remove the fuze from an ordnance item.

PERFORMANCE STEPS:
1. Secure the ordnance to keep it from moving.

2. Attach the tape and line system.
3. Initiate the procedure from safe area.
4. Remove fuze.
5. Validate results.
6. Submit reports.

REFERENCES:
1. AEODPS 60 Series Automated EOD Publication System
2. MCO 1510.101 Individual Training Standards System for Marine Corps Special Skills, Vol. II
3. MCO 3571.2_ Explosive Ordnance Disposal (EOD) Program

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:
Facility Code 17430 Impact Area Dudded
Facility Code 17431 Impact Area Non-Dudded
Facility Code 17937 Aerial Bombing Range

EQUIPMENT: MK1 Mod 3, EOD family of equipment

2300-RSP-2002: Conduct Render Safe Procedure (RSP) on Unexploded Explosive Ordnance (UXO)

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

MOS PERFORMING: 2305, 2336

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT, WO-1, CWO-2, CWO-3, CWO-4, CWO-5, CAPT, MAJ, LTCOL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an explosive threat.

STANDARD: To ensure complete disruption of firing train.

PERFORMANCE STEPS:
1. Identify UXO.
2. Research UXO.
3. Formulate Render Safe Procedure.
4. Prepare tools.
5. Perform procedure.
6. Validate results.
7. Submit reports.

REFERENCES:
1. Applicable Marine Corps Orders and Directives
2. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

ORDNANCE:

DODIC		Quantity
M130	Cap, Blasting Electric M6	6 Per per Marine
M174	Cartridge, Caliber .50 Impulse Elect	3 Per per Marine
M456	Cord, Detonating PETN Type I Class E	24 FT per Marine
ML04	Cutter, High Explosive MK23 Mod 0	2 Per per Marine
ML05	Cutter, High Explosive MK24 Mod 0	4 Per per Marine

EQUIPMENT:
EOD family of equipment.
Exrod Procedures.

OTHER SUPPORT REQUIREMENTS: Full time access to SIPRNET in every environment.

2300-RSP-2003: Conduct Render Safe Procedure on Aircraft Explosive ~~Hazards~~ Components

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

MOS PERFORMING: 2305, 2336

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT, WO-1, CWO-2, CWO-3, CWO-4, CWO-5, CAPT, MAJ, LTCOL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an aircraft.

STANDARD: To safe all aircraft explosive components.

PERFORMANCE STEPS:
1. Identify the type of aircraft.
2. Identify all explosive ~~hazards~~ components associated with aircraft.
3. Identify any ordnance being carried by the aircraft.
4. Render safe all identified explosive ~~hazards~~ components.
5. Render safe all ordnance delivery devices.
6. Render safe all ordnance on aircraft, if possible.
7. Submit RSP report.

REFERENCES:
1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

AIRCRAFT: Requires liaison with multiple units IOT gain access to a variety of airframes.

2300-TOOL-2001: Operate Self-Contained Breathing Apparatus (SCBA)

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

MOS PERFORMING: 2305, 2336

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT, WO-1, CWO-2, CWO-3, CWO-4, CWO-5, CAPT, MAJ, LTCOL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a mission.

STANDARD: To ensure the proper donning of the SCBA.

PERFORMANCE STEPS:
1. Conduct preventative maintenance checks and services on equipment.
2. Assemble the SCBA.
3. Conduct functions check.
4. Check for fit.
5. Don the SCBA.
6. Monitor air usage.
7. Conduct bottle exchange, as needed.
8. Doff SCBA.

REFERENCES:
1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

EQUIPMENT: SCBA

2300-TOOL-2002: Employ Remote Firing Device

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

MOS PERFORMING: 2305, 2336

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT, WO-1, CWO-2, CWO-3, CWO-4, CWO-5, CAPT, MAJ, LTCOL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a mission.

STANDARD: To ensure proper employment of a remote firing device.

PERFORMANCE STEPS:
1. Assemble the firing device.
2. Employ firing device.
3. Initiate firing device.

REFERENCES:
1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

ORDNANCE:

DODIC	Quantity

M130 Cap, Blasting Electric M6	5 Per per Marine

RANGE/TRAINING AREA: Facility Code 17830 Light Demolition Range

EQUIPMENT: EOD Demo kit

UNITS/PERSONNEL: Trauma certified Corpsman

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: 1 Shot in series and 1 shot in parellel.

2300-TOOL-2003: Employ a Remote Wrench

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

DESCRIPTION: This task encompasses employing the following but not limited to: MK 1 Mod Series remote wrenches.

MOS PERFORMING: 2305, 2336

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT, WO-1, CWO-2, CWO-3, CWO-4, CWO-5, CAPT, MAJ, LTCOL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a fuzed ordnance item.

STANDARD: Ensuring successful removal of the fuze.

PERFORMANCE STEPS:
1. Prepare the remote wrench.
2. Assemble the remote wrench for use.
3. Connect the remote wrench to firing system.
4. Apply the remote wrench to ordnance item.
5. Initiate the remote wrench.

REFERENCES:
1. AEODPS 60 Series Automated EOD Publication System
2. MCBul 8011 CLASS V(W) MATERIEL REQUIREMENTS FOR TRAINING, PROGRAMMED TESTING AND SECURITY
3. MCO 3571.2_ Explosive Ordnance Disposal (EOD) Program

SUPPORT REQUIREMENTS:

ORDNANCE:

DODIC	Quantity
A552 Ctg Cal .50	2 Per per Marine
M130 Cap, Blasting Electric M6	2 Per per Marine
M174 Cartridge, Caliber .50 Impulse Elect	2 Per per Marine
M456 Cord, Detonating PETN Type I Class E	10 FT per Marine

RANGE/TRAINING AREA:

Facility Code 17430 Impact Area Dudded
Facility Code 17431 Impact Area Non-Dudded
Facility Code 17650 Field Artillery Direct Fire Range
Facility Code 17820 Engineer Qualification Range, Non-Standardized
Facility Code 17830 Light Demolition Range
Facility Code 17937 Aerial Bombing Range

EQUIPMENT: EOD Family of equipment.

UNITS/PERSONNEL: Corpsman with blast/burn trauma training

2300-TOOL-2004: Locate Buried Ordnance

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

DESCRIPTION: This task encompasses employing the following but not limited to: Active, passive, and low carbon detectors; and ground penetrating radar systems.

MOS PERFORMING: 2305, 2336

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT, WO-1, CWO-2, CWO-3, CWO-4, CWO-5, CAPT, MAJ, LTCOL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a search area.

STANDARD: In order to conduct subsurface survey.

PERFORMANCE STEPS:
1. Determine type of tool(s).
2. Prepare locator for use.
3. Search each segment systematically.
4. Mark suspected buried UXO.
5. Submit report.

REFERENCES:
1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

EQUIPMENT: Ordnance locator, power supply, digging tools, and marking equipment

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2300-TOOL-2005: Employ Robotics

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

MOS PERFORMING: 2305, 2336

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT, WO-1, CWO-2, CWO-3, CWO-4, CWO-5,

CAPT, MAJ, LTCOL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a mission.

STANDARD: In order to render safe the threat and/or hazard.

PERFORMANCE STEPS:
1. Conduct preventative maintenance checks and services.
2. Conduct functions check.
3. Conduct recon.
4. Navigate platform.
5. Emplace explosive charge/tool.
6. Detonate explosive charge/tool.
7. Validate results.
8. Submit report.

REFERENCES:
1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

ORDNANCE:

DODIC	Quantity
A011 Cartridge, 12 Gauge #00 Buckshot M16	3 Per per Marine
A017 Cartridge 12 Gauge #9 Shot	3 Per per Marine
AA54- Cartridge, 12 Gauge, Breaching, M103	2 Per per Marine
AA62 CTG, 12 GA, MK 274 UVS EOD USE	3 Per per Marine
AA63 CTG, 12 GA, MK 275 IEDSD EOD USE	3 Per per Marine
AA64- Cartridge, 12 Gauge Low Velocity Bla	3 Per per Marine
DWEC Cartridge, 12 Gauge, MK 277 MOD 0 (E	3 Per per Marine
DWED CTG, 12 Gauge, MK 279 Steel Slug	3 Per per Marine
DWEE CTG, 12 Gauge, MK 280 Aluminum Slug	3 Per per Marine
DWEI Pyrotechnic Lead Spool Assembly, MK	1000 FT per Marine
M023 Charge, Demolition Block M112 1-1/4	5 Per per Marine
M032 Charge, Demolition Block TNT 1-Pound	3 Per per Marine
M130 Cap, Blasting Electric M6	10 Per per Marine
M131 Cap, Blasting Non-Electric M7	10 Per per Marine
M456 Cord, Detonating PETN Type I Class E	25 Per per Marine
M980 Charge, Demolition Sheet 0.0831 Inch	1 FT per Marine
M981 Charge, Demolition Sheet 0.125 Inch	1 FT per Marine
MN08 Igniter, Time Blasting Fuse with Sho	10 Per per Marine
MN88 Cap, Blasting, 500 ft mini-tube M21	3 Per per Marine
MN90 Cap, Blasting, 1000 ft mini-tube M23	10 Roll per Marine

RANGE/TRAINING AREA:
Facility Code 17430 Impact Area Dudded
Facility Code 17431 Impact Area Non-Dudded
Facility Code 17502 Non-Standard Small Arms Range
Facility Code 17820 Engineer Qualification Range, Non-Standardized
Facility Code 17821 Engineer Qualification Range, Automated/Standardiz
Facility Code 17830 Light Demolition Range
Facility Code 17962 MOUT Collective Training Facility (Small)

Facility Code 17963 MOUT Collective Training Facility (Large)

EQUIPMENT: EOD Family of Equipment.

MATERIAL: In addition units need to open purchase Hydrojets, Mineral Water Bottles, Slim Jims, Boot Bangers, and Head Shots. These are employed using robotics.

OTHER SUPPORT REQUIREMENTS: Full time access to SIRPNET in every environment.

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: The EOD Technician need to complete the following when employing robotics:
1. Navigate obstacles.
2. Climb stairs.
3. Observe using cameras over, under, and around obstacles.
4. Open doors with either manipulation or energetically.
5. Emply robot either wirelessly or teathered.
6. Manipulate objects.
7. Employ CBRNE detection equipment.
8. Recover personnel.
9. Access an IED using a "gain access charge".
10. Render Safe and IED.
11. Blow in place IED.
12. Recover Components.
13. Preventative maintenance checks.
14. Internal 3rd echelon maintenance.

2300-TOOL-2006: Employ EOD disruption tools

EVALUATION-CODED: YES **SUSTAINMENT INTERVAL:** 12 months

DESCRIPTION: This event encompasses employing the following tools, but are not limited to: Mk 2 .50 Cal, percussion actuated neutralizer (PAN), Mk 40, small caliber dearmor (SCD), MK 171 light weight disposable disruptor, and Mk 42 medium directional energetic tool (MDET).

MOS PERFORMING: 2305, 2336

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT, WO-1, CWO-2, CWO-3, CWO-4, CWO-5, CAPT, MAJ, LTCOL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an explosive threat, equipment, and references.

STANDARD: To disrupt and render safe the threat.

PERFORMANCE STEPS:
1. Conduct mission analysis.
2. Determine appropriate tool.

3. Conduct preventative maintenance checks and services.
4. Conduct functions check.
5. Engage target(s).
6. Validate results.
7. Submit reports.

REFERENCES:
1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

ORDNANCE:

DODIC	Quantity
A091 Cartridge, Caliber .22 Ball Long Rif	2 Per per Marine
A363 Cartridge, 9mm Ball M882	2 Per per Marine
A555 Cartridge, Caliber .50 Ball M33 Link	2 Per per Marine
AA62 CTG, 12 GA, MK 274 UVS EOD USE	1 Per per Marine
AA63 CTG, 12 GA, MK 275 IEDSD EOD USE	1 Per per Marine
AA64- Cartridge, 12 Gauge Low Velocity Bla	1 Per per Marine
AX14 Primer, Percussion 12 Gauge W209	2 Per per Marine
DWEC Cartridge, 12 Gauge, MK 277 MOD 0 (E	1 Per per Marine
DWED CTG, 12 Gauge, MK 279 Steel Slug	1 Per per Marine
DWEE CTG, 12 Gauge, MK 280 Aluminum Slug	1 Per per Marine
DWEI Pyrotechnic Lead Spool Assembly, MK	1000 FT per Marine
DWGB Power Bag Container Assembly, EOD	2 Per per Marine
M131 Cap, Blasting Non-Electric M7	3 Per per Marine
M174 Cartridge, Caliber .50 Impulse Elect	3 Per per Marine
M456 Cord, Detonating PETN Type I Class E	10 FT per Marine
M670 Fuse, Blasting Time M700	12 FT per Marine
M980 Charge, Demolition Sheet 0.0831 Inch	2 FT per Marine
ML03 Firing Device, Demolition Multi-Purp	2 Per per Marine
MN08 Igniter, Time Blasting Fuse with Sho	2 Per per Marine

RANGE/TRAINING AREA:
Facility Code 17430 Impact Area Dudded
Facility Code 17431 Impact Area Non-Dudded
Facility Code 17820 Engineer Qualification Range, Non-Standardized
Facility Code 17830 Light Demolition Range

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS:
1 Shot with slug.
1 shot with steel shot.
1 shot with water.
2 shots using detonating cord and non-electric .50 caliber round.

2300-TOOL-2009: Employ Radiographic tools

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

DESCRIPTION: This event encompasses employing the following tools, but are not limited to: Mk 41 Advanced Radiographic System (ARS), Radiographic

Imaging System (RIS), and Mosaic Kit.

MOS PERFORMING: 2305, 2336

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT, WO-1, CWO-2, CWO-3, CWO-4, CWO-5, CAPT, MAJ, LTCOL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a target.

STANDARD: In order to obtain a comprehensible x-ray image.

PERFORMANCE STEPS:
1. Conduct mission analysis.
2. Determine appropriate tool.
3. Conduct preventative maintenance checks and services.
4. Conduct functions check.
5. Employ tool(s).

REFERENCES:
1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

EQUIPMENT: X-Ray, Field Processor, and enclosed training IED

2300-TOOL-2012: Employ the EOD MK 36 Non Magnetic Tool Set

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

MOS PERFORMING: 2305, 2336

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT, WO-1, CWO-2, CWO-3, CWO-4, CWO-5, CAPT, MAJ, LTCOL

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a magnetically influenced unexploded explosive ordnance.

STANDARD: In order to gain access without influencing the fuze firing system.

PERFORMANCE STEPS:
1. Observe applicable safeties.
2. Make approach.
3. Execute mission.

REFERENCES:
1. Applicable Marine Corps Orders and Directives
2. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

EQUIPMENT: EOD family of tools

2300-TOOL-2013: Employ the AN/PDX-2 (QDR Kit)

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

DESCRIPTION: This event encompasses employing the LRM, HRM, Identifinder, and UDR-15.

MOS PERFORMING: 2305, 2336

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT, WO-1, CWO-2, CWO-3, CWO-4, CWO-5, CAPT, MAJ, LTCOL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a source.

STANDARD: In order to gather applicable readings and locate the source of radiation.

PERFORMANCE STEPS:
1. DON appropriate PPE.
2. Make approach.
3. Determine isotope.
4. Locate originating radiation source.
5. Determine dosage rate.
6. Conduct inverse square law principle.
7. Determine stay time.
8. Record survey results.

REFERENCES:
1. AEODPS 60 Series Automated EOD Publication System

5004. MOS 2301 ADVANCED EOD INDIVIDUAL EVENTS

2301-ADMN-2001: Manage Class V

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

MOS PERFORMING: 2305, 2336

GRADES: SSGT, GYSGT, MSGT, MGYSGT, WO-1, CWO-2, CWO-3, CWO-4, CWO-5, CAPT, MAJ, LTCOL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an EOD mission.

STANDARD: To ensure allocation computation supports mission requirement.

PERFORMANCE STEPS:

1. Analyze requirement.
2. Identify required ammunition.
3. Requisition required ammunition.
4. Conduct proper storage, handling, and transportation of ammunition.
5. Submit an expenditure report.

REFERENCES:
1. Applicable Marine Corps Orders and Directives
2. AEODPS 60 Series Automated EOD Publication System
3. MCBul 8011 CLASS V(W) MATERIEL REQUIREMENTS FOR TRAINING, PROGRAMMED TESTING AND SECURITY

SUPPORT REQUIREMENTS:

EQUIPMENT: EOD Family of Equipment.

2301-ADMN-2002: Apply the Military Munitions Rule

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

MOS PERFORMING: 2305, 2336

GRADES: SSGT, GYSGT, MSGT, MGYSGT, WO-1, CWO-2, CWO-3, CWO-4, CWO-5, CAPT, MAJ, LTCOL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an EOD operation.

STANDARD: To ensure compliance with applicable laws/regulations.

PERFORMANCE STEPS:
1. Identify requirements.
2. Coordinate with outside agencies, if applicable.
3. Conduct operations.
4. Submit reports to required agencies.

REFERENCES:
1. Applicable Marine Corps Orders and Directives
2. Military Munitions Rule
3. AEODPS 60 Series Automated EOD Publication System

2301-ADMN-2003: Integrate EOD functions into Marine Corps Planning Process

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

DESCRIPTION: Integration should be to the maximum extent possible in order to understand and contribute to the process. Integration should include: mission analysis, Course of Action (COA) development, COA wargaming, COA comparison and decision, orders development, transition, briefing, and graphics, etc.

MOS PERFORMING: 2305, 2336

GRADES: MSGT, WO-1, CWO-2, CWO-3, CWO-4, CWO-5, CAPT, MAJ, LTCOL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given commander's initial guidance, battle space area evaluation, and an order.

STANDARD: To facilitate EOD efforts across the range of military operations.

PERFORMANCE STEPS:
1. Perform mission analysis.
2. Develop courses of action.
3. War game courses of action.
4. Compare courses of action.
5. Present COAs for decision.
6. Develop orders.
7. Transition to produce operations plan or order.
8. Develop branches and or sequels, if applicable.

REFERENCES:
1. MCDP 5 Planning
2. MCO 3000.18_ Marine Corps Force Deployment Planning and Execution (FDP&E) Manual
3. MCO 3120.9 Policy for Marine Expeditionary Unit
4. MCRP 5-1 Marine Corps Planning Process

2301-C2-2001: Manage command post

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

MOS PERFORMING: 2305, 2336

GRADES: GYSGT, MSGT, MGYSGT, WO-1, CWO-2, CWO-3, CWO-4, CWO-5, CAPT, MAJ, LTCOL

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a mission that requires EOD response.

STANDARD: In order to ensure on-scene command and control.

PERFORMANCE STEPS:
1. Establish command post.
2. Coordinate with internal/external agencies, when required.
3. Monitor situation, significant events, and CCIRs.
4. Obtain and disseminate information.
5. Brief status information.
6. Employ personnel/resources, as required.
7. Review reports.

REFERENCES:

1. Mobile Command Post Operator's Manual
2. HSPD-5 Homeland Security Presidential Directive-5
3. MCO 3571.2_ Explosive Ordnance Disposal (EOD) Program
4. NIMS National Incident Management System

2301-DEMO-2001: Employ Improvised Disruption Charges

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

MOS PERFORMING: 2305, 2336

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT, WO-1, CWO-2, CWO-3, CWO-4, CWO-5, CAPT, MAJ, LTCOL

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a target.

STANDARD: To render safe explosive device.

PERFORMANCE STEPS:
1. Evaluate target.
2. Determine charge to use.
3. Assemble charge.
4. Emplace charge.
5. Initiate charge.
6. Evaluate results.

REFERENCES:
1. AEODPS 60 Series Automated EOD Publication System
2. ATTP 3-90.15 Site Exploitation Operations
3. FM 5-25 Explosives and Demolitions
4. MCO 3502.3 Marine Expeditionary Unit (Special Operations Capable)
5. NAVSEA OP 5 Vol 1 Ammunition and Explosives/Ashore Safety Regulations of Handling, Storage, Production, Renovation and Shipping
6. NAVSEA SWO60-AA-MMA-010 Demolition Materials

SUPPORT REQUIREMENTS:

ORDNANCE:

DODIC	Quantity
DWEI Pyrotechnic Lead Spool Assembly, MK	1000 FT per Marine
G900 Grenade, Hand Incendiary Thermite AN	3 Per per Marine
M023 Charge, Demolition Block M112 1-1/4	5 Per per Marine
M032 Charge, Demolition Block TNT 1-Pound	3 Per per Marine
M130 Cap, Blasting Electric M6	5 Per per Marine
M131 Cap, Blasting Non-Electric M7	5 Per per Marine
M174 Cartridge, Caliber .50 Impulse Elect	2 Per per Marine
M456 Cord, Detonating PETN Type I Class E	50 FT per Marine
M591 Dynamite, Military M1	1 Per per Marine
M670 Fuse, Blasting Time M700	50 FT per Marine
M980 Charge, Demolition Sheet 0.0831 Inch	5 FT per Marine
M981 Charge, Demolition Sheet 0.125 Inch	5 FT per Marine

M982 Charge, Demolition Sheet 0.161 Inch	5 FT per Marine
M986 Sheet Explosive	2 FT per Marine
MM30 Charge, Flexible 20 Gram PETN MK140	3 Per per Marine
MN08 Igniter, Time Blasting Fuse with Sho	10 Per per Marine
MN88 Cap, Blasting, 500 ft mini-tube M21	1 Per per Marine
MN90 Cap, Blasting, 1000 ft mini-tube M23	1 Per per Marine
MU40 Cord, Detonating 400 Grains per Foot	2 FT per Marine
MU41 Cord, Detonating 200 Grains per Foot	2 FT per Marine
MU42 Cord, Detonating 100 Grains per Foot	2 FT per Marine

RANGE/TRAINING AREA:
Facility Code 17430 Impact Area Dudded
Facility Code 17431 Impact Area Non-Dudded
Facility Code 17710 Multipurpose Training Range (MPTR)
Facility Code 17830 Light Demolition Range
Facility Code 17962 MOUT Collective Training Facility (Small)
Facility Code 17963 MOUT Collective Training Facility (Large)

EQUIPMENT: EOD Family of equipment.

2301-DEMO-2002: Employ Commercial and/or Foreign Military Explosives

EVALUATION-CODED: NO **SUSTAINMENT INTERVAL:** 24 months

MOS PERFORMING: 2305, 2336

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT, WO-1, CWO-2, CWO-3, CWO-4, CWO-5, CAPT, MAJ, LTCOL

INITIAL TRAINING SETTING: MOJT

CONDITION: Given demolition materials.

STANDARD: In order to successfully perform EOD procedures.

PERFORMANCE STEPS:
1. Evaluate target.
2. Identify explosives.
3. Choose explosives.
4. Prepare explosives.
5. Emplace explosives.
6. Initiate charge.
7. Evaluate results.

REFERENCES:
1. Applicable Marine Corps Orders and Directives
2. AEODPS 60 Series Automated EOD Publication System
3. FM 5-25 Explosives and Demolitions
4. NAVSEA OP 5 Vol 1 Ammunition and Explosives/Ashore Safety Regulations of Handling, Storage, Production, Renovation and Shipping
5. NAVSEA SWO60-AA-MMA-010 Demolition Materials

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:
Facility Code 17430 Impact Area Dudded
Facility Code 17431 Impact Area Non-Dudded
Facility Code 17710 Multipurpose Training Range (MPTR)
Facility Code 17830 Light Demolition Range
Facility Code 17962 MOUT Collective Training Facility (Small)
Facility Code 17963 MOUT Collective Training Facility (Large)

EQUIPMENT: EOD family of tools

MATERIAL: Civilian or foriegn explosives

UNITS/PERSONNEL: Trauma Certified Corpsman

OTHER SUPPORT REQUIREMENTS: Acquisition process for civilian and foreign explosives needs to be established.

2301-IED-2001: Employ electronic countermeasures

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

MOS PERFORMING: 2305, 2336

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT, WO-1, CWO-2, CWO-3, CWO-4, CWO-5, CAPT, MAJ, LTCOL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a requirement.

STANDARD: To ensure the radio frequency threat is neutralized.

PERFORMANCE STEPS:
1. Prepare the electronic countermeasure for employment.
2. Place the electronic countermeasure.
3. Initiate the electronic countermeasure.

REFERENCES:
1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17410 Maneuver/Training Area, Light Forces

EQUIPMENT: T/O ECM Equipment

2301-INTL-2001: Perform a Post-Blast Analysis

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

DESCRIPTION: Post blast analysis encompasses the following EOD operations:

IED, WMD, and Conventional ordnance. Train personnel on the following categories: point of origin, tactical acuity, and fragmentation identification.

MOS PERFORMING: 2305, 2336

GRADES: SSGT, GYSGT, MSGT, WO-1, CWO-2, CWO-3, CWO-4, CWO-5, CAPT, MAJ, LTCOL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a detonation site.

STANDARD: In order to determine size, construct, and/or initiation of a detonation.

PERFORMANCE STEPS:
1. Secure scene.
2. Establish safe area.
3. Gather intelligence.
4. Search for secondary devices.
5. Process blast seat.
6. Collect items of interest.
7. Document site and materials.
8. Process evidence/reports.
9. Forward evidence/reports.

REFERENCES:
1. AEODPS 60 Series Automated EOD Publication System
2. ATTP 3-90.15 Site Exploitation Operations
3. MCO 3571.2_ Explosive Ordnance Disposal (EOD) Program
4. MCRP 3-17.2 Multiservice Procedures for Explosive Ordnance Disposal (NTTP) in a Joint Environment

SUPPORT REQUIREMENTS:

ORDNANCE:

DODIC	Quantity
B643 Cartridge, 60mm High Explosive M888	1 Per per Marine
C869 Cartridge, 81mm HE M889/M889A1 with	1 Per per Marine
D529 Projectile, 155mm High Explosive M79	1 Per per Marine
DA54 Projectile, 155mm HE (IMX-101) w/Sup	1 Per per Marine
DWEI Pyrotechnic Lead Spool Assembly, MK	1000 FT per Marine
K143 Mine, Antipersonnel M18A1 with M57 F	1 Per per Marine
K250 Mine, Antitank Heavy M19 Non-Metalli	1 Per per Marine
M023 Charge, Demolition Block M112 1-1/4	4 Per per Marine
M032 Charge, Demolition Block TNT 1-Pound	3 Per per Marine
M130 Cap, Blasting Electric M6	5 Per per Marine
M131 Cap, Blasting Non-Electric M7	5 Per per Marine
M456 Cord, Detonating PETN Type I Class E	100 FT per Marine
M591 Dynamite, Military M1	3 Per per Marine
M670 Fuse, Blasting Time M700	100 FT per Marine
M757 Charge, Assembly Demolition M183 Com	1 Per per Marine
MN08 Igniter, Time Blasting Fuse with Sho	6 Per per Marine

MN88 Cap, Blasting, 500 ft mini-tube M21	1 Per per Marine
MN90 Cap, Blasting, 1000 ft mini-tube M23	1 Per per Marine

RANGE/TRAINING AREA:
Facility Code 17410 Maneuver/Training Area, Light Forces
Facility Code 17430 Impact Area Dudded
Facility Code 17830 Light Demolition Range
Facility Code 17963 MOUT Collective Training Facility (Large)

EQUIPMENT: EOD Family of equipment

2301-INTL-2002: Conduct disassembly and inerting operations

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

DESCRIPTION: This event encompasses exploitation, stripping, first seen items, IED componentry, and components from post blast. Additionally, field technical evaluation, historical preservation, force protection, special programs, training, research and development, quality assurance programs, and produce training aids.

MOS PERFORMING: 2305, 2336

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT, WO-1, CWO-2, CWO-3, CWO-4, CWO-5, CAPT, MAJ, LTCOL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an ordnance item.

STANDARD: In order to provide intelligence and mitigate the threat.

PERFORMANCE STEPS:
1. Determine required tool/equipment.
2. Gather intelligence.
3. Develop procedures.
4. Submit procedures.
5. Prepare equipment.
6. Execute plan.
7. Verify procedures.
8. Determine disposition.
9. Submit report.

REFERENCES:
1. AEODPS 60 Series Automated EOD Publication System
2. Applicable technical references
3. MCO 3571.2_ Explosive Ordnance Disposal (EOD) Program
4. NAVSEA OP 5 Vol 1 Ammunition and Explosives/Ashore Safety Regulations of Handling, Storage, Production, Renovation and Shipping

SUPPORT REQUIREMENTS:

ORDNANCE:

DODIC		Quantity
B546	Cartridge, 40mm HEDP M433	1 Per per Marine
B643	Cartridge, 60mm High Explosive M888	1 Per per Marine
C869	Cartridge, 81mm HE M889/M889A1 with	1 Per per Marine
C995	Cartridge and Launcher, 84mm M136 AT	1 Per per Marine
M023	Charge, Demolition Block M112 1-1/4	2 Per per Marine
M131	Cap, Blasting Non-Electric M7	2 Per per Marine
M670	Fuse, Blasting Time M700	12 FT per Marine
MN08	Igniter, Time Blasting Fuse with Sho	2 Per per Marine

RANGE/TRAINING AREA: Facility Code 17710 Multipurpose Training Range (MPTR)

EQUIPMENT: EOD family of equipment.

2301-OPS-2001: Supervise EOD operations

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

DESCRIPTION: EOD operations include, but are not limited to: unexploded explosive ordnance, IED, WMD, conventional, exploitation, inerting, stripping, disassembly, and nuclear operations. Additionally this event supports Counter IED efforts, forensics, and exploitation analysis, targeting, and combating terrorism.

MOS PERFORMING: 2336

GRADES: SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a mission.

STANDARD: To ensure mission accomplishment.

PERFORMANCE STEPS:
1. Conduct mission analysis.
2. Identify logistical requirements.
3. Obtain equipment.
4. Coordinate with internal/external agencies.
5. Advise employment of specialized capabilities, if applicable.
6. Develop employment plan.
7. Task organize personnel.
8. Supervise execution effort.
9. Validate EOD reports.
10. Submit EOD reports.

REFERENCES:
1. AEODPS 60 Series Automated EOD Publication System
2. MCO 3571.2_ Explosive Ordnance Disposal (EOD) Program

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:
Facility Code 17410 Maneuver/Training Area, Light Forces
Facility Code 17963 MOUT Collective Training Facility (Large)

EQUIPMENT: Family of EOD Equipment

2301-OPS-2002: Manage EOD operations

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

DESCRIPTION: EOD operations include, but are not limited to: unexploded explosive ordnance, IED, WMD, conventional, exploitation, inerting, stripping, disassembly, ATFP, and nuclear operations. Additionally this event supports Counter IED efforts, forensics, exploitation analysis, combating terrorism, and targeting.

MOS PERFORMING: 2305, 2336

GRADES: MSGT, MGYSGT, WO-1

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a mission.

STANDARD: To ensure mission accomplishment.

PERFORMANCE STEPS:
1. Conduct mission analysis.
2. Develop an estimate of support.
3. Develop EOD Standing Operating Procedures (SOP).
4. Develop LOI.
5. Evaluate employment plan.
6. Approve employment plan.
7. Exercise mission plan.
8. Advise chain of command.
9. Manage EOD reports.

REFERENCES:
1. AEODPS 60 Series Automated EOD Publication System
2. MCO 3571.2_ Explosive Ordnance Disposal (EOD) Program

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:
Facility Code 17410 Maneuver/Training Area, Light Forces
Facility Code 17963 MOUT Collective Training Facility (Large)

EQUIPMENT: Family of EOD Equipment

2301-OPS-2003: Conduct Threat Assessment

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

MOS PERFORMING: 2305, 2336

GRADES: SSGT, GYSGT, MSGT, MGYSGT, WO-1, CWO-2, CWO-3, CWO-4, CWO-5, CAPT, MAJ

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given previous threat assessments, ordnance order of battle, references and intelligence.

STANDARD: To identify threat capabilities and courses of action in the time available.

PERFORMANCE STEPS:
1. Review previous threat assessments.
2. Review intelligence.
3. Identify threat capabilities.
4. Identify trends.
5. Assess each threat based on likelihood and potential consequences.
6. Prepare threat/risk assessment.
7. Brief threat assessment.

REFERENCES:
1. JP 3-07.2 Antiterrorism
2. MCO 3571.2_ Explosive Ordnance Disposal (EOD) Program
3. MCWP 2-3 MAGTF Intelligence Production and Analysis
4. NAVMC 3500.103 Marine Corps Antiterrorism Manual

2301-OPS-2004: Conduct Vulnerability Assessment

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

MOS PERFORMING: 2305, 2336

GRADES: SSGT, GYSGT, MSGT, MGYSGT, WO-1, CWO-2, CWO-3, CWO-4, CWO-5, CAPT, MAJ

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given previous threat assessments, ordnance order of battle, references and asset.

STANDARD: Identify how susceptible the asset is to a terrorist attack.

PERFORMANCE STEPS:
1. Review threat assessments.
2. Assess the susceptibility of asset to threat weapons.
3. Assess the degree of degradation from threat weapons.
4. Report findings.

REFERENCES:
1. JP 3-07.2 Antiterrorism
2. MCO 3571.2_ Explosive Ordnance Disposal (EOD) Program

3. MCWP 2-3 MAGTF Intelligence Production and Analysis
4. NAVMC 3500.103 Marine Corps Antiterrorism Manual

2301-OPS-2005: Employ advanced access/disablement techniques

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

DESCRIPTION: Alarm systems can be utilized as firing systems or as a means of protecting an explosive device. The EOD technician must be familiar with the operation/technologies utilized in locks and alarm system sensors and must have an understanding of how these systems are utilized/wired in order to successfully bypass/defeat the system.

MOS PERFORMING: 2305, 2336

GRADES: SSGT, GYSGT, MSGT, MGYSGT, WO-1, CWO-2, CWO-3, CWO-4, CWO-5, CAPT, MAJ, LTCOL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a requirement, facility, and system.

STANDARD: In order to gain access without triggering sensors.

PERFORMANCE STEPS:
1. Collect target intelligence.
2. Determine entry point.
3. Defeat locks.
4. Defeat alarms.
5. Defeat sensors.
6. Gain access mechanically, when required.
7. Gain access energetically, when required.
8. Conduct advanced access.
9. Defeat circuit(s).
10. Defeat target energetically.
11. Conduct precision disruption.
12. Defeat target using hand entry techniques, when required.
13. Collect evidence.
14. Submit reports.

REFERENCES:
1. AEODPS 60 Series Automated EOD Publication System
2. MCO 3571.2_ Explosive Ordnance Disposal (EOD) Program

SUPPORT REQUIREMENTS:

ROOMS/BUILDINGS: There is a requirement for EOD personnel to receive training on all commercial, industrial, security and military building structures to include locking mechanisms security sensors and alarms. This training must incorporate foreign and domestic standards.

EQUIPMENT: Assault Breacher Tool Kit, Lock Neutralization Kit, SOF Demolition Kit, Commercial locksmith database, Common EOD tools, and

personnel equipment/weapons.

MISCELLANEOUS:

SPECIAL PERSONNEL CERTS: Basic EOD Course, Electronic Training, CQB Course, Dynamic Entry, Tactical Carbine/Pistol Course, Alarm Defeat Courses, Lock-picking Courses, Clandestine Entry Courses, Sandia National Laboratory Training Packages, Idaho National Laboratory Training Packages

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2301-OPS-2006: Operate in confined spaces

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

MOS PERFORMING: 2305, 2336

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT, WO-1, CWO-2, CWO-3, CWO-4, CWO-5, CAPT, MAJ, LTCOL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a mission.

STANDARD: In order to safely perform required task.

PERFORMANCE STEPS:
1. Assess ~~hazards~~ components.
2. Perform operations check on equipment.
3. Conduct monitoring.
4. Determine PPE required.
5. Develop plan.
6. Don PPE, if applicable.
7. Execute mission.

REFERENCES:
1. AEODPS 60 Series Automated EOD Publication System

2301-OPS-2007: Conduct target analysis

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

DESCRIPTION: The EOD technician will assist with Target Analysis utilizing the CARVER method.

MOS PERFORMING: 2305, 2336

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT, WO-1, CWO-2, CWO-3, CWO-4, CWO-5, CAPT, MAJ, LTCOL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an environment.

STANDARD: In order to neutralize or destroy the threat.

PERFORMANCE STEPS:
1. Determine mission requirements.
2. Identify potential targets.
3. Determine appropriate assessments.
4. Synchronize target analysis.
5. Build target folder outline.

REFERENCES:
1. MCO 3571.2_ Explosive Ordnance Disposal (EOD) Program

MISCELLANEOUS:

SPECIAL PERSONNEL CERTS: Target Analysis Course

2301-PARA-2001: Conduct a low level static line jump

EVALUATION-CODED: NO **SUSTAINMENT INTERVAL:** 3 months

DESCRIPTION: This task applies to all EOD Officers and Technicians with A/MOS 8023 or serving in an EOD Company, MEU EOD Section, and MEF HQ.

MOS PERFORMING: 2305, 2336

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT, WO-1, CWO-2, CWO-3, CWO-4, CWO-5, CAPT, MAJ, LTCOL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an aircraft, a low level static line parachute, and combat equipment.

STANDARD: By landing safely on the designated drop zone with all equipment intact.

PERFORMANCE STEPS:
1. Prepare individual combat equipment for parachute operations.
2. Receive the jump brief.
3. Perform pre-jump training.
4. Don equipment.
5. Receive jump master personnel inspections.
6. Board aircraft.
7. Maintain control of static line.
8. React to jump commands
9. Execute in-flight emergency procedures as required.
10. Execute prescribe exit (Ramp or door).
11. Execute post opening procedures.
12. Execute post opening emergency procedures as required.
13. Prepare to land.
14. Execute landing procedures.
15. Execute post landing procedures.
16. Conduct actions on the objective.

REFERENCES:
1. MCO 3120.11 Marine Corps Parachuting Policy and Program Administration
2. MCWP 3-15.7 Static-Line Parachuting Techniques and Training
3. SOP Standard Operating Procedures (SOP)

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:
Facility Code 17440 Personnel/Equipment Drop Zone
Facility Code 17911 Air Transport Mockup
Facility Code 17912 Parachute Landing Fall Platform
Facility Code 17913 Suspended Harness Mockup
Facility Code 17914 Mockup Jump Tower

2301-PARA-2002: Conduct airborne operations in a double bag static-line configuration

EVALUATION-CODED: NO **SUSTAINMENT INTERVAL:** 3 months

DESCRIPTION: This task applies to all EOD Officers and Technicians with A/MOS 8023 or serving in an EOD Company, MEU EOD Section, and MEF HQ.

MOS PERFORMING: 2305, 2336

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT, WO-1, CWO-2, CWO-3, CWO-4, CWO-5, CAPT, MAJ, LTCOL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a high altitude high opening (HAHO) mission, a multi-mission parachute system, aircraft, and equipment.

STANDARD: Exiting the aircraft in a seated position presenting the pack tray to the relative wind and landing safely on the ground.

PERFORMANCE STEPS:
1. Prepare individual equipment.
2. Receive the jump brief.
3. Perform pre-jump training.
4. Don equipment.
5. Receive jump master personnel inspections.
6. Board aircraft.
7. React to jump commands.
8. Execute in-flight emergency procedures as required.
9. Execute exit emergency procedures, as required.
10. Execute post opening procedures.
11. Execute post opening emergency procedures as required.
12. Establish flight pattern.
13. Establish landing pattern.
14. Execute landing procedures.
15. Conduct emergency landing procedures, as required.
16. Execute post landing procedures.
17. Conduct link up procedures.

REFERENCES:
1. MCO 3120.11 Marine Corps Parachuting Policy and Program Administration
2. MCWP 3-15.7 Static-Line Parachuting Techniques and Training
3. SOP Standard Operating Procedures (SOP)

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:
Facility Code 17440 Personnel/Equipment Drop Zone
Facility Code 17911 Air Transport Mockup
Facility Code 17912 Parachute Landing Fall Platform
Facility Code 17913 Suspended Harness Mockup
Facility Code 17914 Mockup Jump Tower

2301-RSP-2001: Remove lodged projectile

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

MOS PERFORMING: 2305, 2336

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT, WO-1, CWO-2, CWO-3, CWO-4, CWO-5, CAPT, MAJ, LTCOL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a weapon system, projectile, and equipment.

STANDARD: To ensure the removal of the projectile with minimal damage to the weapon system.

PERFORMANCE STEPS:
1. Verify gun crew has performed stuck round procedures.
2. Determine appropriate procedures.
3. Determine safeties based on fuzing system.
4. Determine fragmentation and blast distances.
5. Remove projectile mechanically.
6. Remove projectile energetically, if required.
7. Validate procedures.
8. Submit report.

REFERENCES:
1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

ORDNANCE:

DODIC	Quantity
B546 Cartridge, 40mm HEDP M433	1 Per per Marine
B643 Cartridge, 60mm High Explosive M888	1 Per per Marine
C869 Cartridge, 81mm HE M889/M889A1 with	1 Per per Marine
DA54 Projectile, 155mm HE (IMX-101) w/Sup	2 Per per Marine
M023 Charge, Demolition Block M112 1-1/4	1 Per per Marine
M130 Cap, Blasting Electric M6	2 Per per Marine

M174 Cartridge, Caliber .50 Impulse Elect	1 Per per Marine
M456 Cord, Detonating PETN Type I Class E	1 FT per Marine

RANGE/TRAINING AREA:
Facility Code 17430 Impact Area Dudded
Facility Code 17431 Impact Area Non-Dudded
Facility Code 17670 Mortar Range
Facility Code 17671 Field Artillery Indirect Fire Range
Facility Code 17820 Engineer Qualification Range, Non-Standardized
Facility Code 17821 Engineer Qualification Range, Automated/Standardiz
Facility Code 17830 Light Demolition Range

EQUIPMENT: EOD Family of Equipment. M198/M777 Howitzer gun system, M224 60mm & M252 81mm Mortar systems and Mk19 Automatic Grenade Launcher

MATERIAL: Tape & water.

OTHER SUPPORT REQUIREMENTS: Large caliber foreign weapons.

2301-RSP-2002: Utilize low order techniques

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

MOS PERFORMING: 2305, 2336

GRADES: SSGT, GYSGT, MSGT, MGYSGT, WO-1, CWO-2, CWO-3, CWO-4, CWO-5, CAPT, MAJ, LTCOL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an ordnance item and demolition material.

STANDARD: To ensure deflagration of the explosives.

PERFORMANCE STEPS:
1. Identify ordnance type.
2. Select technique.
3. Position explosive or tool.
4. Initiate explosive or tool.

REFERENCES:
1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

ORDNANCE:

DODIC	Quantity
G900 Grenade, Hand Incendiary Thermite AN	6 Per per Marine
M023 Charge, Demolition Block M112 1-1/4	1 Per per Marine
M130 Cap, Blasting Electric M6	10 Per per Marine
M131 Cap, Blasting Non-Electric M7	2 Per per Marine
M474 Container, Demolition Charge MK1 Mod	1 Per per Marine
M475 Container, Demolition Charge MK2 Mod	1 Per per Marine

M476 Container, Demolition Charge MK3 Mod	1 Per per Marine
M477 Container, Demolition Charge MK7 Mod	1 Per per Marine
M478 Container, Demolition Charge MK7 Mod	1 Per per Marine
M479 Container, Demolition Charge MK7 Mod	1 Per per Marine
M480 Container, Demolition Charge MK7 Mod	1 Per per Marine
M481 Container, Demolition Charge MK7 Mod	1 Per per Marine
M482 Container, Demolition Charge MK7 Mod	1 Per per Marine
M483 Container, Demolition Charge MK7 Mod	1 Per per Marine
M484 Container, Demolition Charge MK7 Mod	1 Per per Marine
M670 Fuse, Blasting Time M700	25 Per per Marine
M980 Charge, Demolition Sheet 0.0831 Inch	1 FT per Marine
M981 Charge, Demolition Sheet 0.125 Inch	1 FT per Marine
M982 Charge, Demolition Sheet 0.161 Inch	1 FT per Marine
M986 Sheet Explosive	1 FT per Marine
ML04 Cutter, High Explosive MK23 Mod 0	1 Per per Marine
ML05 Cutter, High Explosive MK24 Mod 0	1 Per per Marine
MN08 Igniter, Time Blasting Fuse with Sho	3 Per per Marine
MN08 Igniter, Time Blasting Fuse with Sho	3 Per per Marine

RANGE/TRAINING AREA:
Facility Code 17430 Impact Area Dudded
Facility Code 17650 Field Artillery Direct Fire Range
Facility Code 17670 Mortar Range
Facility Code 17671 Field Artillery Indirect Fire Range
Facility Code 17820 Engineer Qualification Range, Non-Standardized
Facility Code 17821 Engineer Qualification Range, Automated/Standardiz
Facility Code 17830 Light Demolition Range

EQUIPMENT: EOD Family of equipment.

2301-RSP-2003: Download U.S. and Foreign Explosive Ordnance from Weapon Systems

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

DESCRIPTION: There are numerous explosive ~~hazards~~ components that can be encountered in the conduct of this event as follows: indirect/direct fire weapons, artillery, LAV, tanks aviation, and AAV/EFV. This also includes foreign systems.

MOS PERFORMING: 2305, 2336

GRADES: SSGT, GYSGT, MSGT, MGYSGT, WO-1, CWO-2, CWO-3, CWO-4, CWO-5, CAPT, MAJ, LTCOL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a loaded weapon system.

STANDARD: To ensure the safe recovery for reuse and/or intelligence.

PERFORMANCE STEPS:
1. Identify weapons platform/system.

2. Identify ordnance. components
3. Identify safeties/~~hazards~~.
4. Determine equipment.
5. Develop a plan in accordance with applicable manuals.
6. Execute plan.
7. Determine disposition.
8. Submit reports.

REFERENCES:
1. AEODPS 60 Series Automated EOD Publication System
2. Applicable technical references

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17830 Light Demolition Range

EQUIPMENT: U.S. and Foreign weapon systems.

2301-RSP-2004: Conduct EOD procedures on homemade energetic materials

EVALUATION-CODED: NO **SUSTAINMENT INTERVAL:** 24 months

DESCRIPTION: The mixing and detonating includes but is not limited to the following: homemade explosive categories: peroxides, chlorates, nitrates, fuel oxidizer mixtures, azides/fulminates, and nitroamines.

MOS PERFORMING: 2305, 2336

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT, WO-1, CWO-2, CWO-3, CWO-4, CWO-5, CAPT, MAJ, LTCOL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a clandestine laboratory.

STANDARD: In order execute render safe procedures.

PERFORMANCE STEPS:
1. Identify explosive and chemical components.
2. Identify precursors, product, processes, and post blast residue.
3. Select HME PPE.
4. Execute safety procedures.
5. Employ detection equipment.
6. Conduct energetic material/precursor handling techniques.
7. Conduct field detection techniques.
8. Manufacture primary/secondary materials.
9. Manufacture improvised initiators, when required.
10. Perform field susceptibility.
11. Perform energetic material sampling, desensitization, collection, and categorization.
12. Employ energetic tools.
13. Conduct sampling from a post blast components.
14. Execute disposition of explosive ~~hazards/~~waste chemicals.

REFERENCES:
1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17830 Light Demolition Range

EQUIPMENT: EOD family of equipment, Chemical precursors, Hazardous Materials Storage Containers, synthesis/mixing equipment, desensitizing chemicals, emergency wash stations, ice source, generators, water source, lighting, tents, tables with non-conductive surfaces, electrical grounding equipment, witness plates, scales, thermometers, ESD bags and containers.

MISCELLANEOUS: Energetic materials that could be synthesized and/or categorized:

1. Monomolecular Peroxides
   -Triacetone Triperoxide (TATP)
   -hexamethylenetriperoxidediamaine (HMTD)
   -Methyl Ethyl Ketone Peroxide (MEKP)

2. Azides/Fulminates
   -Lead Azide
   -Mercury Fulminate

3. Nitrate Esters
   -Nitroglycerine
   -Erythritol Tetranitrate (ETN)
   -Ethylene Glycol Dinitrate (EGDN)
   -Propylene Glycol Dinitrate (PGDN)
   -Methyl Nitrate
   -Nitro Cellulose
   -Pentaerythritol Tetranitrate (PETN)
   -Mannitol Hexanitrate
   -Sorbitol Hexanitrate

4. Nitroamines and relates substances
   -Cyclotrimethylenetrinitramine (RDX)
   -Cyclotrimethylenetrinitrosamine (R-Salt)
   -Urea Nitrate

5. Aromatic Nitro Compounds
   -Picric Acid

6. Fuel Oxidizer mixtures.
   -Ammonium Nitrate and fuel mixes
   -Chlorate and fuel mixes
   -Perchlorate and fuel mixes
   -Hydrogen Peroxide and fuel mixes
   -Metal and Oxide mixes (thermites)
   -Nitromethane explosives and sensitizers

2301-RSP-2005: Gain Vehicle Access

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

MOS PERFORMING: 2305, 2336

GRADES: SSGT, GYSGT, MSGT, MGYSGT, WO-1, CWO-2, CWO-3, CWO-4, CWO-5, CAPT, MAJ, LTCOL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a target.

STANDARD: To successfully gain access and search the target area.

PERFORMANCE STEPS:
1. Identify target.
2. Develop course of action.
3. Determine appropriate Class V (W) requirement.
4. Determine required equipment/material.
5. Employ procedure(s).
6. Evaluate results.

REFERENCES:
1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

ORDNANCE:

DODIC	Quantity
DWEI Pyrotechnic Lead Spool Assembly, MK	1000 FT per Marine
M023 Charge, Demolition Block M112 1-1/4	1 Per per Marine
M130 Cap, Blasting Electric M6	5 Per per Marine
M456 Cord, Detonating PETN Type I Class E	50 FT per Marine
M981 Charge, Demolition Sheet 0.125 Inch	4 FT per Marine
MN08 Igniter, Time Blasting Fuse with Sho	5 Per per Marine
MN90 Cap, Blasting, 1000 ft mini-tube M23	1 Per per Marine

RANGE/TRAINING AREA:
Facility Code 17430 Impact Area Dudded
Facility Code 17431 Impact Area Non-Dudded
Facility Code 17830 Light Demolition Range

EQUIPMENT: Vehicle, EOD family of equipment, and applicable charge containers.

MATERIAL: Unit purchased Hydrojets, Mineral Water Bottles, Boot Bangers, Slim Jims, & Head Shot.

2301-RSP-2006: Employ Standoff Munitions Disruption

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

MOS PERFORMING: 2305, 2336

GRADES: SSGT, GYSGT, MSGT, MGYSGT, WO-1, CWO-2, CWO-3, CWO-4, CWO-5, CAPT, MAJ, LTCOL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a mission, range and ordnance.

STANDARD: In order to disrupt explosive ordnance.

PERFORMANCE STEPS:
1. Identify ordnance.
2. Select appropriate weapon system.
3. Determine safe area.
4. Evaluate environmental conditions.
5. Employ weapon system.
6. Verify results.

REFERENCES:
1. AEODPS 60 Series Automated EOD Publication System
2. Applicable technical references

SUPPORT REQUIREMENTS:

ORDNANCE:

DODIC	Quantity
A555 Cartridge, Caliber .50 Ball M33 Link	180 Per per Section
A606 Cartridge, Caliber .50 API MK211 Mod	10 Per per Section
AA11 Cartridge, 7.62mm Long Range M118 LR	40 Per per Section

RANGE/TRAINING AREA:
Facility Code 17430 Impact Area Dudded
Facility Code 17431 Impact Area Non-Dudded
Facility Code 17560 Sniper Field-Fire Range
Facility Code 17970 Radar-Bomb-Scoring Facility

EQUIPMENT: EOD Family of equipment

2301-RSP-2007: Employ volumetric charges

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

BILLETS: EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT, WO-1, CWO-2, CWO-3, CWO-4, CWO-5, CAPT, MAJ

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a target.

STANDARD: In order to disrupt circuitry.

PERFORMANCE STEPS:
1. Identify the characteristics of target.

2. Determine type of disruption charge required.
3. Determine appropriate charge.
4. Construct charge.
5. Determine emplacement method.
6. Emplace charge.
7. Verify results.

REFERENCES:
1. AEODPS 60 Series Automated EOD Publication System
2. NAVSEA OP 5 Vol 1 Ammunition and Explosives/Ashore Safety Regulations of Handling, Storage, Production, Renovation and Shipping

SUPPORT REQUIREMENTS:

ORDNANCE:

DODIC	Quantity
DWEI Pyrotechnic Lead Spool Assembly, MK	1 Per per Marine
M023 Charge, Demolition Block M112 1-1/4	3 Per per Marine
M130 Cap, Blasting Electric M6	3 Per per Marine
M131 Cap, Blasting Non-Electric M7	6 Per per Marine
M456 Cord, Detonating PETN Type I Class E	20 FT per Marine
M670 Fuse, Blasting Time M700	12 FT per Marine
M980 Charge, Demolition Sheet 0.0831 Inch	2 FT per Marine
M981 Charge, Demolition Sheet 0.125 Inch	2 FT per Marine
MN08 Igniter, Time Blasting Fuse with Sho	10 Per per Marine
MN88 Cap, Blasting, 500 ft mini-tube M21	5 Per per Marine
MN90 Cap, Blasting, 1000 ft mini-tube M23	5 Per per Marine

RANGE/TRAINING AREA:
Facility Code 17430 Impact Area Dudded
Facility Code 17431 Impact Area Non-Dudded
Facility Code 17820 Engineer Qualification Range, Non-Standardized
Facility Code 17830 Light Demolition Range

EQUIPMENT: EOD Family of Equipment.

MATERIAL: Units to open purchase Hydrojets, Large and Small Mineral Water Bottles, Boot Bangers, Slim Jims, and Head Shots as referenced in the EOD 60 Series Publications.

UNITS/PERSONNEL: Corpsman with Trauma Training

2301-SOF-2001: Conduct Clandestine operations

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

DESCRIPTION: The EOD technician must be prepared to work as part of a small advanced specialized team wearing non-standard uniforms and grooming standards. He must be able to organize, transport and utilize select tools that are worn and used in a clandestine environment.

MOS PERFORMING: 2305, 2336

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT, WO-1, CWO-2, CWO-3, CWO-4, CWO-5, CAPT, MAJ

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a requirement.

STANDARD: In order to integrate into a combined government, military, or SOF task forces or part of an ASO/TSO qualified team.

PERFORMANCE STEPS:
1. Determine applicable equipment.
2. Prepare equipment in accordance with regional guidance.
3. Conduct EOD actions without being compromised.

REFERENCES:
1. MCO 3571.2_ Explosive Ordnance Disposal (EOD) Program

2301-TRNG-2001: Conduct Unit Training

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

MOS PERFORMING: 2305, 2336

GRADES: SSGT, GYSGT, MSGT, MGYSGT, WO-1, CWO-2, CWO-3, CWO-4, CWO-5, CAPT, MAJ

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a unit, required external support, equipment and a mission.

STANDARD: To ensure the individual and collective training tasks are performed to standard.

PERFORMANCE STEPS:
1. Review the training standard to determine required resources and the most appropriate method(s) for delivering instruction.
2. Determine required resources.
3. Request the required resources.
4. Prepare a training outline.
5. Prepare the training area.
6. Prepare ORM.
7. Assemble the target audience.
8. Explain the training standard.
9. Conduct a safety brief.
10. Conduct the instruction.
11. Evaluate the performance.
12. Remediate Marines that do not master the training standard.
13. Conduct debrief.
14. Identify follow on training requirements.
15. Update individual training records.

REFERENCES:

1. MCO 3571.2_ Explosive Ordnance Disposal (EOD) Program
2. MCRP 3-0B How to Conduct Training

EOD T&R MANUAL

CHAPTER 6

MOE SPECIAL SKILLS EVENTS

CHAPTER 6

METHODS OF ENTRY SPECIAL SKILLS EVENTS

6000. PURPOSE. This chapter details the individual Methods of Entry events that pertain to selected individuals from the following MOS's; 0307, 0321, 2305, 2336, 5815, 5816, 8152, and 8154. This training is designed to provide methods of entry skill sets to MARSOC, Special Operations Training Group, Force Reconnaissance, Marine Security Force Battalions, Military Police Special Response Teams, and Explosive Ordnance Disposal Teams.

Marines conducting these T&R events must be graduates of the Methods of Entry Course respectively, be serving in a breacher billet, and be certified in writing by their Commanding Officer as a Methods of Entry Breacher.

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 codes:

Code	Description
MOE	Methods of Entry

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

Code	Description
BCHR	Breacher

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

Code	Description
2000	Core Plus Skills

6002. INDEX OF INDIVIDUAL EVENTS

MOE-BCHR-2008	Conduct a Manual Breach	6-9

6003. 2000-LEVEL EVENTS

MOE-BCHR-2001: Plan a Dynamic Entry

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

DESCRIPTION: Upon receipt of a Warning Order, the Breacher is expected to use pertinent intelligence in the analysis and planning of the dynamic entry portion of a mission.

MOS PERFORMING: 0307, 0321, 2305, 2336, 5815, 5816, 8152, 8154

BILLETS: Methods of Entry Breacher

GRADES: CPL, SGT, SSGT, GYSGT, MSGT, WO-1, CWO-2, 2NDLT, 1STLT, CAPT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given the requirement, mission intelligence, and the references.

STANDARD: To support the scheme of maneuver, satisfy commander's intent and provide the team with mission essential information.

PERFORMANCE STEPS:
1. Determine mission requirements.
2. Assess the target.
3. Assess the hazards.
4. Determine the method of entry to be used.
5. Determine the required equipment.

REFERENCES:
1. Local Unit SOPs
2. MCO 3500.27_ Operational Risk Management (ORM)
3. Methods of Entry Breachers Log Book
4. SWO 60-AA-MMA-010 Demolition Materials

MISCELLANEOUS:

SPECIAL PERSONNEL CERTS: Marines conducting this event must be qualified and certified as a Methods of Entry Breacher.

MOE-BCHR-2002: Prepare for a Dynamic Entry

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

DESCRIPTION: This event encompasses the preparations conducted concurrently with mission planning and immediately following the completion of planning. The Breacher is expected to utilize manual, mechanical, ballistic, thermal, and explosive tools and techniques.

MOS PERFORMING: 0307, 0321, 2305, 2336, 5815, 5816, 8152, 8154

BILLETS: Methods of Entry Breacher

GRADES: CPL, SGT, SSGT, GYSGT, MSGT, WO-1, CWO-2, 2NDLT, 1STLT, CAPT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a requirement, mission intelligence, breacher's equipment, Class V, and the references.

STANDARD: To ensure the assault team is ready to execute the mission.

PERFORMANCE STEPS:
1. Determine breaching equipment/Class V required.
2. Gather Class V materials (as required).
3. Construct charges (as required).
4. Construct priming systems (as required).
5. Prepare manual equipment (as required).
6. Prepare mechanical equipment (as required).
7. Prepare ballistic equipment (as required).
8. Prepare thermal equipment (as required).
9. Conduct a breacher's brief.
10. Conduct rehearsals.
11. Conduct inspections.

PREREQUISITE EVENTS: MOES-BCHR-2001

REFERENCES:
1. Local Unit SOPs
2. Methods of Entry Breachers Log Book
3. STIHL TS Series Cut off saw operators manual
4. SWO 60-AA-MMA-010 Demolition Materials
5. TCTK - 2006 Tactical Cutting Torch Kits Operating Instructions Manual (July 2006)
6. TM 10003A/07172A/09081A-13&P Remington and Mossberg Shotgun Operators Manual
7. TM 10698A-10/1 M1014A Operators Manual

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17830 Light Demolition Range

EQUIPMENT: Marine Assault Breacher's Kit (MABK) (NSN: 4240-01-531-1165), Personal Protective Equipment (PPE), Shotgun (Mossberg Model 590, Remington 870, or Benelli 1014), Full Spectrum Battle Equipment (FSBE) TAMCN: C35012E.

MATERIAL: Scientific calculator, E-silhouette targets, Non-Metallic prop stick, Goodyear 330B rubber, 1000 ml IV bags, 550 cord, and spray adhesive.

UNITS/PERSONNEL: Trauma qualified Corpsman

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: Class V for this event will be obtained from MOES-BCHR-2004 Conduct an explosive breach.

SPECIAL PERSONNEL CERTS: Marines conducting this event must be qualified and certified as a Methods of Entry Breacher.

MOE-BCHR-2004: Conduct an Explosive Breach

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

DESCRIPTION: This event encompasses the Breacher's actions in the Last Covered and Concealed (LCC) position, actions on the objective, and actions immediately following conclusion of the assault. The Breacher is expected to utilize explosive tools and techniques and record charge and charge effects within the charge report.

MOS PERFORMING: 0307, 0321, 2305, 2336, 5815, 5816, 8152, 8154

BILLETS: Methods of Entry Breacher

GRADES: CPL, SGT, SSGT, GYSGT, MSGT, WO-1, CWO-2, 2NDLT, 1STLT, CAPT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a requirement, charge, target, mission intelligence, and the references.

STANDARD: To allow unobstructed entry of the assault team while minimizing collateral damage and hazards to personnel.

PERFORMANCE STEPS:
1. Prepare to employ a charge.
2. Employ a charge.
3. Conduct post-assault actions.
4. Complete a charge report.

PREREQUISITE EVENTS:
MOES-BCHR-2001 MOES-BCHR-2002

REFERENCES:
1. Local Unit SOPs
2. SWO 60-AA-MMA-010 Demolition Materials

SUPPORT REQUIREMENTS:

ORDNANCE:

DODIC	Quantity
AX14 Primer, Percussion 12 Gauge W209	20 primers per Marine
M023 Charge, Demolition Block M112 1-1/4	5 charges per Marine
M130 Cap, Blasting Electric M6	4 blasting caps per Marine
M456 Cord, Detonating PETN Type I Class E	100 FT per Marine
M980 Charge, Demolition Sheet 0.0831 Inch	3 FT per Marine
M981 Charge, Demolition Sheet 0.125 Inch	3 FT per Marine

M982 Charge, Demolition Sheet 0.161 Inch	7 FT per Marine
MM30 Charge, Flexible 20 Gram PETN MK140	10 charges per Marine
MM44 Charge, Demolition Flexible Linear S	3 charges per Marine
MM45- Change. Demo Flex Linear Shaped 125	3 charges per Marine
MM46 Charge, Demolition Flexible Linear S	3 charges per Marine
MM47 Charge, Demolition Flexible Linear S	3 charges per Marine
MM51 Charge, Demolition Low Hazard MK143	15 FT per Marine
MN08 Igniter, Time Blasting Fuse with Sho	20 igniters per Marine
MN52 MK154 Mod 0	15 Roll per Marine
MU40 Cord, Detonating 400 Grains per Foot	2 FT per Marine
MU42 Cord, Detonating 100 Grains per Foot	20 FT per Marine

RANGE/TRAINING AREA: Facility Code 17830 Light Demolition Range

EQUIPMENT: Marine Assault Breacher's Kit (MABK) (NSN: 4240-01-531-1165), Personal Protective Equipment (PPE), Full Spectrum Battle Equipment (FSBE) TAMCN: C35012E.

MATERIAL: Local unit mission specific target material [i.e.: doors (wood or metal), door knobs, windows (double hung, plate, or casement), fences, roofs, masonary (mud brick, block, rebar-reinforced block, and solid concrete walls), domestic residence walls, and shipboard hull/bulkhead/hatches].

UNITS/PERSONNEL: Trauma qualified Corpsman

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: Commanders will ensure that Marines conducting these events are in compliance with NAVMC Directive 5100.8: MARINE CORPS OCCUPATIONAL SAFETY AND HEALTH (OSH) PROGRAM MANUAL; Chapter 16.

SPECIAL PERSONNEL CERTS: Marines conducting this event must be qualified and certified as a Methods of Entry Breacher.

MOE-BCHR-2005: Conduct a Mechanical Breach

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

DESCRIPTION: This event encompasses the Breacher's actions in the Last Covered and Concealed (LCC) position, actions on the objective, and actions immediately following conclusion of the assault. The Breacher is expected to use the cut-off saw.

MOS PERFORMING: 0307, 0321, 2305, 2336, 5815, 5816, 8152, 8154

BILLETS: Methods of Entry Breacher

GRADES: CPL, SGT, SSGT, GYSGT, MSGT, WO-1, CWO-2, 2NDLT, 1STLT, CAPT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a requirement, mechanical equipment, target, mission intelligence, and the references.

STANDARD: To allow unobstructed entry of the assault team while minimizing collateral damage and hazards to personnel.

PERFORMANCE STEPS:
1. Conduct pre-employment checks of mechanical equipment.
2. Employ mechanical equipment.
3. Conduct post-assault actions.

REFERENCES:
1. Local Unit SOPs
2. Methods of Entry Breachers Log Book
3. STIHL TS Series Cut off saw operators manual

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17830 Light Demolition Range

EQUIPMENT: Marine Assault Breacher's Kit (MABK) (NSN: 4240-01-531-1165), Personal Protective Equipment (PPE), Full Spectrum Battle Equipment (FSBE) TAMCN: C35012E.

MATERIAL: Local unit mission specific target material [i.e.: doors (wood or metal), door knobs, rebar, wooden 2x4, maritime ships hatch NSN: 2040009928453 and/or 2040005556380, 4x8 foot sheet of 1/8 inch hot rolled steel, or suitable substitute].

MISCELLANEOUS:

SPECIAL PERSONNEL CERTS: Marines conducting this event must be qualified and certified as a Methods of Entry Breacher.

MOE-BCHR-2006: Conduct a Ballistic Breach

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

DESCRIPTION: This event encompasses the Breacher's actions in the Last Covered and Concealed (LCC) position, actions on the objective, and actions immediately following conclusion of the assault. The Breacher is expected to use one of the following shotguns to accomplish this task: Mossberg model 590, Remington model 870, Benelli M1014 Combat Shotgun.

MOS PERFORMING: 0307, 0321, 2305, 2336, 5815, 5816, 8152, 8154

BILLETS: Methods of Entry Breacher

GRADES: CPL, SGT, SSGT, GYSGT, MSGT, WO-1, CWO-2, 2NDLT, 1STLT, CAPT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a requirement, ballistic equipment, target, mission

intelligence, and the references.

STANDARD: To allow unobstructed entry of the assault team while minimizing collateral damage and hazards to personnel.

PERFORMANCE STEPS:
1. Prepare to employ ballistic equipment.
2. Employ ballistic equipment.
3. Conduct post-assault actions.

REFERENCES:
1. Local Unit SOPs
2. Methods of Entry Breachers Log Book
3. TM 10003A/07172A/09081A-13&P Remington and Mossberg Shotgun Operators Manual
4. TM 10698A-10/1 M1014A Operators Manual

SUPPORT REQUIREMENTS:

ORDNANCE:

DODIC	Quantity
AA54 Cartridge, 12 Gauge, Breaching, M103	40 rounds per Marine

RANGE/TRAINING AREA:
Facility Code 17502 Non-Standard Small Arms Range
Facility Code 17830 Light Demolition Range

EQUIPMENT: Marine Assault Breacher's Kit (MABK) (NSN: 4240-01-531-1165), Personal Protective Equipment (PPE), Shotgun (Mossberg model 590, Remington model 870, or Benelli M1014), Full Spectrum Battle Equipment (FSBE) TAMCN: C35012E.

MATERIAL: Doors (wood or metal), door knobs, deadbolts, and hinges.

UNITS/PERSONNEL: Trauma qualified Corpsman

MISCELLANEOUS:

SPECIAL PERSONNEL CERTS: Marines conducting this event must be qualified and certified as a Methods of Entry Breacher.

MOE-BCHR-2007: Conduct a Thermal Breach

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

DESCRIPTION: This event encompasses the Breacher's actions in the Last Covered and Concealed (LCC) position, actions on the objective, and actions immediately following conclusion of the assault. The Breacher is expected to use a Tactical Cutting Torch to accomplish this task.

MOS PERFORMING: 0307, 0321, 2305, 2336, 5815, 5816, 8152, 8154

BILLETS: Methods of Entry Breacher

GRADES: CPL, SGT, SSGT, GYSGT, MSGT, WO-1, CWO-2, 2NDLT, 1STLT, CAPT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a requirement, tactical cutting torch, target, mission intelligence, and the references.

STANDARD: To allow unobstructed entry of the assault team while minimizing collateral damage and hazards to personnel.

PERFORMANCE STEPS:
1. Prepare to employ a tactical cutting torch.
2. Employ a tactical cutting torch.
3. Conduct post-assault actions.

REFERENCES:
1. Local Unit SOPs
2. Methods of Entry Breachers Log Book
3. TCTK - 2006 Tactical Cutting Torch Kits Operating Instructions Manual (July 2006)

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17830 Light Demolition Range

EQUIPMENT: Marine Assault Breacher's Kit (MABK) (NSN: 4240-01-531-1165), Personal Protective Equipment (PPE), Full Spectrum Battle Equipment (FSBE) TAMCN: C35012E.

MATERIAL: Local unit mission specific target material (i.e.: Maritime ship hatch: NSNs 2040009928453 and/or 2040005556380, 4x8 foot sheet of 1/4 inch hot rolled steel, or other suitable substitute).

UNITS/PERSONNEL: Trauma qualified Corpsman

MISCELLANEOUS:

SPECIAL PERSONNEL CERTS: Marines conducting this event must be qualified and certified as a Methods of Entry Breacher.

MOE-BCHR-2008: Conduct a Manual Breach

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

DESCRIPTION: This event encompasses the Breacher's actions in the Last Covered and Concealed (LCC) position, actions on the objective, and actions immediately following conclusion of the assault. The Breacher is expected to use one or more of the following to accomplish this task: Halligan tool, battering ram, sledgehammer, bolt cutters.

MOS PERFORMING: 0307, 0321, 2305, 2336, 5815, 5816, 8152, 8154

BILLETS: Methods of Entry Breacher

GRADES: CPL, SGT, SSGT, GYSGT, MSGT, WO-1, CWO-2, 2NDLT, 1STLT, CAPT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a requirement, manual equipment, target, mission intelligence, and the references.

STANDARD: To allow unobstructed entry of the assault team while minimizing collateral damage and hazards to personnel.

PERFORMANCE STEPS:
1. Conduct pre-employment checks of manual equipment.
2. Employ manual equipment.
3. Conduct post-assault actions.

REFERENCES:
1. Local Unit SOPs
2. Methods of Entry Breachers Log Book

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17830 Light Demolition Range

EQUIPMENT: Marine Assault Breacher's Kit (MABK) (NSN: 4240-01-531-1165), Personal Protective Equipment (PPE), Full Spectrum Battle Equipment (FSBE) TAMCN: C35012E.

MATERIAL: Doors (wood or metal), door knobs, deadbolts, windows (double hung, plate, or casement), chain linked fence.

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: Re-breachable door and window trainers are a cost effective and suitable substitute for actual target material in a training environment.

SPECIAL PERSONNEL CERTS: Marines conducting this event must be qualified and certified as a Methods of Entry Breacher.

EOD T&R MANUAL

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
MCPP . . . . . Marine Corps Planning Process
MCPDS . . . . . Marine Corps Publication Distribution System
MCPEL . . . . . 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

PAO . . . . . .Public 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

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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, UJTL, UNTL, and MCTL. For community based T&R Manuals, an occupational field METL is developed to focus the community's collective training standards. Commanders develop their unit METL from the service-level METL, operational plans, contingency plans, and SOPs.

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.

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APPENDIX C

CAREER PROGRESSION PHILOSOPHY

The EOD career progression philosophy is to provide a structured and progressive career education plan designed to produce a highly capable EOD Technician that can support the entire spectrum of warfare placing emphasis on the Marine Air Ground Task Force (MAGTF). This plan starts with the basic EOD Course that provides the core skills (1000 level) which are sustained and built upon by unit training and formal schools.

a. The Basic EOD Technician must be developed into a non-liner thinker who has a vision for the future. They must be able to immediately assume a position within and EOD element and be functional, while continuing their EOD education through core plus skills (2000-4000 level). Unit sustainment training and formal schools will improve their technical and tactical ability. The Basic EOD Technician must pursue an aggressive professional training regimen in order to be successful in this career field. The Marine that has graduated the Basic EOD Course at NAVSCOLEDOD and that has completed all required pre-deployment training identified by the command and EOD leadership will be considered combat capable.

b. The Senior EOD Technician will be expected to perform the duties of team leader of an EOD response team during independent operations and to assume positions of leadership within a MAGTF element, provide technical expertise to the commander and staff sections (4000-6000 level). This philosophy will further prepare them for a transition to the Master EOD Technician. The Senior EOD Technician has graduated the Basic EOD Course at NAVSCOLEOD and enhanced their training by mastering all Collective and Individual Events listed in the EOD T&R Manual. This Marine must garner deployed operational experience. This Marine will be ready to assume the role of a Response Element Leader or Assistant Section Leader.

c. The Master EOD Technician will be a true artisan of the EOD trade and be able to function in both a staff and operational capacity (6000-7000 level). The Master EOD Technician will receive specialized training that will compliment core, core plus skill and formal training in order to support operations at the MAGTF, MARFOR, Service, Theater, National, supporting establishment and external agencies. This combat qualified Marine will have acquired advanced training in numerous areas of EOD expertise. They are capable of supervising the full spectrum of EOD operations. They will be familiar with all aspects of the MAGTF and each individual component’s need for EOD. At a minimum, this combat qualified Marine will be ready to assume the role of EOD Section leader and provide that synergy between the supported Command and EOD Section while conducting tactical operations.

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APPENDIX D

CLASS V(W) REQUIRED FOR EOD TRAINING

1. The Class V listed in this appendix is required to train both the individual collective events.

MEMORANDUM 3 Feb 2014

From: Training Ammunition Branch, TECOM G4
Subj: AMMUNITION BRANCH ANALYSIS FOR EOD T&R

Encl: (1) Proposed Ammo Appendix format for EOD T&R

1. TECOM G4 Ammo Branch has conducted a cost and supportability analysis for the subject T&R Ammunition Appendix.

2. Cost analysis: The annual cost for sustainment training ammunition for the total force is $22,285,244 using current year prices. This is an increase of $8,926,309 above the current allowance of $15,729,617.

3. This increase is attributed primarily to the increase in eight DODICs (listed below).

A059	Cartridge, 5.56mm Ball M855 10/Clip	$528,383
B643	Cartridge, 60mm High Explosive M888	$1,214,501
BA14	Cartridge, 60mm Smoke White Phosphorus M722A1	$1,327,632
C995	Cartridge and Launcher, 84mm M136 AT4	$850,830
DA54	Projectile, 155mm HE (IMX0101) w/Supp Charge	$3,315,155
DWEI	Pyrotechnic Initiator MK34 Mod 0	$771,216
M421	Charge, Demolition Shaped M3 Series 40 Pound	$907,815
M986	Charge, Demolition Sheet 0.333 Inch Thick	$1,029,458

4. If approved as written, collectively 7,213 New Mortar and Artillery projectiles (B643, BA14 & DA54) will be destroyed during EOD individual sustainment training at a cost of $5,857,288. Recommend this be reduced to one (1) per individual or 801 annually.

5. Incorporation of new ammo allowance: Ammunition Allowance changes will be made once this T&R is approved. Notification must be made to TECOM G4 Ammo Branch to initiate the approved change. The new allowances will be processed during the normal POM submission cycle. For new items, procurement lead time is normally 24 - 36 months after the POM approval. The availability of the new items will vary from item to item. For items supportable with the current ammunition inventory, the new allowance will be incorporated in the following FY update to the Detailed Allowance Report (DAR) and available for use starting 1 October. If the new allowance is needed sooner, coordination must be made with the Ammo Branch to incorporate the new allowance in the current year DAR.

6. The point of contact for this analysis is Major Bill Lanham, 703 784-3711.

DODIC	QUANTITIES INDIVIDUAL TRAINING	X 9 MARINES PER SECTION	QUANTITIES COLLECTIVE TRAINING	TOTAL FOR SECTION TRAINING	TOTAL CLASS V FOR 89 EOD SECTIONS
A011	3	27	0	27	2,403
A017	3	27	0	27	2,403
A059	1,610	14,490	0	14,490	1,289,610
A091	2	18	0	18	1,602
A363	402	3,618	0	3,618	322,002
A552	2	18	0	18	1,602
A555	12	108	0	108	9,612
A606	2	18	0	18	1,602
AA11	40	360	0	360	32,040
AA12	100	900	0	900	80,100
AA21	100	900	0	900	80,100
AA54	2	18	0	18	1,602
AA62	4	36	0	36	3,204
AA63	4	36	0	36	3,204
AA64	4	36	0	36	3,204
AA66	1	9	0	9	801
AX14	2	18	0	18	1,602
B546	0	0	1	1	89
B643	3	27	1	28	2,492
BA14	3	27	1	28	2,492
C869	0	0	01	1	89
C995	1	9	0	9	801
DA54	3	27	0	27	2,403
DA12	2	18	0	18	1,602
DWEC	4	36	0	36	3,204
DWED	4	36	0	36	3,204
DWEE	4	36	0	36	3,204
DWEI	6,050	54,450	0	54,450	4,846,050
DWGB	2	18	0	18	1,602
G900	26	234	0	234	20,826
G940	0	0	1	1	89
G950	0	0	1	1	89
K143	1	9	0	9	801
K250	1	9	0	9	801
K765	1	9	12	21	1,869
M023	29	261	3	264	23,496
M032	14	126	3	129	11,481
M039	0	0	2	2	178
M130	80	720	13	733	65,237
DODIC	**QUANTITIES INDIVIDUAL TRAINING**	**X 9 MARINES PER SECTION**	**QUANTITIES COLLECTIVE TRAINING**	**TOTAL FOR SECTION TRAINING**	**TOTAL CLASS V FOR 89 EOD SECTIONS**
M131	78	702	10	712	63,368
M174	13	117	0	117	10,413
M420	1	9	0	9	801

M421	1	9	0	9	801
M456	665	5,985	500	6,485	577,165
M474	2	18	0	18	1,602
M475	2	18	0	18	1,602
M476	2	18	0	18	1,602
M477	2	18	0	18	1,602
M478	2	18	0	18	1,602
M479	2	18	0	18	1,602
M480	2	18	0	18	1,602
M481	2	18	0	18	1,602
M482	2	18	0	18	1,602
M483	2	18	0	18	1,602
M484	2	18	0	18	1,602
M487	1	9	0	9	801
M591	7	63	3	66	5,874
M670	709	6,381	100	6,481	576,809
M757	4	36	2	38	3,382
M813	2	18	0	18	1,602
M980	15	135	0	135	12,015
M981	18	162	0	162	14,418
M982	10	90	0	90	8,010
M986	7	63	0	63	5,607
ML03	3	27	0	27	2,403
ML04	3	27	0	27	2,403
ML05	5	45	0	45	4,005
MM30	3	27	0	27	2,403
MM41	1	9	0	9	801
MM42	1	9	0	9	801
MM43	1	9	0	9	801
MM44	1	9	0	9	801
MM45	1	9	0	9	801
MM46	1	9	0	9	801
MM47	1	9	0	9	801
MM48	1	9	0	9	801
MN08	90	810	10	820	72,980
MN88	11	99	0	99	8,811
DODIC	**QUANTITIES INDIVIDUAL TRAINING**	**X 9 MARINES PER SECTION**	**QUANTITIES COLLECTIVE TRAINING**	**TOTAL FOR SECTION TRAINING**	**TOTAL CLASS V FOR 89 EOD SECTIONS**
MN90	18	162	0	162	14,418
MU40	2	18	0	18	1,602
MU41	2	18	0	18	1,602
MU42	2	18	0	18	1,602

UNIT	**number of Sections per unit**
1st EOD Company	13
11th MEU	1
13th MEU	1
15th MEU	1
2nd EOD Company	13

22nd MEU	1
24th MEU	1
26th MEU	1
3rd EOD Company	13
31st MEU	1
CLB-3	1
CLB-11	1
CLB-13	1
CLB-15	1
CLB-22	1
CLB-24	1
CLB-26	1
CLB-31	1
MWSS 171	1
MWSS 172	1
MWSS 271	1
MWSS 272	1
MWSS 273	1
MWSS 274	1
MWSS 371	1
MWSS 372	1
MWSS 373	1
MWSS 374	1
MWSS 471	1
MWSS 472	1
MWSS 473	1
MCB Camp Butler Japan	1
Camp Fuji Japan	1
Kaneohe Bay MCBH	1
MCB Camp Lejeune	1
MCB Camp Pendleton	1
MCB Quantico	1
MCAS Beaufort	1
MCAS Cherry Point	1
MCAS Iwakuni	1
MCAS Miramar	1
UNIT	**number of Sections per unit**
MCAS Yuma	1
CBIRF	2
MAGTFTC EOD	2
1st MSOB	2
2nd MSOB	2
3rd MSOB	2
MCSCG EOD	1
Total Number EOD Sections	89

DODIC	**NOMENCLATURE**
A011	CARTRIDGE, 12 GAGE SHOTGUN, #00 BUCKSHOT M19/M162
A017	CARTRIDGE, 12 GAGE SHOTGUN M162 #9 BUCKSHOT
A059	CARTRIDGE, 5.56MM BALL M855

A091	CARTRIDGE, .22 CAL BALL Long Rifle Match
A363	CARTRIDGE, 9MM BALL NATO XM882
A552	CARTRIDGE, .50 CAL M2/M33 BALL SNGL RND AC
A555	CARTRIDGE, .50 CAL M33 BALL LINKED MG
A606	CARTRIDGE, .50 CALIBER, MK 211 MOD 0 (API)
AA11	CARTRIDGE, 7.62MM, NATO, M118, SPECIAL BALL, LONG RANGE
AA12	CTG, 9MM FX MKG RED
AA21	CTG, 9MM FX MKG BLUE
AA54	12 Gauge Door Breaching M1030
AA60	CTG, 12 GAGE 3 INCH, #00 BUCKSHOT
AA62	CARTRIDGE, 12 GAUGE, MK 274 MOD 0, UVS EOD USE
AA63	CARTRIDGE, 12 GAUGE, MK 275 MOD 0, IEDSD EOD USE
AA64	CARTRIDGE, 12 GAUGE, MK 276 MOD 0 BLANK
AA66	CARTRIDGE, 12 GAUGE, MK 278 MOD 0 BLACK POWDER BLANK
AX14	PRIMER, PERCUSSION
B546	CARTRIDGE, 40MM HEDP M433
B643	CARTRIDGE, 60MM HE M888
BA14	CARTRIDGE, 60MM SMOKE WHITE PHOSPHORUS M722A1
C869	CARTRIDGE, 81MM HE M889/M889A1 with PD Fuze M935
C995	CTG & LAUNCHER, 84MM M136 AT-4
DA54	PROJECTILE, 155 MM HE (IMX-101)w/ SUPP CHG (REPLACES D529)
DA12	CHARGE, PROPELLING, 155MM, M231, MODULAR ARTILLERY CHARGE SYSTEM (MACS)
DWDN	CHARGE, MK 171 MOD 0, LIGHTWEIGHT DISPOSABLE DISRUPTER (LIDD)
DWEC	CARTRIDGE, 12 GAUGE, MK 277 MOD 0, ENHANCED BLANK
DWED	CARTRIDGE, 12 GAUGE, MK 279 MOD 0 STEEL SLUG
DWEE	CARTRIDGE, 12 GAUGE, MK 280 MOD 0 ALUMINUM SLUG
DWEI	LEAD, PYROTECHNIC WITH OUT CAP, MK 34 MOD 0 SHOCK TUBE W/O BLASTING CAP
DWGB	POWDER BAG CONTAINER ASSEMBLY, EOD
DWEC	CARTRIDGE, 12 GAUGE, MK 277 MOD 0, ENHANCED BLANK
G900	GRENADE, HAND, INCENDIARY, TH3, AN-M14
G940	GRENADE, HAND, SMOKE, GREEN, M18
G950	GRENADE, HAND, SMOKE, RED, M18
K143	MINE, APERS M18A1 W/FIRING DEVICE
K250	MINE, AT HEAVY M19
DODIC	**NOMENCLATURE**
K765	RIOT CONTROL AGENT, CS CAPSULE U/I EA
L283	SIGNAL, SMOKE AND ILLUMINATION MARINE MK 124 MOD 0
M023	CHARGE, DEMOLITION BLOCK M112 COMP C-4
M032	CHARGE, DEMOLITION 1 LB, TNT
M039	CHARGE, DEMOLITION 40 LB CRATERING
M130	CAP, BLASTING, M6, ELECTRIC
M131	CAP, BLASTING, M7, NON-ELECTRIC
M174	CARTRIDGE, CALIBER .50, BLANK, ELECTRICALLY INITIATED
M420	CHARGE, DEMOLITION, M2A4, 15 LB SHAPED CHARGE
M421	CHARGE, DEMOLITION SHAPED M3 40 POUND
M456	CORD, DETONATING REIN, 50 GRAIN PER FOOT
M474	CONTAINER, DEMOLITION CHARGE MK 1 MOD 0 CONICAL
M475	CONTAINER, DEMOLITION CHARGE MK 2 MOD 0 CONICAL
M476	CONTAINER, DEMOLITION CHARGE MK 3 MOD 0 CONICAL
M477	CONTAINER, DEMOLITION CHARGE MK 7 MOD 1 LINEAR

M478	CONTAINER, DEMOLITION CHARGE MK 7 MOD 2 LINEAR
M479	CONTAINER, DEMOLITION CHARGE MK 7 MOD 3 LINEAR
M480	CONTAINER, DEMOLITION CHARGE MK 7 MOD 4 LINEAR
M481	CONTAINER, DEMOLITION CHARGE MK 7 MOD 5 LINEAR
M482	CONTAINER, DEMOLITION CHARGE MK 7 MOD 6 LINEAR
M483	CONTAINER, DEMOLITION CHARGE MK 7 MOD 7 LINEAR
M484	CONTAINER, DEMOLITION CHARGE MK 7 MOD 8 LINEAR
M487	CONTAINER, DEMOLITION CHARGE MK 8 MOD 1
M591	DYNAMITE, MILITARY M1
M670	FUSE, BLASTING TIME M700,PKG 50-
M757	CHARGE ASSEMBLY, DEMOLITION M183 TAGGED COMP C-4
M813	SQUIB, ELEC
M980	CHARGE, DEMOLITION EXPLOSIVE SHEET 38 FT PETN 0.0831 IN THICK
M981	CHARGE, DEMOLITION EXPLOSIVE SHEET 25 Ft PETN 0.125 IN THICK
M982	CHARGE, DEMOLITION EXPLOSIVE SHEET 19 FT PETN 0.161 IN THICK
M986	CHARGE, DEMOLITION EXPLOSIVE SHEET 9 FT PETN 0.333 IN THICK
ML03	FIRING DEVICE, DEMOLITION MULTI-PURPOSE M142
ML04	CUTTER/EXROD/POWDER ACTUATED MK 23 MOD 0
ML05	CUTTER/EXROD/POWDER ACTUATED MK 24 MOD 0
MM30	CHARGE, BOOSTER FLEXIBLE 20 GRAM PETN MK 140 MOD 0
MM41	CHARGE, DEMOLITION FLEXIBLE LINEAR SHAPED 30 GRAINS PER FOOT
MM42	CHARGE, DEMOLITION FLEXIBLE LINEAR SHAPED 40 GRAINS PER FOOT
MM43	CHARGE, DEMOLITION FLEXIBLE LINEAR SHAPED 60 GRAINS PER FOOT
MM44	CHARGE, DEMOLITION FLEXIBLE LINEAR SHAPED 75 GRAINS PER FOOT
MM45	CHARGE, DEMOLITION FLEXIBLE LINEAR SHAPED 125 GRAINS PER FOOT
MM46	CHARGE, DEMOLITION FLEXIBLE LINEAR SHAPED 225 GRAINS PER FOOT
MM47	CHARGE, DEMOLITION FLEXIBLE LINEAR SHAPED 400 GRAINS PER FOOT
MM48	CHARGE, DEMOLITION FLEXIBLE LINEAR SHAPED 600 GRAINS PER FOOT
MN08	IGNITER, TIME BLASTING FUSE, M81, WEATHERPROOF W/SHOCK TUBE CAPABILITY
MN52	DETONATOR, NON-ELECTRIC, DUAL MK 154 MOD 0, MINI WITH PERCUSSION PRIMERS
MN88	CAP BLASTING, NON-ELECTRIC, M21 WITH 500 FT. MINITUBE
MN90	CAP, BLASTING, NON-ELECTRIC, M23, WITH 1000 FT. MINI TUBE
DODIC	**NOMENCLATURE**
MU40	CORD, DETONATING, 400 GRAINS PER FOOT
MU41	CORD, DETONATION, 400 GRAINS PER FOOT
MU42	CORD, DETONATING, 100 GRAINS PER FOOT

The below matrix for Methods of Entry (MOES) is provided for reference only, refer to the MEU T&R for allowances.

DODIC	Section Quantities	Sustainment Interval (6 month)
AX14	20	40
M023	5	10
M130	4	8
M456	100	200
M980	3	6
M981	3	6
M982	7	14

MM30	10	20
MM44	3	6
MM45	3	6
MM46	3	6
MM47	3	6
MN08	20	40
MN52	15	30
MU40	2	4
MU42	20	20
MM51	15	30

APPENDIX D

CLASS V(W) REQUIRED FOR EOD TRAINING

1. The Class V listed in this appendix is required to train both the individual collective events.

MEMORANDUM 3 Feb 2014

From: Training Ammunition Branch, TECOM G4
Subj: AMMUNITION BRANCH ANALYSIS FOR EOD T&R

Encl: (1) Proposed Ammo Appendix format for EOD T&R

1. TECOM G4 Ammo Branch has conducted a cost and supportability analysis for the subject T&R Ammunition Appendix.

2. Cost analysis: The annual cost for sustainment training ammunition for the total force is $22,285,244 using current year prices. This is an increase of $8,926,309 above the current allowance of $15,729,617.

3. This increase is attributed primarily to the increase in eight DODICs (listed below).

A059	Cartridge, 5.56mm Ball M855 10/Clip	$528,383
B643	Cartridge, 60mm High Explosive M888	$1,214,501
BA14	Cartridge, 60mm Smoke White Phosphorus M722A1	$1,327,632
C995	Cartridge and Launcher, 84mm M136 AT4	$850,830
DA54	Projectile, 155mm HE (IMX0101) w/Supp Charge	$3,315,155
DWEI	Pyrotechnic Initiator MK34 Mod 0	$771,216
M421	Charge, Demolition Shaped M3 Series 40 Pound	$907,815
M986	Charge, Demolition Sheet 0.333 Inch Thick	$1,029,458

4. If approved as written, collectively 7,213 New Mortar and Artillery projectiles (B643, BA14 & DA54) will be destroyed during EOD individual sustainment training at a cost of $5,857,288. Recommend this be reduced to one (1) per individual or 801 annually.

5. Incorporation of new ammo allowance: Ammunition Allowance changes will be made once this T&R is approved. Notification must be made to TECOM G4 Ammo Branch to initiate the approved change. The new allowances will be processed during the normal POM submission cycle. For new items, procurement lead time is normally 24 - 36 months after the POM approval. The availability of the new items will vary from item to item. For items supportable with the current ammunition inventory, the new allowance will be incorporated in the following FY update to the Detailed Allowance Report (DAR) and available for use starting 1 October. If the new allowance is needed sooner, coordination must be made with the Ammo Branch to incorporate the new allowance in the current year DAR.

6. The point of contact for this analysis is Major Bill Lanham, 703 784-3711.

DODIC	QUANTITIES INDIVIDUAL TRAINING	X 9 MARINES PER SECTION	QUANTITIES COLLECTIVE TRAINING	TOTAL FOR SECTION TRAINING	TOTAL CLASS V FOR 89 EOD SECTIONS
A011	3	27	0	27	2,403
A017	3	27	0	27	2,403
A059	1,610	14,490	0	14,490	1,289,610
A091	2	18	0	18	1,602
A363	402	3,618	0	3,618	322,002
A552	12	108	0	18	9396
A555	2	18	0	108	1602
A606	2	18	0	18	1,602
AA11	40	360	0	360	32,040
AA12	100	900	0	900	80,100
AA21	100	900	0	900	80,100
AA54	2	18	0	18	1,602
AA62	4	36	0	36	3,204
AA63	4	36	0	36	3,204
AA64	4	36	0	36	3,204
AA66	1	9	0	9	801
AX14	2	18	0	18	1,602
B546	0	0	1	1	89
B643	3	27	1	28	2,492
BA14	3	27	1	28	2,492
C869	0	0	01	1	89
C995	1	9	0	9	801
DA54	3	27	0	27	2,403
DA12	2	18	0	18	1,602
DWEC	4	36	0	36	3,204
DWED	4	36	0	36	3,204
DWEE	4	36	0	36	3,204
DWEI	6,050	54,450	0	54,450	4,846,050
DWGB	2	18	0	18	1,602
G900	26	234	0	234	20,826
G940	0	0	1	1	89
G950	0	0	1	1	89
K143	1	9	0	9	801
K250	1	9	0	9	801
K765	1	9	12	21	1,869
M023	29	261	3	264	23,496
M032	14	126	3	129	11,481
M039	0	0	2	2	178
M130	80	720	13	733	65,237
DODIC	**QUANTITIES INDIVIDUAL TRAINING**	**X 9 MARINES PER SECTION**	**QUANTITIES COLLECTIVE TRAINING**	**TOTAL FOR SECTION TRAINING**	**TOTAL CLASS V FOR 89 EOD SECTIONS**
M131	78	702	10	712	63,368
M174	13	117	0	117	10,413
M420	1	9	0	9	801
M421	1	9	0	9	801

M456	665	5,985	500	6,485	577,165
M474	2	18	0	18	1,602
M475	2	18	0	18	1,602
M476	2	18	0	18	1,602
M477	2	18	0	18	1,602
M478	2	18	0	18	1,602
M479	2	18	0	18	1,602
M480	2	18	0	18	1,602
M481	2	18	0	18	1,602
M482	2	18	0	18	1,602
M483	2	18	0	18	1,602
M484	2	18	0	18	1,602
M487	1	9	0	9	801
M591	7	63	3	66	5,874
M670	709	6,381	100	6,481	576,809
M757	4	36	2	38	3,382
M813	2	18	0	18	1,602
M980	15	135	0	135	12,015
M981	18	162	0	162	14,418
M982	10	90	0	90	8,010
M986	7	63	0	63	5,607
ML03	3	27	0	27	2,403
ML04	3	27	0	27	2,403
ML05	5	45	0	45	4,005
MM30	3	27	0	27	2,403
MM41	1	9	0	9	801
MM42	1	9	0	9	801
MM43	1	9	0	9	801
MM44	1	9	0	9	801
MM45	1	9	0	9	801
MM46	1	9	0	9	801
MM47	1	9	0	9	801
MM48	1	9	0	9	801
MN08	90	810	10	820	72,980
MN88	11	99	0	99	8,811
DODIC	**QUANTITIES INDIVIDUAL TRAINING**	**X 9 MARINES PER SECTION**	**QUANTITIES COLLECTIVE TRAINING**	**TOTAL FOR SECTION TRAINING**	**TOTAL CLASS V FOR 89 EOD SECTIONS**
MN90	18	162	0	162	14,418
MU40	2	18	0	18	1,602
MU41	2	18	0	18	1,602
MU42	2	18	0	18	1,602

UNIT	**number of Sections per unit**
1st EOD Company	13
11th MEU	1
13th MEU	1
15th MEU	1
2nd EOD Company	13
22nd MEU	1

24th MEU	1
26th MEU	1
3rd EOD Company	13
31st MEU	1
CLB-3	1
CLB-11	1
CLB-13	1
CLB-15	1
CLB-22	1
CLB-24	1
CLB-26	1
CLB-31	1
MWSS 171	1
MWSS 172	1
MWSS 271	1
MWSS 272	1
MWSS 273	1
MWSS 274	1
MWSS 371	1
MWSS 372	1
MWSS 373	1
MWSS 374	1
MWSS 471	1
MWSS 472	1
MWSS 473	1
MCB Camp Butler Japan	1
Camp Fuji Japan	1
Kaneohe Bay MCBH	1
MCB Camp Lejeune	1
MCB Camp Pendleton	1
MCB Quantico	1
MCAS Beaufort	1
MCAS Cherry Point	1
MCAS Iwakuni	1
MCAS Miramar	1
UNIT	**number of Sections per unit**
MCAS Yuma	1
CBIRF	2
MAGTFTC EOD	2
1st MSOB	2
2nd MSOB	2
3rd MSOB	2
MCSCG EOD	1
Total Number EOD Sections	89

DODIC	**NOMENCLATURE**
A011	CARTRIDGE, 12 GAGE SHOTGUN, #00 BUCKSHOT M19/M162
A017	CARTRIDGE, 12 GAGE SHOTGUN M162 #9 BUCKSHOT
A059	CARTRIDGE, 5.56MM BALL M855
A091	CARTRIDGE, .22 CAL BALL Long Rifle Match

A363	CARTRIDGE, 9MM BALL NATO XM882
A552	CARTRIDGE, .50 CAL M2/M33 BALL SNGL RND AC
A555	CARTRIDGE, .50 CAL M33 BALL LINKED MG
A606	CARTRIDGE, .50 CALIBER, MK 211 MOD 0 (API)
AA11	CARTRIDGE, 7.62MM, NATO, M118, SPECIAL BALL, LONG RANGE
AA12	CTG, 9MM FX MKG RED
AA21	CTG, 9MM FX MKG BLUE
AA54	12 Gauge Door Breaching M1030
AA60	CTG, 12 GAGE 3 INCH, #00 BUCKSHOT
AA62	CARTRIDGE, 12 GAUGE, MK 274 MOD 0, UVS EOD USE
AA63	CARTRIDGE, 12 GAUGE, MK 275 MOD 0, IEDSD EOD USE
AA64	CARTRIDGE, 12 GAUGE, MK 276 MOD 0 BLANK
AA66	CARTRIDGE, 12 GAUGE, MK 278 MOD 0 BLACK POWDER BLANK
AX14	PRIMER, PERCUSSION
B546	CARTRIDGE, 40MM HEDP M433
B643	CARTRIDGE, 60MM HE M888
BA14	CARTRIDGE, 60MM SMOKE WHITE PHOSPHORUS M722A1
C869	CARTRIDGE, 81MM HE M889/M889A1 with PD Fuze M935
C995	CTG & LAUNCHER, 84MM M136 AT-4
DA54	PROJECTILE, 155 MM HE (IMX-101)w/ SUPP CHG (REPLACES D529)
DA12	CHARGE, PROPELLING, 155MM, M231, MODULAR ARTILLERY CHARGE SYSTEM (MACS)
DWDN	CHARGE, MK 171 MOD 0, LIGHTWEIGHT DISPOSABLE DISRUPTER (LIDD)
DWEC	CARTRIDGE, 12 GAUGE, MK 277 MOD 0, ENHANCED BLANK
DWED	CARTRIDGE, 12 GAUGE, MK 279 MOD 0 STEEL SLUG
DWEE	CARTRIDGE, 12 GAUGE, MK 280 MOD 0 ALUMINUM SLUG
DWEI	LEAD, PYROTECHNIC WITH OUT CAP, MK 34 MOD 0 SHOCK TUBE W/O BLASTING CAP
DWGB	POWDER BAG CONTAINER ASSEMBLY, EOD
DWEC	CARTRIDGE, 12 GAUGE, MK 277 MOD 0, ENHANCED BLANK
G900	GRENADE, HAND, INCENDIARY, TH3, AN-M14
G940	GRENADE, HAND, SMOKE, GREEN, M18
G950	GRENADE, HAND, SMOKE, RED, M18
K143	MINE, APERS M18A1 W/FIRING DEVICE
K250	MINE, AT HEAVY M19
DODIC	**NOMENCLATURE**
K765	RIOT CONTROL AGENT, CS CAPSULE U/I EA
L283	SIGNAL, SMOKE AND ILLUMINATION MARINE MK 124 MOD 0
M023	CHARGE, DEMOLITION BLOCK M112 COMP C-4
M032	CHARGE, DEMOLITION 1 LB, TNT
M039	CHARGE, DEMOLITION 40 LB CRATERING
M130	CAP, BLASTING, M6, ELECTRIC
M131	CAP, BLASTING, M7, NON-ELECTRIC
M174	CARTRIDGE, CALIBER .50, BLANK, ELECTRICALLY INITIATED
M420	CHARGE, DEMOLITION, M2A4, 15 LB SHAPED CHARGE
M421	CHARGE, DEMOLITION SHAPED M3 40 POUND
M456	CORD, DETONATING REIN, 50 GRAIN PER FOOT
M474	CONTAINER, DEMOLITION CHARGE MK 1 MOD 0 CONICAL
M475	CONTAINER, DEMOLITION CHARGE MK 2 MOD 0 CONICAL
M476	CONTAINER, DEMOLITION CHARGE MK 3 MOD 0 CONICAL
M477	CONTAINER, DEMOLITION CHARGE MK 7 MOD 1 LINEAR
M478	CONTAINER, DEMOLITION CHARGE MK 7 MOD 2 LINEAR

M479	CONTAINER, DEMOLITION CHARGE MK 7 MOD 3 LINEAR
M480	CONTAINER, DEMOLITION CHARGE MK 7 MOD 4 LINEAR
M481	CONTAINER, DEMOLITION CHARGE MK 7 MOD 5 LINEAR
M482	CONTAINER, DEMOLITION CHARGE MK 7 MOD 6 LINEAR
M483	CONTAINER, DEMOLITION CHARGE MK 7 MOD 7 LINEAR
M484	CONTAINER, DEMOLITION CHARGE MK 7 MOD 8 LINEAR
M487	CONTAINER, DEMOLITION CHARGE MK 8 MOD 1
M591	DYNAMITE, MILITARY M1
M670	FUSE, BLASTING TIME M700,PKG 50-
M757	CHARGE ASSEMBLY, DEMOLITION M183 TAGGED COMP C-4
M813	SQUIB, ELEC
M980	CHARGE, DEMOLITION EXPLOSIVE SHEET 38 FT PETN 0.0831 IN THICK
M981	CHARGE, DEMOLITION EXPLOSIVE SHEET 25 Ft PETN 0.125 IN THICK
M982	CHARGE, DEMOLITION EXPLOSIVE SHEET 19 FT PETN 0.161 IN THICK
M986	CHARGE, DEMOLITION EXPLOSIVE SHEET 9 FT PETN 0.333 IN THICK
ML03	FIRING DEVICE, DEMOLITION MULTI-PURPOSE M142
ML04	CUTTER/EXROD/POWDER ACTUATED MK 23 MOD 0
ML05	CUTTER/EXROD/POWDER ACTUATED MK 24 MOD 0
MM30	CHARGE, BOOSTER FLEXIBLE 20 GRAM PETN MK 140 MOD 0
MM41	CHARGE, DEMOLITION FLEXIBLE LINEAR SHAPED 30 GRAINS PER FOOT
MM42	CHARGE, DEMOLITION FLEXIBLE LINEAR SHAPED 40 GRAINS PER FOOT
MM43	CHARGE, DEMOLITION FLEXIBLE LINEAR SHAPED 60 GRAINS PER FOOT
MM44	CHARGE, DEMOLITION FLEXIBLE LINEAR SHAPED 75 GRAINS PER FOOT
MM45	CHARGE, DEMOLITION FLEXIBLE LINEAR SHAPED 125 GRAINS PER FOOT
MM46	CHARGE, DEMOLITION FLEXIBLE LINEAR SHAPED 225 GRAINS PER FOOT
MM47	CHARGE, DEMOLITION FLEXIBLE LINEAR SHAPED 400 GRAINS PER FOOT
MM48	CHARGE, DEMOLITION FLEXIBLE LINEAR SHAPED 600 GRAINS PER FOOT
MN08	IGNITER, TIME BLASTING FUSE, M81, WEATHERPROOF W/SHOCK TUBE CAPABILITY
MN52	DETONATOR, NON-ELECTRIC, DUAL MK 154 MOD 0, MINI WITH PERCUSSION PRIMERS
MN88	CAP BLASTING, NON-ELECTRIC, M21 WITH 500 FT. MINITUBE
MN90	CAP, BLASTING, NON-ELECTRIC, M23, WITH 1000 FT. MINI TUBE
DODIC	**NOMENCLATURE**
MU40	CORD, DETONATING, 400 GRAINS PER FOOT
MU41	CORD, DETONATION, 400 GRAINS PER FOOT
MU42	CORD, DETONATING, 100 GRAINS PER FOOT

The below matrix for Methods of Entry (MOES) is provided for reference only, refer to the MEU T&R for allowances.

DODIC	Section Quantities	Sustainment Interval (6 month)
AX14	20	40
M023	5	10
M130	4	8
M456	100	200
M980	3	6
M981	3	6
M982	7	14
MM30	10	20

MM44	3	6
MM45	3	6
MM46	3	6
MM47	3	6
MN08	20	40
MN52	15	30
MU40	2	4
MU42	20	20
MM51	15	30