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Subj: EXPLOSIVE ORDNANCE DISPOSAL TRAINING AND READINESS MANUAL

Ref: (a) NAVMC 3500.106A

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 (EOD) occupational field.

2. Cancellation. NAVMC 3500.66C

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

a. Reviewed, revised, and validated all collective and individual events to include adding descriptions and interactive hyperlinks to all events based on doctrinal and training publications.

b. Chapter one Overview. Adjusted to reflect current organization of this T&R Manual.

c. Chapter two Marine Corps Tasks. Revised to reflect the community's approved and published Marine Corps Tasks.

d. Chapter three Collective Events. Eight T&R events were added and six were deleted. One T&R event was added to incorporate the Littoral EOD Neutralization capability.

e. Chapter four EOD Common Individual Events. Three T&R events were added and five were deleted. Three T&R events were added to incorporate the Littoral EOD Neutralization capability.

f. Chapter five MOS 2305 Individual Events. Two T&R events were added.

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

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Management should be directed to: CG, TECOM, Policy and Standards Division (C 466), 1019 Elliot Road, Quantico, Virginia 22134.

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

6. Certification. Reviewed and approved this date.



K. M. IIAMS
Commanding General
Training and Education Command
By direction

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EOD T&R MANUAL

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CHAPTER 1

OVERVIEW

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EOD T&R MANUAL

CHAPTER 1

OVERVIEW

1000. INTRODUCTION

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

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

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

1001. UNIT TRAINING

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

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

based training consistent with Marine Corps T&R standards cannot be over emphasized.

1002. UNIT TRAINING MANAGEMENT

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

2. Unit training management techniques, described in reference MCO 1553.3_, MCTP 8-10A, and MCTP 8-10B provide commanders with the requisite tools and techniques to analyze, design, develop, implement, and evaluate the training of their unit. To maintain an efficient and effective training program, leaders at every level must understand and implement UTM.

1003. SUSTAINMENT AND EVALUATION OF TRAINING

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

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

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

1004. ORGANIZATION

1. This Explosive Ordnance Disposal T&R Manual is comprised of 7 chapters and 4 appendices. Chapter 1 is an overview of the ground T&R program. Chapter 2 lists the core METs/MCTs supported by the Community, which are used as part of DRRS. Chapter 3 contains collective events. Chapters 4 through 6 contain individual events specific to a particular MOS and/or billet, as noted. Appendix A contains acronyms; Appendix B contains terms and definitions; Appendix C contains Career Progression Philosophy, and Appendix D contains Class V (W) requirements.

1005. T&R EVENT CODING

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

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

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

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

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

Figure. 1-1 T&R Event Levels

2. 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 this T&R Manual, functional areas are alphabetized then the associated events are numbered. The events will be numbered based upon the introduction of each new functional area, allowing up to "999" events. For example: if there are seven administrative events 4431 occupational field (OccFld), then the events should start 4431-ADMN-1001 and run through 1007. Next, the bulk fuel events, BUFL should start at 4431-BUFL-1001.

3. Sequencing. A numerical code is assigned to each collective (3000-9000 level) or individual (1000-2000 level) training event. The first number identifies the size of the unit performing the event, as depicted in figure 1-1. Exception: Events that relate to staff planning, to conduct of a command operations center, or to staff level decision making processes will be numbered according to the level of the unit to which the staff belongs. For example: an infantry battalion staff conducting planning for

an offensive attack would be labeled as INF-PLAN-7001 even though the entire battalion is not actively involved in the planning of the operation. T&R event sequence numbers that begin with "9" are reserved for Marine air-ground task force (MAGTF) command element events. An example of event coding is displayed in figure 1-2.

| |
|--|
| <p>Functional Area</p> <p>MOS/Community-----> <u>####-####-###</u> <-1st event in sequence</p> <p style="text-align: center;"><u>Event level</u></p> |
|--|

Figure 1-2. T&R Event Coding

1006. T&R EVENT COMPOSITION

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

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

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

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 one object.
3. Evaluation-Coded (E-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. These E-Coded events are derived from the training measures of effectiveness (MOE) for the METs for units that must report readiness in DRRS. It would seem intuitive that most E-Coded events would be for battalion sized units and higher since those are the units that report in DRRS. However, if the Marine Corps has determined that the readiness of a subordinate, supporting unit to accomplish a particular collective event is vital to the accomplishment of the supported unit's MET, then that lower echelon collective event is E-Coded.
4. Supported MET(s). List all METs that are supported by the training event in the judgment of the OccFld drafting the T&R manual, even if those events are not listed as MOE in a MET.
5. Sustainment Interval. It is critical to understand the intent of the sustainment interval so training time is not wasted with duplicated training. Sustainment interval is expressed in number of months. Most individual T&R events and many lower level collective events are never out of sustainment because they are either part of a Marine's daily routine, or are frequently executed within the sustainment interval. Sustainment interval is relevant when an individual or collective event is not observed and evaluated within the sustainment period, has atrophied, and therefore retraining and evaluation is required.
6. 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 is required for collective events. This field can be of great value guiding a formal school or FMF 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 and event descriptions. The event components help the user determine what must be accomplished and the proper sequence of execution of subordinate events. Event components are used for collective events; performance steps are used for individual events.

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

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

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

13. 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.

14. Supported Event. An event whose performance is inherently supported by the performance of one or more supporting events. A supported event will be classified as internal supported if it has been developed specifically for the community. A supported event that has been chained to an event from an external community T&R will be classified as external supported.

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

16. Initial Training Setting. All individual events will designate the setting at which the skill is first taught, either formally, managed on the job training (MOJT) within the FMF, or via a distance learning product (DL).

17. 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. For individual events only one authoritative reference is required.

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

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

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

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

20. Suitability of Simulation/Simulators/DL products. The following "Suitability and Sequence" codes listed in figure 1-5 have been developed to communicate characteristics for employing simulations during training. Units of measure have been assigned based on the amount of time it takes a Marine or unit to train to task utilizing a particular simulator. Suitability and

sequence codes are captured in the event title in a parenthetical remark, as well as within the simulation field of the T&R event. The simulation field also identifies the type of simulation, units of measure, and any other pertinent information.

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

Figure 1-5. Suitability and sequence codes

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

b. Simulation Terms:

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

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

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

(4) Live: Real people operates real systems to include both live people operating real platforms or systems on a training range and battle

staffs from joint, component or service tactical headquarters using real world command and control systems.

(5) Virtual: Real people operating simulated systems. Virtual simulations inject humans-in-the-loop in a central role by exercising motor control skills (e.g., flying an air platform simulator, engaging targets in indoor simulated marksmanship trainer), decision skills, and/or communication skills.

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

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

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

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

| | | | | | |
|--|---------------------------|-------------------------|-------------------------------|---------------------|------------------|
| <u>XXXX-XXX-XXXX</u> : Call for indirect fire using the grid method (L/S) | | | | | |
| <u>SUPPORT REQUIREMENTS</u> : | | | | | |
| <u>SIMULATION EVALUATION</u> : | | | | | |
| <u>SIMULATED</u> | <u>SUITABILITY</u> | <u>SIMULATOR</u> | <u>UNIT OF MEASURE</u> | <u>HOURS</u> | <u>PM</u> |
| Yes | L/S | ODS | Marine Hours | 12 | Y |

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

21. Miscellaneous

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

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

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

1. The Marine Corps ground T&R program includes processes to assess readiness of units and individual Marines. Every unit in the Marine Corps maintains a basic level of readiness based on the training and experience of the Marines in the unit. Even units that never trained together are capable of accomplishing some portion of their missions. Combat readiness assessment does not associate a quantitative value for this baseline of readiness, but uses a "Combat Readiness Percentage" as a method to provide a concise descriptor of the recent training accomplishments of units and Marines.
2. Combat readiness percentage is the percentage of required training events that a unit or Marine accomplishes within specified sustainment intervals.
3. Unit combat readiness is assessed as a percentage of the successfully completed and current (within Sustainment Interval) key training events called E-Coded Events. E-Coded events and unit CRP calculation are described in follow-on paragraphs. The CRP achieved through the completion of E-Coded Events is directly relevant to readiness assessment in DRRS.

1008. CRP CALCULATION

1. Collective training begins at the 3000-level (team, crew, or equivalent). Unit training plans are designed to accomplish the events that support the unit METL while simultaneously sustaining proficiency in individual core skills. E-Coded collective events are the only events that contribute to unit CRP. This is done to assist commanders in prioritizing the training toward the METL, taking into account resource, time, and personnel constraints.
2. Unit CRP increases after the completion of E-Coded events. The number of E-Coded events for the MET determines the value of each E-Coded event. For example, if there are 4 E-Coded events for a MET, each is worth 25% of MET CRP. The MET CRP is calculated by adding the percentage of each completed and current (within Sustainment Interval) E-Coded training event. The percentage for each MET is calculated the same way and all are added together and divided by the number of METS to determine unit CRP. For ease of calculation, we will say that each MET has four E-Coded events, each contributing 25% towards the completion of the MET. If the unit has completed and is current on three of the four E-Coded events for a given MET, then they have completed 75% of the MET. The CRP for each MET is added together and divided by the number of METS to get unit CRP; unit CRP is the average of MET CRP.

For Example:

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

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

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

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

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

1009. CHEMICAL BIOLOGICAL RADIOLOGICAL NUCLEAR TRAINING

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

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

1010. NIGHT TRAINING

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

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

1011. RISK MANAGEMENT (RM)

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

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

proficiency and experience of Marines/Sailors, and providing reasonable alternatives for mission accomplishment.

3. Specifically, commanders are required to implement and document deliberate RM in the planning and execution of all training evolutions and activities. Furthermore, the authority to approve or accept risk assessment code (RAC) 1 or 2 hazards will not be delegated below lieutenant colonel (O5). Further guidance for RM is found in Marine Corps Order 3500.27_.

1012. IMPROVISED EXPLOSIVE TRAINING

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

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

EOD T&R MANUAL

CHAPTER 2: MISSION ESSENTIAL TASKS MATRIX

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EOD T&R MANUAL

CHAPTER 2

MISSION ESSENTIAL TASKS MATRIX

2000. EOD CORE AND CORE PLUS MISSION ESSENTIAL TASK (MET) LIST

The MET table lists the standardized core and core plus METs that are reported for units with an EOD mission.

| MARINE CORPS TASK LIST | <u>DESCRIPTION</u> |
|-----------------------------------|--|
| MCT 6.8 | Conduct Explosive Ordnance Disposal (EOD) Operations |
| MCT 6.8.1 | Conduct Explosive Ordnance Disposal (EOD) Operations on Unexploded Explosive Ordnance |
| MCT 6.8.2 | Conduct Explosive Ordnance Disposal (EOD) Operations on Improvised Explosive Devices (IED) |
| MCT 6.8.3 | Conduct Explosive Ordnance Disposal (EOD) Operations on Weapons of Mass Destruction (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 Explosive Ordnance Disposal (EOD) Operation on Weapon Accidents/Incidents |
| MCT 6.8.6 | Conduct Methods of Entry |

2001. COMBAT LOGISTICS BATTALION 3 CORE MET

| MARINE CORPS TASK | <u>DESCRIPTION</u> |
|------------------------------|--|
| MCT 6.8 | Conduct Explosive Ordnance Disposal (EOD) Operations |

2002. COMBAT LOGISTICS BATTALION 3 CORE MET MATRIX

| |
|--|
| MET 6.8. Conduct Explosive Ordnance Disposal (EOD) Operations |
| Personnel Standards |
| Y/N EOD section manned at 90% of T/O with MOS qualified and deployable personnel |
| Equipment Standards |
| Y/N EOD section equipped at 80% of overall T/E ready and available with 90% of each principle end item ready and available |
| Training Standards |
| Y/N EOD section trained to Standard in the following E-Coded events |
| EOD-ADMN-4001 Provide EOD Support to Other Government Agencies in Support of the Homeland Defense Mission |
| EOD-CBRN-4001 Conduct Chemical/Biological response operations |
| EOD-INTL-4001 Conduct a post blast analysis |

| |
|--|
| EOD-INTL-4002 Conduct Technical Collection and Reporting |
| EOD-C2-4001 Manage an EOD section |
| EOD-OPS-4002 Perform explosive ordnance exploitation |
| EOD-OPS-4003 Conduct surface area clearance |
| EOD-OPS-4004 Conduct site exploitation |
| EOD-OPS-4005 Conduct unexploded explosive ordnance (UXO) response operations |
| EOD-OPS-4007 Conduct IED operations |
| EOD-OPS-4008 Conduct WMD operations |
| EOD-OPS-4009 Conduct conventional explosive ordnance operations |
| EOD-OPS-4010 Conduct Explosive Ordnance Disposal (EOD) Operations on Weapon Accidents/Incidents |
| EOD-OPS-4011 Respond to an Aircraft Incident |
| Output Standards |
| Y/N Capable of planning, coordinating, and supervising EOD operations ISO supported III MEF HI-Based Units |
| Y/N EOD Section task organized, trained, and equipped IOT deploy ISO supported III MEF HI-Based Units |
| Y/N EOD section trained with advanced skill sets IOT deploy ISO supported III MEF HI-Based Units |
| Y/N EOD Section and Response elements capable of Detecting, Locating, Accessing, diagnosing, rendering safe / neutralizing, exploiting and disposing of UXO, IED and WMD |
| Y/N Supports restoration of critical mission capability / infrastructure by removing/neutralizing explosive related hazards as an impediment |
| Y/N Supports restoration of formerly closed or limited accessibility MSRs or AORs through explosive related hazard removal/neutralization |

2003. ENGINEER SUPPORT BATTALION CORE MET

| MARINE CORPS TASK | <u>DESCRIPTION</u> |
|--------------------------|--|
| MCT 6.8 | Conduct Explosive Ordnance Disposal (EOD) Operations |

2004. ENGINEER SUPPORT BATTALION CORE MET MATRIX

| |
|--|
| MET 6.8. Conduct Explosive Ordnance Disposal (EOD) Operations |
| Personnel Standards |
| Y/N EOD Company manned at 90% of T/O with MOS qualified and deployable personnel |
| Equipment Standards |
| Y/N EOD Company equipped at 80% of overall T/E ready and available with 90% of each principal end item ready and available |
| Training Standards |
| Y/N EOD Company trained to standard in the following E-Coded events: |
| EOD-ADMN-4001 Provide EOD Support to Other Government Agencies in Support of the Homeland Defense Mission |

| |
|--|
| EOD-CBRN-4001 Conduct Chemical/Biological response operations |
| EOD-INTL-4001 Conduct a post blast analysis |
| EOD-INTL-4002 Conduct Technical Collection and Reporting |
| EOD-C2-4001 Manage an EOD section |
| EOD-OPS-4002 Perform explosive ordnance exploitation |
| EOD-OPS-4003 Conduct surface area clearance |
| EOD-OPS-4004 Conduct site exploitation |
| EOD-OPS-4005 Conduct unexploded explosive ordnance (UXO) response operations |
| EOD-OPS-4007 Conduct IED operations |
| EOD-OPS-4008 Conduct WMD operations |
| EOD-OPS-4009 Conduct conventional explosive ordnance operations |
| EOD-OPS-4010 Conduct Explosive Ordnance Disposal (EOD) Operations on Weapon Accidents/Incidents |
| EOD-OPS-4011 Respond to an Aircraft Incident |
| Output Standards |
| Y/N Capable of planning , coordinating, and supervising EOD operations ISO MAGTF operations |
| Y/N EOD Sections task organized, trained, and equipped IOT deploy ISO MAGTF operations |
| Y/N EOD platoons and sections trained with advanced skill sets IOT deploy ISO MAGTF operations |
| Y/N EOD Platoons, Sections and Response elements capable of Detecting, Locating, Accessing, diagnosing, rendering safe / neutralizing, exploiting and disposing of UXO, IED Nuclear Ordnance and WMD |
| Y/N Supports restoration of critical mission capability / infrastructure by removing/neutralizing explosive related hazards as an impediment |
| Y/N Supports restoration of formerly closed or limited accessibility MSRrs or AORs through explosive related hazard removal/neutralization |

2005. MARINE EXPEDITIONARY UNIT (MEU) CLB CORE MET

| MARINE CORPS TASK | <u>DESCRIPTION</u> |
|--------------------------|--|
| MCT 6.8 | Conduct Explosive Ordnance Disposal (EOD) Operations |

2006. MARINE EXPEDITIONARY UNIT (MEU) CLB CORE MET MATRIX

| |
|--|
| MET 6.8. Conduct Explosive Ordnance Disposal (EOD) Operations |
| Personnel Standards |
| Y/N a Section of Explosive Ordnance Disposal filled with qualified, deployable Marines |
| Equipment Standards |
| >= 80% of overall T/E ready and available for Explosive Ordnance Disposal Section |
| >= 90% of each critical end item ready and available |
| Training Standards |

| |
|---|
| Y/N EOD Section trained to standard in the following E-Coded events: |
| EOD-ADMN-4001 Provide EOD Support to Other Government Agencies in Support of the Homeland Defense Mission |
| EOD-CBRN-4001 Conduct Chemical/Biological response operations |
| EOD-INTL-4001 Conduct a post blast analysis |
| EOD-INTL-4002 Conduct Technical Collection and Reporting |
| EOD-C2-4001 Manage an EOD section |
| EOD-OPS-4002 Perform explosive ordnance exploitation |
| EOD-OPS-4003 Conduct surface area clearance |
| EOD-OPS-4004 Conduct site exploitation |
| EOD-OPS-4005 Conduct unexploded explosive ordnance (UXO) response operations |
| EOD-OPS-4007 Conduct IED operations |
| EOD-OPS-4008 Conduct WMD operations |
| EOD-OPS-4009 Conduct conventional explosive ordnance operations |
| EOD-OPS-4010 Conduct Explosive Ordnance Disposal (EOD) Operations on Weapon Accidents/Incidents |
| EOD-OPS-4011 Respond to an Aircraft Incident |
| Output Standards |
| Y/N Capable of planning, coordinating, and supervising EOD operations ISO MEU operations |
| Y/N EOD response elements capable of detecting, locating, accessing, identifying, triaging, diagnosing, stabilizing, rendering safe/neutralizing, recovering, exploiting, and disposing of hazards of foreign and domestic chemical, biological, and high yield explosives, Unexploded Explosive Ordnance (UXO), and Improvised Explosive Devices (IED) |
| Y/N Restoration of critical mission capability / infrastructure without Explosive related hazards as an impediment |
| Y/N MSR's or AOR's formerly closed or limited accessibility for the MEU restored due to explosive related hazard removal/neutralization |
| Y/N Capable of planning, coordinating, and supervising full spectrum EOD operations ISO MAGTF operations |
| Y/N UXO or IED exploited to gain technical intelligence ICW Marine Exploitation Cell |
| Y/N Capable of operating with joint and combined forces, governmental, and non-governmental organizations |

2007. SPMAGTF-CR-AF LCE CORE PLUS MET

| MARINE CORPS TASK | <u>DESCRIPTION</u> |
|--------------------------|--|
| MCT 6.8 | Conduct Explosive Ordnance Disposal (EOD) Operations |

2008. SPMAGTF-CR-AF LCE CORE PLUS MET MATRIX

| |
|--|
| MET 6.8. Conduct Explosive Ordnance Disposal (EOD) Operations |
| Personnel Standards |

| |
|--|
| >= 80% of EOD Section billets (per manning document) filled with MOS qualified, deployable Marines |
| Equipment Standards |
| >= 80% of overall EDL ready and available for Explosive Ordnance Disposal Section |
| >= 90% of each critical end item ready and available |
| Training Standards |
| Y/N EOD Section trained to standard in the following E-Coded events: |
| EOD-ADMN-4001 Provide EOD Support to Other Government Agencies in Support of the Homeland Defense Mission |
| EOD-CBRN-4001 Conduct Chemical/Biological response operations |
| EOD-INTL-4001 Conduct a post blast analysis |
| EOD-INTL-4002 Conduct Technical Collection and Reporting |
| EOD-C2-4001 Manage an EOD section |
| EOD-OPS-4002 Perform explosive ordnance exploitation |
| EOD-OPS-4003 Conduct surface area clearance |
| EOD-OPS-4004 Conduct site exploitation |
| EOD-OPS-4005 Conduct unexploded explosive ordnance (UXO) response operations |
| EOD-OPS-4007 Conduct IED operations |
| EOD-OPS-4008 Conduct WMD operations |
| EOD-OPS-4009 Conduct conventional explosive ordnance operations |
| EOD-OPS-4010 Conduct Explosive Ordnance Disposal (EOD) Operations on Weapon Accidents/Incidents |
| EOD-OPS-4011 Respond to an Aircraft Incident |
| Output Standards |
| >=5 EOD Response Elements prepared for rapid response |
| Y/N Capable of planning, coordinating, and supervising EOD operations ISO MAGTF operations, Joint & Combined Operations, Special Operations Forces, and Government Agencies |
| >= 5 EOD Response Elements capable of detecting, locating, accessing, diagnosing, rendering safe, neutralizing, exploiting and disposing hazards from foreign and domestic, CBRNE, UXO, IEDs, WMDs |

2009. SPMAGTF-CR-CC LCE CORE MET

| MARINE CORPS TASK | <u>DESCRIPTION</u> |
|--------------------------|--|
| MCT 6.8 | Conduct Explosive Ordnance Disposal (EOD) Operations |

2010. SPMAGTF-CR-CC LCE CORE MET MATRIX

| |
|---|
| MET 6.8. Conduct Explosive Ordnance Disposal (EOD) Operations |
| Personnel Standards |
| >=80% of EOD Section billets (per manning document) filled with MOS qualified, deployable Marines |
| Equipment Standards |

| |
|---|
| >=80% of overall EDL ready and available for Explosive Ordnance Disposal Section |
| >=90% of each critical end item ready and available |
| Training Standards |
| Y/N EOD Section trained to standard in the following E-Coded events: |
| EOD-ADMN-4001 Provide EOD Support to Other Government Agencies in Support of the Homeland Defense Mission |
| EOD-CBRN-4001 Conduct Chemical/Biological response operations |
| EOD-INTL-4001 Conduct a post blast analysis |
| EOD-INTL-4002 Conduct Technical Collection and Reporting |
| EOD-C2-4001 Manage an EOD section |
| EOD-OPS-4002 Perform explosive ordnance exploitation |
| EOD-OPS-4003 Conduct surface area clearance |
| EOD-OPS-4004 Conduct site exploitation |
| EOD-OPS-4005 Conduct unexploded explosive ordnance (UXO) response operations |
| EOD-OPS-4007 Conduct IED operations |
| EOD-OPS-4008 Conduct WMD operations |
| EOD-OPS-4009 Conduct conventional explosive ordnance operations |
| EOD-OPS-4010 Conduct Explosive Ordnance Disposal (EOD) Operations on Weapon Accidents/Incidents |
| EOD-OPS-4011 Respond to an Aircraft Incident |
| Output Standards |
| >=1 Task organized EOD Section provided to deploy in GS of the SPMAGTF |
| Y/N Capable of planning, coordinating, and supervising EOD operations ISO MAGTF operations, Joint & Combined Operations, Special Operations Forces, and Government Agencies |
| Y/N EOD Section capable of detecting, locating, accessing, diagnosing, rendering safe, neutralizing, exploiting and disposing hazards from foreign and domestic, CBRNE, UXO, IEDs, WMDs |

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CHAPTER 3: COLLECTIVE EVENTS

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EOD T&R MANUAL

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:

| <u>Code</u> | <u>Description</u> |
|-------------|-----------------------------|
| EOD | Explosive Ordnance Disposal |

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

| <u>Code</u> | <u>Description</u> |
|-------------|---|
| ADMN | Administrative |
| C2 | Command and Control |
| CBRN | Chemical, Biological, Radiological, Nuclear |
| DEMO | Demolition |
| INTL | Intelligence |
| OPS | Operations |

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

| <u>Code</u> | <u>Description</u> |
|-------------|--------------------|
| 6000 | Company |
| 5000 | Platoon |
| 4000 | Section |
| 3000 | Response Element |

3002. INDEX OF COLLECTIVE EVENTS

| Event Code | E-Coded | Event |
|--------------------------|----------------|------------------------------------|
| 6000 Level Events | | |
| EOD-C2-6001 | YES | Command and Control EOD forces |
| 5000 Level Events | | |
| EOD-C2-5001 | YES | Command and control an EOD platoon |
| 4000 Level Events | | |

| | | |
|--------------------------|-----|---|
| EOD-ADMN-4001 | YES | Provide Support to Other Government Agencies in Support of the Homeland Defense Mission |
| EOD-C2-4001 | YES | Manage an EOD section |
| EOD-CBRN-4001 | YES | Conduct Chemical/Biological response operations |
| EOD-INTL-4001 | YES | Conduct a post blast analysis |
| EOD-INTL-4002 | NO | Conduct Technical Information Collection and Reporting |
| EOD-LTRL-4001 | NO | Conduct Littoral Explosive Ordnance Neutralization Operations |
| EOD-OPS-4002 | YES | Perform explosive ordnance exploitation |
| EOD-OPS-4003 | YES | Conduct surface area clearance |
| EOD-OPS-4004 | YES | Conduct site exploitation |
| EOD-OPS-4005 | YES | Conduct unexploded ordnance (UXO) response operations |
| EOD-OPS-4007 | YES | Conduct C-IED operations |
| EOD-OPS-4008 | YES | Conduct WMD operations |
| EOD-OPS-4009 | YES | Conduct conventional explosive ordnance operations |
| EOD-OPS-4010 | YES | Conduct Explosive Ordnance Disposal (EOD) Operations on Weapon Accidents/Incidents |
| EOD-OPS-4011 | YES | Respond to an Aircraft Incident |
| 3000 Level Events | | |
| EOD-ADMN-3001 | NO | Develop Exploitation Procedures |
| EOD-CBRN-3001 | NO | Conduct actions during a Chemical/ Biological incident |
| EOD-CBRN-3002 | NO | Conduct decontamination of personnel |
| EOD-DEMO-3001 | NO | Conduct disposal of explosive ordnance |
| EOD-INTL-3001 | NO | Conduct Post Blast Analysis |
| EOD-INTL-3002 | NO | Conduct Technical Exploitation |
| EOD-OPS-3001 | NO | Conduct Tactical Site Exploitation |
| EOD-OPS-3002 | NO | Conduct unexploded explosive ordnance (UXO) response operations |
| EOD-OPS-3003 | NO | Conduct an EOD Response |
| EOD-OPS-3004 | NO | Conduct IED response |
| EOD-OPS-3005 | NO | Conduct Nuclear and Radiological threat response |
| EOD-OPS-3006 | NO | Conduct conventional explosive ordnance response |
| EOD-OPS-3007 | NO | Support Explosive Ordnance Disposal (EOD) Operations on Nuclear Weapon Accidents/Incidents (NWAI) |
| EOD-OPS-3008 | NO | Respond to an Aircraft Incident |
| EOD-OPS-3009 | NO | Conduct standoff munitions disruption |
| EOD-OPS-3010 | NO | Conduct Lodged Projectile Removal |
| EOD-OPS-3011 | NO | Conduct Weapon System Downloading |
| EOD-OPS-3012 | NO | Conduct Explosive Ordnance Exploitation |

3003. 6000-LEVEL EVENTS

EOD-C2-6001: Command and Control EOD forces

SUPPORTED MET (S) :

MCT 6.8 Conduct Explosive Ordnance Disposal (EOD) Operations

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 Explosive Ordnance Disposal (EOD) Operations on Weapons of

Mass Destruction (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 Explosive Ordnance Disposal (EOD) Operations on Weapon Accidents/Incidents

MCT 6.8.6 Conduct Methods of Entry

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 24 months

READINESS-CODED: NO

DESCRIPTION: Companies will perform a range of C2 functions ranging from procedures development, planning, analysis, and allocation of personnel and resources when providing MEF-level support to the Fleet Marine Force. Through personal influence, experience, and authority, commanders recognize requirements and take appropriate actions based on judgement and intuition. These actions can take the form of pre-conditioned reactions, validation of rules-based procedures, or the development of tactics, operations, and strategies to provide the full spectrum of EOD support to the MEF. ([MCDP 6](#), Pg. 1-6)

CONDITION: Given a mission, IPB/IPOE, HHQ OPORD, and commander's intent/guidance.

STANDARD: Capable of planning, coordinating, and supervising full spectrum EOD operations ISO MAGTF operations. ([MCO 3571.2 Explosive Ordnance Disposal \(EOD\) Program](#) and [NAVSEA OP 5, VOL 1 Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping](#))

EVENT COMPONENTS:

1. Determine EOD-specific aims and objectives and develop commander's intent.
2. Devise tactics and strategies relating to EOD response.
3. Develop and validate standard operating procedures, technical procedures and pre-conditioned reactions.
4. Provide staff estimates and estimates of supportability.
5. Recommend Command and Support Relationships.
6. Develop concept of support to operations.
7. Allocate EOD equipment and resources.
8. Prepare embark of equipment.
9. As required, establish a Command Post to provide battle tracking, administrative and tactical logistics support to subordinate response elements.
10. Provide necessary coordination between higher, adjacent, subordinate, supported and supporting units.
11. Draft or integrate Annex C, Appx 13, as required.
12. Track and inform commander's decision points (CCIRs, CSNEs, EEFI).
13. Deploy task organized forces.
14. Utilize C4ISR systems to maintain situational awareness.
15. Consolidate and provide analysis of EOD reporting.
16. Analyze results and lessons learned to inform future operations.
17. Recognize trends and disseminate to inform the Force.
18. Supervise.

REFERENCES:

PRIMARY REFERENCES:

1. [MCDP 6](#) Command and Control

SUPPLEMENTARY REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. [MCO 3571.2](#) Explosive Ordnance Disposal (EOD) Program
3. [MCTP 10-10D](#) MAGTF Explosive Ordnance Disposal
4. [JP 3-42](#) Joint Explosive Ordnance Disposal
5. [JP 3-32](#) Joint Maritime Operations
6. [MCO 3501.1](#) Marine Corps Combat Readiness Evaluation (MCCRE)
7. [MCWP 5-10](#) Marine Corps Planning Process
8. [JP 1](#) Doctrine of the Armed Forces of the United States

CHAINED EVENTS:

INTERNAL SUPPORTING EVENTS:

[EOD-C2-5001: Command and control an EOD platoon](#)

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17710 Multipurpose Training Range (MPTR)
Facility Code 17410 Maneuver/Training Area, Light Forces
Facility Code 17963 MOUT Collective Training Facility (Large)

EQUIPMENT: Family of EOD equipment.

UNITS/PERSONNEL: Corpsman, 8404, 8425, 8427.

3004. 5000-LEVEL EVENTS

EOD-C2-5001: Command and control an EOD platoon

SUPPORTED MET (S):

MCT 6.8 Conduct Explosive Ordnance Disposal (EOD) Operations
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 Explosive Ordnance Disposal (EOD) Operations on Weapons of Mass Destruction (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 Explosive Ordnance Disposal (EOD) Operations on Weapon Accidents/Incidents
MCT 6.8.6 Conduct Methods of Entry

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: Platoons will perform a range of C2 functions ranging from procedures development, planning, analysis, and allocation of personnel and resources when providing support to a Regiment. Through personal influence, experience, and authority, commanders recognize requirements and take appropriate actions based on judgement and intuition. These actions can take the form of pre-conditioned reactions, validation of rules-based procedures, or the development of tactics, operations, and strategies to provide the full spectrum of EOD support to supported units. (MCDP 6, P 1-4, 1-5)

CONDITION: Given a mission, IPB/IPOE, HHQ OPORD, and commander's intent/guidance.

STANDARD: Capable of planning, coordinating, and supervising full spectrum EOD operations ISO MAGTF operations. ([MCO 3571.2 Explosive Ordnance Disposal \(EOD\) Program](#) and [NAVSEA OP 5, VOL 1 Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping](#))

EVENT COMPONENTS:

1. Determine EOD-specific aims and objectives and develop commander's intent.
2. Devise tactics and strategies relating to EOD response.
3. Develop and validate standard operating procedures, technical procedures, and pre-conditioned reactions.
4. Provide staff estimates and estimates of supportability.
5. Recommend Command and Support Relationships.
6. Develop concept of support to operations.
7. Allocate EOD equipment and resources.
8. Prepare embark of equipment.
9. Provide necessary coordination between higher, adjacent, subordinate, supported and supporting units.
10. Draft or integrate Annex C, Appx 13, as required.
11. Track and inform commander's decision points (CCIRs, CSNEs, EEFI).
12. Deploy task organized forces.
13. Utilize C4ISR systems to maintain situational awareness.
14. Consolidate and provide analysis of EOD reporting and technical intelligence (TECHINT).
15. Analyze results and lessons learned to inform future operations.
16. Recognize trends and disseminate to inform the Force.
17. Supervise.

REFERENCES:

PRIMARY REFERENCE:

1. [MCDP 6](#) Command and Control

SUPPLEMENTARY REFERENCES:

1. [MCO 3571.2](#) EOD Program
2. [JP 3-42](#) Joint Explosive Ordnance Disposal
3. [MCTP 10-10D](#) MAGTF Explosive Ordnance Disposal
4. [JP 3-32](#) Joint Maritime Operations
5. [MCWP 5-10](#) Marine Corps Planning Process
6. AEODPS 60 Series Automated EOD Publication System
7. [JP 1](#) Doctrine of the Armed Forces of the United States.

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

[EOD-C2-6001: Command and Control EOD forces](#)

INTERNAL SUPPORTING EVENTS:

EOD-ADMN-4001: Provide Support to Other Government Agencies
EOD-INTL-4001: Conduct a post blast analysis
EOD-C2-4001: Manage an EOD section
EOD-OPS-4002: Perform explosive ordnance exploitation
EOD-OPS-4003: Conduct operational area clearance
EOD-OPS-4004: Conduct sensitive site exploitation
EOD-OPS-4005: Conduct unexploded ordnance (UXO) response operations
EOD-OPS-4007: Conduct C-IED operations
EOD-OPS-4008: Conduct WMD operations
EOD-OPS-4009: Conduct conventional explosive ordnance operations
EOD-OPS-4010: Provide nuclear ordnance operations
EOD-OPS-4011: Respond to an Aircraft Incident

SUPPORT REQUIREMENTS:

Facility Code 17710 Multipurpose Training Range (MPTR)
Facility Code 17410 Maneuver/Training Area, Light Forces
Facility Code 17963 MOUT Collective Training Facility (Large)

SIMULATED-SUITABILITY-SIMULATOR-UNIT OF MEASURE-HOURS-PM

Yes S/L MTWS Unit Hours 8 Y

3005. 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 Conduct Explosive Ordnance Disposal (EOD) Operations
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 Explosive Ordnance Disposal (EOD) Operations on Weapons of Mass Destruction (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 Explosive Ordnance Disposal (EOD) Operations on Weapon Accidents/Incidents

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: DSCA capabilities are generally derived from DOD warfighting capabilities that may be applied to domestic assistance. Foreign humanitarian assistance operations are DOD activities, normally in support of the United States Agency for International Development (USAID) or Department of State (DOS), conducted outside the US and its territories to relieve or reduce human suffering, disease, hunger, or privation.

DOD EOD forces should maintain relationships with local, state, and other federal bomb disposal and/or LEA assets within their geographic locations. These relationships may include conferences and training exercises to increase the interoperability and integration with local EOD agencies, improve the response capabilities to civilian authorities when requested, and enhance the consolidated response capabilities. DOD EOD personnel may also conduct explosive hazards (e.g., improvised explosive devices [IEDs] and unexploded explosive ordnance [UXO]) awareness and education programs that promote public safety and inform the public of the hazards associated with military munitions and explosive items. This support includes specific missions, such as Foreign Humanitarian Assistance, Humanitarian Mine Action missions, Very Important Person Protection Support Activity, and any other Department of State or Department of Justice priorities. ([JP 3-28 Defense Support of Civil Authorities](#))

CONDITION: Given a request or task for support.

STANDARD: To support according to existing warfighting capabilities, and provide support as a component of the DOD in the execution of the request/task for support. ([MCO 3440.7C MARINE CORPS ROLES AND RESPONSIBILITIES IN DEFENSE SUPPORT OF CIVIL AUTHORITIES](#))

EVENT COMPONENTS:

1. Ensure MOA's/MOU's are in place with supported entities.
2. Coordinate with higher headquarters.
3. Provide requested support.
4. Complete the required report.

REFERENCES:

PRIMARY REFERENCES:

1. [JP 3-28 Defense Support of Civil Authorities](#)
2. [MCO 3440.7C MARINE CORPS ROLES AND RESPONSIBILITIES IN DEFENSE SUPPORT OF CIVIL AUTHORITIES](#)

SUPPLEMENTARY REFERENCES:

1. [JP 3-29 Foreign Humanitarian Assistance](#)
2. AEODPS 60 Series Automated EOD Publication System
3. [BLM Handbook A Handbook for Federal Land Managers, with Emphasis on UXO](#)
4. [DOD Directive 3025.18 Defense Support of Civil Authorities \(DSCA\)](#)
5. [MCO 3571.2 Explosive Ordnance Disposal \(EOD\) Program](#)
6. [MCO 8027.1 Interservice Responsibilities for Explosive Ordnance Disposal](#)
7. [DOD Manual 4715.26 DOD Military Munitions Rule](#)
8. [RCRA Resource Conservation and Recovery Act](#)
9. [NAVSEA OP 5, VOL I Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping](#)
10. [JP 3-42 Joint Explosive Ordnance Disposal](#)

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

[EOD-C2-5001: Command and control an EOD platoon](#)

INTERNAL SUPPORTING EVENTS:

[2305-INTL-2001: Collate Information](#)

[2305-OPS-2002: Perform duties as an EOD planner](#)

[2336-ADMN-2202: Manage EOD reporting](#)

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: Recommend personnel have advanced/evasive driving skills, and complete FEMA courses IS-100: Introduction to incident command, Humanitarian Demining Training Center, and IS-800 National Response Plan. Refer to CID: A16M9K3 Antiterrorism/Evasive driving course.

EOD-C2-4001: Manage an EOD section

SUPPORTED MET(S):

MCT 6.8 Conduct Explosive Ordnance Disposal (EOD) Operations
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 Explosive Ordnance Disposal (EOD) Operations on Weapons of Mass Destruction (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 Explosive Ordnance Disposal (EOD) Operations on Weapon Accidents/Incidents
MCT 6.8.6 Conduct Methods of Entry

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: EOD Sections will perform a range of C2 functions ranging from procedures development, planning, analysis, and allocation of personnel and resources when providing Battalion, Squadron, or Supporting Establishment level support. Through personal influence, experience, and authority, EOD Officers/EOD Managers recognize requirements and take appropriate actions based on judgement and intuition. These actions can take the form of pre-conditioned reactions, validation of rules-based procedures, or the development of tactics, operations, and strategies to provide the full spectrum of EOD support to the MEF. ([MCDP 6](#), Pg. 1-6)

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

STANDARD: Capable of planning, coordinating, and supervising full spectrum EOD operations ISO MAGTF operations. ([MCO 3571.2 Explosive Ordnance Disposal \(EOD\) Program](#) and [NAVSEA OP 5, VOL 1 Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping](#))

EVENT COMPONENTS:

1. Determine EOD-specific aims and objectives and develop commander's intent
2. Devise tactics and strategies relating to EOD response.
3. Develop and validate standard operating procedures, technical procedures and pre-conditioned reactions.
4. Provide staff estimates and estimates of supportability.
5. Recommend Command and Support Relationships.
6. Develop concept of support to operations.
7. Allocate EOD equipment and resources.

8. Prepare embark of equipment.
9. As required, establish a Command Post to provide battle tracking, administrative and tactical logistics support to subordinate response elements.
10. Provide necessary coordination between higher, adjacent, subordinate, supported and supporting units.
11. Draft or Integrate Annex C, Appx 13 as required.
12. Track and inform commander's decision points (CCIRs, CSNEs, EEFI).
13. Deploy task organized forces.
14. Utilize C4ISR systems to maintain situational awareness.
15. Consolidate and provide analysis of EOD reporting.
16. Analyze results and lessons learned to inform future operations.
17. Recognize trends and disseminate to inform the Force.
18. Supervise.

REFERENCES :

PRIMARY REFERENCE :

1. [MCDP 6](#) Command and Control

SUPPLEMENTARY REFERENCES :

1. [MCO 3571.2](#) EOD Program
2. [JP 3-42](#) Joint Explosive Ordnance Disposal
3. [MCTP 10-10D](#) MAGTF Explosive Ordnance Disposal
4. [JP 3-32](#) Joint Maritime Operations
5. [MCWP 5-10 Marine Corps Planning Process](#)
6. AEODPS 60 Series Automated EOD Publication System
7. [JP 1](#) Doctrine of the Armed Forces of the United States.

CHAINED EVENTS :

INTERNAL SUPPORTED EVENTS :

[EOD-C2-5001: Command and control an EOD platoon](#)

INTERNAL SUPPORTING EVENTS :

[EOD-OPS-3003: Conduct an EOD Response](#)
[2305-INTL-2001: Collate Information](#)
[2305-ADMN-2002: Direct unit administrative readiness](#)
[2305-ADMN-2003: Direct Explosive Ordnance Disposal personnel](#)
[2305-ADMN-2004: Direct EOD training program](#)
[2305-ADMN-2007: Direct EOD Personnel Readiness](#)
[2305-OPS-2001: Direct operations](#)
[2305-OPS-2003: Direct Ordnance Exploitation Operations](#)
[2336-ADMN-2201: Manage Class V](#)
[2336-ADMN-2202: Manage EOD reporting](#)
[2336-ADMN-2203: Manage personnel administrative readiness](#)
[2336-ADMN-2204: Manage Explosive Ordnance Disposal training program](#)
[2336-ADMN-2205: Manage equipment](#)
[2336-OPS-2201: Manage EOD operations](#)

EOD-CBRN-4001: Conduct Chemical/Biological response operations

SUPPORTED MET(S) :

MCT 6.8 Conduct Explosive Ordnance Disposal (EOD) Operations

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 Explosive Ordnance Disposal (EOD) Operations on Weapons of Mass Destruction (WMD) Including Chemical, Biological, and Radiological Threats
MCT 6.8.4 Conduct Explosive Ordnance Disposal (EOD) Operations on Conventional Ordnance

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

READINESS-CODED: NO

DESCRIPTION: EOD personnel are trained to provide a first response capability at any suspected CBRN incident and to assist with coordination of responses by more specialized national CBRN response assets if required. ([NAVSEA OP 5, VOL 1 Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping](#) p. 2-6/7)

CONDITION: Given a chemical/biological environment, EOD section, and utilizing EOD tools and equipment.

STANDARD: To locate, confirm, render safe, gross decontamination, package (Leak Seal Pack) disposition and/or biological items. ([JP 3-41, CBRN Response](#), P. I-19) ([JP 3-11, Operations in a CBRN Environment](#), p. G-4.)

EVENT COMPONENTS:

1. Coordinate with the on scene commander.
2. Gather all intelligence and conduct threat assessment.
3. Plot downwind hazard area.
4. Set up a hot line or safe area.
5. Clear the downwind hazard area of all personnel.
6. Choose and don correct PPE.
7. Conduct primary and secondary search for hazards.
8. Request disposition instructions.
9. Prepare RSP tools and equipment.
10. Perform render safe procedure.
11. Conduct leak-seal, packaging, and mitigation techniques on components.
12. Conduct search for additional hazards.
13. Process personnel and equipment through the hot line.
14. Conduct scene turnover.
15. Complete the reporting requirements.

REFERENCES:

PRIMARY REFERENCE:

1. [NAVSEA OP 5, VOL 1 Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping](#)

SUPPLEMENTARY REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. [National Response Framework](#)
3. [Title 49 Code of Federal Regulations - Hazardous Materials](#)
4. [MCO 3400.11 Countering Weapons of Mass Destruction Policy](#)

5. [MCO 3400.3H Chemical, Biological, Radiological, and Nuclear Defense Training Requirements](#)
6. [MCRP 10-10E.3 Multi-service Doctrine for CBRN Operations](#)
7. [MCRP 10-10E.4 Potential Military Chemical/Biological Agents and Compounds](#)
8. [MCRP 10-10E.5 MTTP for CBRN Contamination Avoidance](#)
9. [MCRP 10-10E.6 MTTP for CBRN Consequence Management Operations](#)
10. [MCRP 10-10E.8 MTTP for CBRN Passive Defense](#)
11. [National Fire Protection Agency standard 472 - standard for Competence of Responders to Hazardous Materials/Weapons of Mass Destruction Incidents](#)

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

[EOD-C2-5001: Command and control an EOD platoon](#)

INTERNAL SUPPORTING EVENT

EOD-CBRN-3001: Conduct Chemical/Biological Response

EOD-CBRN-3002: Conduct emergency decontamination

SUPPORT REQUIREMENTS:

ORDNANCE:

| <u>DODIC</u> | <u>QUANTITY</u> |
|-------------------------|-------------------|
| K765 Riot Control Agent | CS 12 per Section |

EQUIPMENT: Family of EOD equipment.

UNITS/PERSONNEL:

Corpsman, 8404, 8425, 8427 and 5711 (CBRN Marine)

EOD-INTL-4001: Conduct a post blast analysis

SUPPORTED MET(S):

MCT 6.8 Conduct Explosive Ordnance Disposal (EOD) Operations

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 Explosive Ordnance Disposal (EOD) Operations on Weapons of Mass Destruction (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 Explosive Ordnance Disposal (EOD) Operations on Weapon Accidents/Incidents

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: A post-attack methodology for collecting forensic materiel at an attack scene, to include the area around the target and any blast effects evident on the vehicles, personnel, or infrastructure. The investigation

focuses on collecting attack-related material from the area surrounding the attack and the firing point. The materiel collected includes, but is not limited to, munitions fragments, projectiles, empty cartridge cases, ammunition packaging, casualty information, and explosive residue. Through post-blast analysis, the technical intelligence community can identify how the threat manufactures, employs, and targeting friendly forces. [ATP 3-90, Appendix G-1 \(Pg. 101\)](#)

CONDITION: Given multiple attack sites or a large event location, fragmentation and/or components, required EOD references, tools and equipment.

STANDARD: To collect forensic material from the post-blast scene as well as the firing point IOT support the identification of how the threat manufactures, employs, and targeting friendly forces. [ATP 3-90, Appendix G-1 \(Pg. 101\)](#)

EVENT COMPONENTS:

1. Gather intelligence collection requirements.
2. Conduct mission planning.
 - a. Ensure planning will meet intelligence requirements.
3. Ensure scene is secure.
 - a. Designate a safe area/collection point.
4. Search for secondary devices.
5. Conduct tactical questioning and gather initial reports.
 - a. Provide feedback to intelligence community regarding intelligence requirements.
6. Take initial overview photographs of the scene.
7. Gather fragmentation and forensic evidence.
8. Exploit the crater or detonation site.
9. Take additional detailed photographs of the scene.
10. Research fragmentation to accurately identify Ordnance type/explosive device type, Net Explosive Weight, components, and possible initiation.
 - a. Ensure collections requirements have been met.
11. If required, plot the back azimuth through the maximum range of the weapons system.
12. Submit reports.

REFERENCES:

PRIMARY REFERENCE:

1. [ATP 3-90.15 Site Exploitation](#)

SUPPLEMENTARY REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. [MCO 8027.1 Interservice Responsibilities for Explosive Ordnance Disposal](#)
3. [NAVSEA OP 5, VOL 1 Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping](#)

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

[EOD-C2-5001: Command and control an EOD platoon](#)

INTERNAL SUPPORTING EVENTS:

[EOD-INTL-3001: Conduct Post Blast Analysis](#)

SUPPORT REQUIREMENTS:

ORDNANCE:

| <u>DODIC</u> | <u>QUANTITY</u> |
|--|------------------------|
| B643 Cartridge 60mm High Explosive M888 | 2 fuses per Section |
| C869 Cartridge 81mm HE M889/M889A1 with PD Fuse M935 | 2 fuses per Section |
| D529 Projectile 155mm High Explosive M795 | 2 per Section |
| DA54 Projectile 155mm HE (IMX-101) w/Supp Charge | 2 per Section |
| DWEI Pyrotechnic Initiator MK34 Mod 0 | 2000 FT per Section |
| J007 Mine Antipersonnel M18A1 with Non-Electric Mini Shock Tube | 2 mines per Section |
| M023 Charge Demolition Block M112 1-1/4 pound C- 4 | 8 charges per Section |
| M032 Charge Demolition Block TNT 1- Pound | 16 charges per Section |
| M039 Charge Demolition Cratering 40- Pound | 2 charges per Section |
| M130 Cap Blasting Electric M6 | 10 per Section |
| M131 Cap Blasting Non-Electric M7 | 10 per Section |
| M456 Cord Detonating PETN Type I Class E | 200 FT per Section |
| M591 Dynamite Military M1 | 6 per Section |
| M670 Fuse Blasting Time M700 | 200 FT per Section |
| M757 Charge Assembly Demolition M183 Comp C- 4 | 2 charges per Section |
| MN08 Igniter Time Blasting Fuse with Shock Tube Capability M81 | 12 per Section |
| MN88 Cap Blasting, Non-Electric, M21 w/ 500 ft. Minitube | 2 per Section |
| MN90 Cap Blasting, Non-Electric, M23 w/ 1000 ft. Minitube | 2 per Section |

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: Family of EOD equipment.

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

UNITS/PERSONNEL: Corpsman, 8404, 8425, 8427.

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: Ordnance requirement covered by 23XX-INTL-2101
Perform a post-blast analysis.

EOD-INTL-4002: Conduct Technical Information Collection and Reporting

SUPPORTED MET (S) :

MCT 6.8 Conduct Explosive Ordnance Disposal (EOD) Operations
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 Explosive Ordnance Disposal (EOD) Operations on Weapons of Mass Destruction (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 Explosive Ordnance Disposal (EOD) Operations on Weapon Accidents/Incidents

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

READINESS-CODED: NO

DESCRIPTION: Execution of the intelligence cycle is pivotal to creating strategic advantage in the operating environment. The intelligence cycle consists five steps: Planning and Direction, Collection, Processing and Exploitation, Analysis and Production, and Dissemination and Integration. EOD exploitation operations must be planned, synchronized, and executed appropriately in order to achieve efficiency in the cycle. Exploitation operations serve to focus intelligence planning, support collections opportunities, and delivers information and assessments to National and Strategic policy makers. Proper execution of the Unified Exploitation Strategy reduces recreation of efforts, loss of intelligence value, and delay between collection and dissemination, resulting in a better prepared and informed establishment.

NOTE: Collections plans should be developed based on all available intelligence and information. Considerations should account for number of items available for exploitation, exigency of intelligence requirements, and capabilities/limitations of the exploitation team. The plan should ensure requirements are collected in a manner that minimizes the loss of other intelligence collection opportunities and prioritizes collection of requirements with highest intelligence value. The collection plan should also account for transmittal of materiel to the next level of exploitation as necessary. ([MCO 8027.1E](#)); ([JP 2-01 Joint Intelligence](#))

CONDITION: Given an intelligence requirement, an EOD section, and the family of EOD equipment.

STANDARD: To support Technical Intelligence (TECHINT) and Weapons Technical Intelligence (WTI) through the exploitation of materiel, weapons, related explosives, and/or hazardous components ensuring recognition, collection/processing, exploitation, and dissemination of information. ([JP 3-42 H-1](#))

EVENT COMPONENTS:

1. Identify item to be exploited.
 - a. Collect necessary intelligence and information products.
 - b. Gather standing EOD and intelligence collection requirements.
2. Handle capture materiel in accordance with chain of custody procedures.
3. Triage the captured materiel appropriately.
 - a. Verify materiel is of intelligence value via J-2 chain of command, EOD Technical Support Center, or MCIA.
4. Develop/Review prioritized collection plan.
5. Conduct technical exploitation and/or collection of technical data IAW collection plan.
 - a. Conduct chemical analysis, as applicable.
6. Gather remaining materiel, determine hazard classification, and prepare for shipment to a Level II facility.
7. Submit reports and provide feedback to the intelligence community.
8. Incorporate acquired knowledge into future TTP's, operational threat assessments, and force protection measures.
9. Report on results.

REFERENCES:

PRIMARY REFERENCES:

1. [MCO 8027.1 Interservice Responsibilities for Explosive Ordnance Disposal](#)
2. [JP 3-42 Joint Explosive Ordnance Disposal](#)
3. [JP 2-0 Joint Intelligence](#)

SUPPLEMENTARY REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. [MCO 3571.2 Explosive Ordnance Disposal \(EOD\) Program](#)
3. [NAVSEA OP 5, VOL 1 Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping](#)
4. Applicable Intelligence Community requirement (Combatant Command/MCIA/DIA/Etc.)
5. DoD Strategy for Unified Exploitation

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

[EOD-C2-5001: Command and control an EOD platoon](#)

INTERNAL SUPPORTING EVENTS:

[EOD-INTL-3001: Conduct Post Blast Analysis](#)
[EOD-INTL-3002: Conduct Technical Exploitation](#)
[EOD-ADMN-3001: Develop Exploitation Procedures](#)
[EOD-OPS-3001: Conduct Site Exploitation](#)
[EOD-OPS-3012: Conduct Explosive Ordnance Exploitation](#)

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17962 MOUT Collective Training Facility (Small)

EQUIPMENT: Family of EOD equipment.

UNITS/PERSONNEL: Corpsman, 8404, 8425, 8427.

Reciprocal orders should be included as references and for clarity on the

requirements for exploitation.

EOD-LTRL-4001: Conduct Littoral Explosive Ordnance Neutralization Operations

SUPPORTED MET (s):

MCT 6.8 Conduct Explosive Ordnance Disposal (EOD) Operations
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 Explosive Ordnance Disposal (EOD) Operations on Weapons of Mass Destruction (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 Explosive Ordnance Disposal (EOD) Operations on Weapon Accidents/Incidents

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: Littoral Explosive Ordnance Neutralization operations require the detection, location, reacquiring, render safe/neutralization, recovery, exploitation, and disposal of underwater explosive ordnance accomplished through a manned/unmanned teaming concept. (LEON Rapid Statement of Need, pg. 2)

CONDITION: Given mission in very shallow water and/or surf zone.

STANDARD: To mitigate threats/hazards to personnel, installations (e.g. ports and harbors), and equipment by rendering Safe, detonation, or charting clear paths.

EVENT COMPONENTS:

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

REFERENCES:

PRIMARY REFERENCE

1. Littoral Explosive Ordnance Neutralization Rapid Statement of Need (dtd 18 Dec 2019)

SUPPLEMENTARY REFERENCES

1. [NAVSEA OP 5, VOL 1 Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping](#)
2. [MCO 8027.1 Interservice Responsibilities for Explosive Ordnance Disposal](#)

3. AEODPS 60 Series Automated EOD Publication System
4. [Title 49 Code of Federal Regulations - Hazardous Materials](#)
5. NAVSEA SWO 60-AA-MMA-010 - Demolition Materials
6. [MCDP 1-0 Marine Corps Operations \(w/change 1, 2, 3\)](#)
7. [JP 3-02 Joint Doctrine for Amphibious Operations](#)
8. [JP 3-42 Joint Explosive Ordnance Disposal Operations](#)
9. [JP 3-15, Barriers, Obstacles, and Mine Warfare for Joint Operations](#)
10. SS521-AG-PRO-010 United States Navy Dive Manual
11. MCRP 3-10.2 Multi-Service Tactics, Techniques, and Procedures for Military Diving Operations

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

[EOD-LTRL-2001: Conduct Open and Closed Circuit Diving](#)

[EOD-LTRL-2002: Conduct Render Safe Procedure on Underwater Explosive Ordnance](#)

[EOD-LTRL-2003: Employ LEON EOD Remotely Operated Vehicle \(ROV\)](#)

INTERNAL SUPPORTING EVENTS:

[EOD-C2-5001: Command and control an EOD Platoon](#)

SUPPORT REQUIREMENTS:

Facility Code 17411 Maneuver/Training Area

SIMULATION EVALUATION: No

SIMULATED-SUITABILITY-SIMULATOR-UNIT OF MEASURE-HOURS-PM

MISCELLANEOUS:

EQUIPMENT: Family of EOD equipment (LEON), closed/open circuit dive equipment if applicable

UNITS/PERSONNEL: Corpsman, 8404, 8425, 8427, dive supervisor if applicable.

EOD-OPS-4002: Perform explosive ordnance exploitation

SUPPORTED MET(S):

MCT 6.8 Conduct Explosive Ordnance Disposal (EOD) Operations

MCT 6.8.1 Conduct Explosive Ordnance Disposal (EOD) Operations on Unexploded Explosive Ordnance (UXO)

MCT 6.8.4 Conduct Explosive Ordnance Disposal (EOD) Operations on Conventional Ordnance

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: Collection of technical intelligence data from Ordnance or Weapon system is pivotal to situational awareness within the battlespace. Explosive ordnance exploitation includes but is not limited to, disassembly, stripping, inerting, evidence collection, captured enemy ammunition (CEA) evaluation/inspection, and radiographic (x-ray) interpretation. These operation increase individual knowledge, provide commanders with the ability

to conduct field exploitation for evaluation and technical intelligence of explosive ordnance and components, and in some cases support national strategic requests for information when dealing with country of origin issues for foreign ordnance. Additionally, explosive ordnance exploitation supports force protection, when domestic or allied country ordnance experiences unacceptably high failure rates, and supports historical preservation. ([MCO 3571.2 Explosive Ordnance Disposal \(EOD\) Program](#), pg3-5)

CONDITION: Given an ordnance item or weapon system of intelligence value.

STANDARD: To strip, disassemble, or inert to gain technical weapons data. ([MCO 3571.2 Explosive Ordnance Disposal \(EOD\) Program](#), pg3-5)

EVENT COMPONENTS:

1. Research item to be exploited.
2. Verify Current Intelligence Requirements via G-2 lines of communication.
3. Develop procedures.
 - a. Verify plan satisfies intelligence requirements
4. Execute procedures.
5. Collect technical intelligence data.
6. Submit reports.

REFERENCES:

PRIMARY REFERENCES:

1. 60A-1-1-7 Field Evaluation and Intelligence

SUPPLEMENTARY REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. [MCO 3571.2 Explosive Ordnance Disposal \(EOD\) Program](#)
3. [NAVSEA OP 5, VOL 1 Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping](#)
4. [Field Photo Guide for EOD](#)

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

[EOD-C2-5001: Command and control an EOD platoon](#)

INTERNAL SUPPORTING EVENTS:

[EOD-DEMO-3001: Conduct disposal of explosive ordnance](#)
[EOD-OPS-3012: Conduct Explosive Ordnance Exploitation](#)
[EOD-OPS-3003: Conduct an EOD Response](#)
[2305-ADMN-2003: Direct Explosive Ordnance Disposal personnel](#)
[2305-OPS-2001: Direct operations](#)
[2305-OPS-200X: Direct Ordnance Exploitation Operations](#)
[2336-OPS-2201: Manage EOD operations](#)

SUPPORT REQUIREMENTS:

ORDNANCE:

DODIC

B546 Cartridge 40mm HEDP
M433
B643 Cartridge 60mm High Explosive

QUANTITY

4 per Section

| | |
|--|--------------------|
| M888 | 4 per Section |
| B647 Cartridge 60mm Illuminating | |
| M721 | 4 per Section |
| C870 Cartridge 81mm Smoke Red Phosphorus M819 MTSQ | |
| Fuze | 4 per Section |
| CA30 Cartridge and Launcher 84mm M136 AT- | |
| 4 | 4 per Section |
| CA04 Cartridge 120mm HE M934 with Multi-Option Fuze | |
| M734 | 4 per Section |
| G940 Grenade Hand Green Smoke | |
| M18 | 2 per Section |
| G950 Grenade Hand Red Smoke | |
| M18 | 2 per Section |
| M131 Cap Blasting Non-Electric | |
| M7 | 10 per Section |
| M670 Fuse Blasting Time | |
| M700 | 200 FT per Section |
| M757 Charge Assembly Demolition M183 Comp C- | |
| 4 | 2 per Section |
| MN08 Igniter Time Blasting Fuse with Shock Tube Capability | |
| M81 | 10 per Section |
| NA15 Fuze Electronic Time | |
| M767A1 | 4 per Section |

ORDNANCE NOTES:

When available acquire the following via Code H or Special Ammunition Request (SAR):

C234 CTG Smoke WP M370
H842 WHD 2.75in HE XM/M151
HA07 RCKT MTR 2.75in MK-66-4

Ordnance requirement in this event covers 23XX-INTL-2102: Conduct explosive ordnance exploitation. Ordnance containing White Phosphorous is highly recommended but not allocated via T&R. Ordnance containing White Phosphorous should be allocated utilizing a SAR and/or the Code H list at the EOD unit's discretion.

RANGE/TRAINING AREA:

Facility Code 17410 Maneuver/Training Area, Light Forces
Facility Code 17830 Light Demolition Range
Facility Code 17963 MOUT Collective Training Facility (Large)

EQUIPMENT: Family of EOD equipment.

UNITS/PERSONNEL: Corpsman, 8404, 8425, 8427.

EOD-OPS-4003: Conduct surface area clearance

SUPPORTED MET (S) :

MCT 6.8 Conduct Explosive Ordnance Disposal (EOD) Operations
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 6.8.4 Conduct Explosive Ordnance Disposal (EOD) Operations on Conventional Ordnance

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

READINESS-CODED: NO

DESCRIPTION: Operational area clearance is planned, deliberate, and time-consuming. This event entails the location, identification, and removal of unexploded ordnance (UXO) by render safe procedures or disposal. Operational areas contaminated with UXO impede mobility and degrade safety, which potentially constrain maneuver forces. ([NAVSEA OP 5, VOL 1 Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping](#), pg. 3-4)

CONDITION: Given a mission.

STANDARD: To ensure removal of unexploded, dropped, fired, or placed ordnance in order to make the operational area safe for travel and occupation. ([NAVSEA OP 5, VOL 1 Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping](#), pg. 3-4)

EVENT COMPONENTS:

1. Conduct mission analysis.
2. Develop a plan.
3. Conduct site survey
4. Estimate manpower and equipment
5. Perform ordnance order of battle brief
6. Conduct surface clearance operations
7. Record swept areas and ordnance removed/destroyed.
8. Submit reports.

REFERENCES:

PRIMARY REFERENCE:

1. [NAVSEA OP 5, VOL 1 Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping](#)

SUPPLEMENTARY REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. [MCRP 3-17.7L Explosives and Demolitions](#)
3. [MCO 3571.2 Explosive Ordnance Disposal \(EOD\) Program](#)

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

[EOD-C2-5001: Command and control an EOD platoon](#)

INTERNAL SUPPORTING EVENTS:

[EOD-OPS-3003: Conduct an EOD Response](#)
[EOD-DEMO-3001: Conduct disposal of explosive ordnance](#)
[EOD-OPS-3006: Conduct conventional explosive ordnance response](#)
[2305-ADMN-2003: Direct Explosive Ordnance Disposal personnel](#)
[2305-OPS-2001: Direct operations](#)
[2336-OPS-2201: Manage EOD operations](#)

SUPPORT REQUIREMENTS:

ORDNANCE:

| <u>DODIC</u> | <u>QUANTITY</u> |
|--|------------------------|
| M130 Cap Blasting Electric M6 | 50 per Section |
| M131 Cap Blasting Non-Electric M7 | 50 per Section |
| M174 Cartridge Caliber .50 Impulse Electrically- Initiated | 20 per Section |
| M456 Cord Detonating PETN Type I Class E | 1000 FT per Section |
| M670 Fuse Blasting Time M700 | 1000 FT per Section |
| M757 Charge Assembly Demolition M183 Comp C-4 | 6 per Section |
| M980 Charge Demolition Sheet 0.0831 Inch Thick | 20 FT per Section |
| M981 Charge Demolition Sheet 0.125 Inch Thick | 20 FT per Section |
| M982 Charge Demolition Sheet 0.166 Inch Thick | 20 FT per Section |
| M986- Charge Demolition Sheet 0.333 Inch Thick | 20 FT per Section |
| MN08 Igniter Time Blasting Fuse with Shock Tube Capability M81 | 30 per Section |

RANGE/TRAINING AREA:

Facility Code 17430 Impact Area Duded
Facility Code 17560 Sniper Field-Fire Range
Facility Code 17670 Mortar Range
Facility Code 17671 Field Artillery Indirect Fire Range
Facility Code 17937 Aerial Bombing Range

EQUIPMENT: Family of EOD equipment.

UNITS/PERSONNEL: Corpsman, 8404, 8425, 8427.

EOD-OPS-4004: Conduct Site Exploitation

SUPPORTED MET (S) :

MCT 6.8 Conduct Explosive Ordnance Disposal (EOD) Operations
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 Explosive Ordnance Disposal (EOD) Operations on Weapons of
Mass Destruction (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 Explosive Ordnance Disposal (EOD) Operations on Weapon
Accidents/Incidents

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: Site Exploitation consists of a series of activities to
preserve, characterize, exploit, disable or neutralize materiel found during
the conduct of operations to protect the force and produce an advantage
within the operational variables to support tactical, operational, and

strategic objectives. ([JP 3-31](#) Pg. V-27, Ch. V, Para 12.d.) Published 3 Oct 2019

CONDITION: Given a site, intelligence requirement, an EOD section, and equipment.

STANDARD: To exploit documents, equipment, personnel and weapons related explosive or hazardous components. ([NAVSEA OP 5, VOL 1 Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping, pg. 2-4](#))

EVENT COMPONENTS:

1. Conduct mission analysis.
 - a. Verify Current Intelligence Requirements via G-2 lines of communication.
2. Register/identify support requirement.
3. Task organize EOD response element(s).
4. Ensure response element is properly equipped for mission.
5. Request external support, as required (security, K9, additional trained personnel for larger areas and structures).
6. Push EOD response element(s) to objective to complete mission.
7. Review and disseminate evidence/information and Level 1 report (EODIMS) from Site Exploitation Team/Teams.

REFERENCES:

PRIMARY REFERENCE:

1. [JP 3-31 Joint Land Operations](#)

SUPPLEMENTARY REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. [MCO 8027.1 Interservice Responsibilities for Explosive Ordnance Disposal](#)
3. [NAVSEA OP 5, VOL 1 Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping](#)
4. [ATP 3-90.15, Site Exploitation](#)

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

[EOD-C2-5001: Command and control an EOD platoon](#)

INTERNAL SUPPORTING EVENTS:

[EOD-OPS-3003: Supervise an EOD Team/Response](#)
[EOD-INTL-3001: Conduct Post Blast Analysis](#)
[EOD-OPS-3001: Conduct Site Exploitation](#)
[EOD-OPS-3004: Conduct IED response](#)
[EOD-INTL-3002: Conduct Technical Exploitation](#)

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17962 MOUT Collective Training Facility (Small)

EQUIPMENT: Family of EOD equipment.

UNITS/PERSONNEL: Corpsman, 8404, 8425, 8427.

EOD-OPS-4005: Conduct unexploded ordnance (UXO) response operations

SUPPORTED MET (S) :

MCT 6.8 Conduct Explosive Ordnance Disposal (EOD) Operations
MCT 6.8.1 Conduct Explosive Ordnance Disposal (EOD) Operations on Unexploded Explosive Ordnance (UXO)
MCT 6.8.3 Conduct Explosive Ordnance Disposal (EOD) Operations on Weapons of Mass Destruction (WMD) Including Chemical, Biological, and Radiological Threats
MCT 6.8.4 Conduct Explosive Ordnance Disposal (EOD) Operations on Conventional Ordnance

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: An Unexploded Ordnance Response Operation requires the location, identification, and the categorization of the explosive incident. This response may require the manual/remote movement, establishment of protective works, render safe, safe transportation, and/or disposal of the UXO/EO in order to mitigate explosive threats. ([MCO 8027.1E, Pg. 25-26](#)), ([MCTP 10-10D, Glossary-4](#)), and ([MCO 3571.2H, Pg. 3-2](#))

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

STANDARD: To mitigate threats/hazards to personnel, installations, and equipment. ([MCO 8027.1E, Pg. 26](#)) From the 8027.1E "to control, mitigate, or eliminate the actual or potential threat encountered during an explosives or munitions emergency."

EVENT COMPONENTS:

1. Conduct mission analysis.
2. Develop plan.
3. Task organize force.
4. Coordinate with approving authorities.
5. Coordinate internal/external support, if applicable.
6. Ensure scene is secure.
7. Mitigate collateral damage.
8. Conduct actions on objectives.
9. Submit reports.

REFERENCES:

PRIMARY REFERENCE:

1. [MCO 8027.1 Interservice Responsibilities for Explosive Ordnance Disposal](#)

SUPPLEMENTARY REFERENCES:

1. [MCO 3571.2 Explosive Ordnance Disposal \(EOD\) Program](#)

2. [NAVSEA OP 5, VOL 1 Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping](#)
3. AEODPS 60 Series Automated EOD Publication System
4. CFR Code of Federal Regulations
5. [DESR 6055.09, Defense Explosives Safety Regulation Edition 1](#)
6. [JP 3-28 Defense Support of Civil Authorities](#)

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

EOD-C2-5001: Command and control an EOD platoon

INTERNAL SUPPORTING EVENTS:

[EOD-OPS-3003: Conduct an EOD Response](#)

[EOD-OPS-3002: Conduct unexploded explosive ordnance \(UXO\) response operations](#)

[2305-ADMN-2003: Direct Explosive Ordnance Disposal personnel](#)

[2305-OPS-2001: Direct operations](#)

2336-OPS-2201: Manage EOD operations

SUPPORT REQUIREMENTS:

ORDNANCE:

DODIC

| | <u>QUANTITY</u> |
|--|------------------------|
| M130 Cap Blasting Electric M6 | 5 per Marine |
| M131 Cap Blasting Non-Electric M7 | 5 per Marine |
| M174 Cartridge Caliber .50 Impulse Electrically-Initiated | 2 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 Comp C-4 | 1 per Marine |
| M980 Charge Demolition Sheet 0.0831 Inch Thick | 2 FT per Marine |
| M981 Charge Demolition Sheet 0.125 Inch Thick | 2 FT per Marine |
| M982 Charge Demolition Sheet 0.166 Inch Thick | 2 FT per Marine |
| M986 Charge Demolition Sheet 0.333 Inch Thick | 2 FT per Marine |
| ML04 Cutter High Explosive MK23 Mod 0 | 2 per Marine |
| ML05 Cutter High Explosive MK24 Mod 0 | 2 per Marine |
| MN08 Igniter Time Blasting Fuse with Shock Tube Capability M81 | 5 per Marine |

RANGE/TRAINING AREA:

Facility Code 17830 Light Demolition Range

Facility Code 17962 MOUT Collective Training Facility (Small)

EQUIPMENT: Family of EOD equipment.

UNITS/PERSONNEL: Corpsman, 8404, 8425, 8427.

EOD-OPS-4007: Conduct C-IED operations

SUPPORTED MET(S):

MCT 6.8 Conduct Explosive Ordnance Disposal (EOD) Operations

MCT 6.8.2 Conduct Explosive Ordnance Disposal (EOD) Operations on Improvised Explosive Devices (IED)

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: EOD forces provide a required on-site specialized exploitation capability. The recovered materials and data are submitted to the proper channels in order to enable full exploitation and the subsequent dissemination of valuable network intelligence to units. EOD forces provide the capability to detect, locate, render safe, and dispose of the device. Operations are further enabled through better device and explosive detection, improved EOD robots, and better vehicle and personnel protections. EOD procedures allow for the exploitation of key components by preservation of the device. EOD provides technical assistance and advice on EOD, FP, and combat tactics regarding the threat posed by IEDs. EOD assists in the development of the C-IED concept of operations (CONOPS) and C-IED operation plan (OPLAN) and, at a minimum, executes staff supervision over the EOD operational aspects. EOD also assists in organizing and providing individual and unit IED awareness training or specialized EOD training to multinational partners who may lack the requisite capability. ([JP 3-42](#) pg. II-7)

CONDITION: Given an IED threat.

STANDARD: To render safe, and dispose of all explosive hazards enabling the full exploitation and subsequent dissemination of information. ([JP 3-15.1 Counter-Improvised Explosive Device Operations](#), pg. B-2)

EVENT COMPONENTS:

1. Conduct mission analysis.
 - a. Verify Current Intelligence Requirements via G-2 lines of communication.
2. Register/identify support requirement.
3. Task organize EOD response element(s).
4. Ensure response element is properly equipped for mission.
5. Request external support, as required (security, K9, additional trained personnel for larger areas and structures).
6. Push EOD response element(s) to objective to complete mission.
7. Review and disseminate evidence/information and Level 1 report (EODIMS) from response element.

REFERENCES:

PRIMARY REFERENCES:

1. [JP 3-15.1 Counter-Improvised Explosive Device Operations](#)
2. [JP 3-42 Joint Explosive Ordnance Disposal](#)

SUPPLEMENTARY REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. [Title 49 Code of Federal Regulations - Hazardous Materials](#)
3. [MCRP 3-17.7L Explosives and Demolitions](#)
4. OP 2239 Motor Vehicle Driver's Handbook, Ammunition, Explosives and related Hazardous Materials
5. [JP 3-25 Countering Threat Networks](#)

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

[EOD-C2-5001: Command and control an EOD platoon](#)

INTERNAL SUPPORTING EVENTS:

EOD-OPS-3004: Conduct IED response

EOD-OPS-3003: Supervise an EOD Team/Response

2305-ADMN-2003: Direct Explosive Ordnance Disposal personnel

2305-OPS-2001: Direct operations

2336-OPS-2201: Manage EOD operations

SUPPORT REQUIREMENTS:

EQUIPMENT: Family of EOD equipment.

UNITS/PERSONNEL:

Corpsman, 8404, 8425, 8427.

EOD-OPS-4008: Conduct WMD operations

SUPPORTED MET(S):

MCT 6.8 Conduct Explosive Ordnance Disposal (EOD) Operations

MCT 6.8.3 Conduct Explosive Ordnance Disposal (EOD) Operations on Weapons of Mass Destruction (WMD) Including Chemical, Biological, and Radiological Threats

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: All EOD units have received a level of specialized training, in order to provide rapid triage, threat assessment, and initial diagnostic data as necessary, to an interagency technical network to adjudicate CBRN and explosive threats and determine level of response required, to include WMD. ([JP 3-42](#), pg. II-6)

CONDITION: Given a WMD threat.

STANDARD: To detect, locate, identify, and triage in accordance with higher directive.

EVENT COMPONENTS:

1. Conduct mission analysis.
2. Develop plan.
3. Task organize force.
4. Establish command and control.
5. Conduct site reconnaissance.
6. Monitor and survey environment.
7. Provide current reporting to higher.
8. Coordinate internal/external support, if applicable.
9. Perform actions upon direction from appropriate authority.
10. Submit reports.

REFERENCES:

PRIMARY REFERENCE:

1. [JP 3-40 Countering Weapons of Mass Destruction](#)

SUPPLEMENTARY REFERENCE:

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. [MCWP 10-10E.8 MULTI-SERVICE TACTICS, TECHNIQUES, AND PROCEDURES FOR CHEMICAL, BIOLOGICAL, RADIOLOGICAL, AND NUCLEAR PASSIVE DEFENSE](#)
6. [MCRP 3-17.7L Explosives and Demolitions](#)
7. Presidential Memorandum Nov. 28, 2011 Managing Government Records

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

[EOD-C2-5001: Command and control an EOD platoon](#)

INTERNAL SUPPORTING EVENTS:

[2305-ADMN-2003: Direct Explosive Ordnance Disposal personnel](#)

[2305-OPS-2001: Direct operations](#)

[2336-OPS-2101: Supervise EOD response element](#)

[EOD-CBRN-3002: Conduct emergency decontamination](#)

[EOD-OPS-3005: Conduct Nuclear and Radiological threat response](#)

[EOD-OPS-3003: Supervise an EOD Team/Response](#)

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17962 MOUT Collective Training Facility (Small)

EQUIPMENT: Family of EOD equipment. Bauer Air Compressor.

UNITS/PERSONNEL: Corpsman, 8404, 8425, 8427.

EOD-OPS-4009: Conduct conventional explosive ordnance operations

SUPPORTED MET(S):

MCT 6.8 Conduct Explosive Ordnance Disposal (EOD) Operations

MCT 6.8.4 Conduct Explosive Ordnance Disposal (EOD) Operations on Conventional Ordnance

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: Conventional Explosive Ordnance Operations include explosive ordnance reconnaissance, weapons systems downloading, lodged projectile removal, ordnance disposal operations, propellant burns, rocket motor static fire, and employment of commercial/foreign demolition material. These operations include the ability to: detect/locate, access, identify, triage, diagnose, stabilize, render safe/neutralize, recover, exploit, and dispose of conventional explosive ordnance, both foreign and domestic. [MCTP 10-10D Ch. 2 Capabilities](#), the [MCO 8027.1E \(Para 4-2\)](#), [MCT 6.8.4 DESCRIPTION Pg. 3](#).

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

STANDARD: To mitigate hazards of explosive ordnance and weapon systems.

EVENT COMPONENTS:

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

REFERENCES:

PRIMARY REFERENCE:

1. [NAVSEA OP 5, VOL 1 Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping](#)

SUPPLEMENTARY REFERENCES:

1. [MCO 8027.1 Interservice Responsibilities for Explosive Ordnance Disposal](#)
2. AEODPS 60 Series Automated EOD Publication System
3. [Title 49 Code of Federal Regulations - Hazardous Materials](#)
4. [MCWP 10-10E.8 MULTI-SERVICE TACTICS, TECHNIQUES, AND PROCEDURES FOR CHEMICAL, BIOLOGICAL, RADIOLOGICAL, AND NUCLEAR PASSIVE DEFENSE](#)
5. [MCRP 3-17.7L Explosives and Demolitions](#)
6. [JP 3-40 Countering Weapons of Mass Destruction](#)
7. OP 2239 Motor Vehicle Driver's Handbook, Ammunition, Explosives and related Hazardous Materials

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

[EOD-C2-5001: Command and control an EOD platoon](#)

INTERNAL SUPPORTING EVENTS:

[EOD-OPS-3006: Conduct conventional explosive ordnance response](#)
[EOD-OPS-3003: Supervise an EOD Team/Response](#)
[EOD-OPS-3009: Conduct standoff munitions disruption](#)
[EOD-OPS-3010: Conduct Lodged Projectile Removal](#)
[EOD-OPS-3011: Conduct Weapon System Downloading](#)
[EOD-DEMO-3001: Conduct disposal of explosive ordnance](#)
2305-ADMN-2003: Direct Explosive Ordnance Disposal personnel
2305-OPS-2001: Direct operations
2336-OPS-2201: Manage EOD operations

SUPPORT REQUIREMENTS:

EQUIPMENT: Family of EOD equipment.

UNITS/PERSONNEL: Corpsman, 8404, 8425, 8427.

EOD-OPS-4010: Conduct Explosive Ordnance Disposal (EOD) Operations on Weapon Accidents/Incidents

SUPPORTED MET(S):

MCT 6.8 Conduct Explosive Ordnance Disposal (EOD) Operations
MCT 6.8.5 Conduct Explosive Ordnance Disposal (EOD) Operations on Weapon
Accidents/Incidents

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: Department of Defense (DOD) has a responsibility for ensuring a joint 24-hour-a-day capability to meet the initial DOD time-sensitive management requirements for an accident or incident involving US nuclear weapons in DOD or Department of Energy custody, or a military reactor, occurring anywhere in the world. Should Department of State (DOS), the Department of Justice (DOJ), or the Department of Energy request DOD assistance in handling an accident or incident involving nuclear weapons, nuclear material, or improvised nuclear devices, joint EOD will provide support as directed. ([JP 3-42](#), pg. II-4)

CONDITION: Given a nuclear incident or accident, mission, personnel, equipment, and references.

STANDARD: To conduct operations to detect/locate, access, identify, triage, diagnose, stabilize, render safe/neutralize, and recover nuclear weapons. ([MCO 3571.2](#), [MCO 8027.1](#), [MCTP 10-10D](#), [DOD-M 3150.08](#))

EVENT COMPONENTS:

1. Conduct mission analysis.
2. Develop plan.
3. Task organize force.
4. Establish command and control.
5. Conduct site reconnaissance.
6. Monitor and survey environment.
7. Coordinate internal/external support, if applicable.
8. Safeguard classified components.
9. Perform actions upon direction from appropriate authority.
10. Submit reports.

REFERENCES:

PRIMARY REFERENCE:

1. [JP 3-42 Joint Explosive Ordnance Disposal](#)

SUPPLEMENTARY REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. [Title 49 Code of Federal Regulations - Hazardous Materials](#)
3. [DOD-M 3150.08 DOD Response to Nuclear and Radiological Incidents](#)
4. [MCWP 10-10E.8 MULTI-SERVICE TACTICS, TECHNIQUES, AND PROCEDURES FOR CHEMICAL, BIOLOGICAL, RADIOLOGICAL, AND NUCLEAR PASSIVE DEFENSE](#)
5. [MCRP 3-17.7L Explosives and Demolitions](#)
6. [JP 3-40 Countering Weapons of Mass Destruction](#)
7. OP 2239 Motor Vehicle Driver's Handbook, Ammunition, Explosives and related Hazardous Materials
8. [NAVSEA OP 5, VOL 1 Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping](#)
9. [MCO 3571.2 Explosive Ordnance Disposal \(EOD\) Program](#)
10. [MCO 8027.1 Interservice Responsibilities for Explosive Ordnance Disposal](#)

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

[EOD-C2-5001: Command and control an EOD platoon](#)

INTERNAL SUPPORTING EVENTS:

[EOD-CBRN-3002: Conduct emergency decontamination](#)
[EOD-OPS-3007: Support Explosive Ordnance Disposal \(EOD\) Operations on Nuclear Weapon Accidents/Incidents \(Nwai\)](#)
[EOD-OPS-3003: Supervise an EOD Team/Response](#)
[2305-ADMN-2003: Direct Explosive Ordnance Disposal personnel](#)
2305-OPS-2001: Direct operations
2336-OPS-2201: Manage EOD operations

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17962 MOUT Collective Training Facility (Small)

EQUIPMENT: Family of EOD equipment. DSS-MFK, AN/PDX-2, EOD CBRNE Kit, SCBA, Bauer Air Compressor.

UNITS/PERSONNEL: Corpsman, 8404, 8425, 8427.

EOD-OPS-4011: Respond to an Aircraft Incident

SUPPORTED MET(S):

MCT 6.8 Conduct Explosive Ordnance Disposal (EOD) Operations
MCT 6.8.1 Conduct Explosive Ordnance Disposal (EOD) Operations on Unexploded Explosive Ordnance (UXO)
MCT 6.8.4 Conduct Explosive Ordnance Disposal (EOD) Operations on Conventional Ordnance
MCT 6.8.5 Conduct Explosive Ordnance Disposal (EOD) Operations on Weapon Accidents/Incidents

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: EOD sections assist in the extraction of personnel from the aircraft and recovers, renders safe, or destroys any remaining explosives and sensitive components as required in downed/damaged United States and foreign aircraft. [MCTP 10-10D Pg. 3-6](#). A Tactical Recovery of Aircraft and Personnel is a Marine Corps mission performed by an assigned and briefed aircrew for the specific purpose of the recovery of personnel, equipment, and/or aircraft when the tactical situation precludes search and rescue assets from responding and when survivors and their location have been confirmed. [DoD Dictionary of Military and Associated Terms Pg. 210](#).

CONDITION: Given an aircraft incident (downed/damaged United States or foreign), appropriately task organized force, and the EOD family of tools and equipment.

STANDARD: To assist in the extraction of personnel and the recovery, render safe, and/or destruction of remaining explosive hazards and sensitive

components as directed by appropriate authority. [MCTP 10-10D Pg. 3-6](#)

EVENT COMPONENTS:

1. Conduct Mission Analysis with supporting units (R2P2, MCPP).
 - a. Gather detailed aircraft information from supported aviation unit and authorized publications.
 - b. Provide input regarding hazards.
 - c. Provide input regarding time required to complete Commander's Intent.
2. Recommend command relationships with additional supporting units.
3. Task organize response element(s).
4. Coordinate additional support for equipment and personnel as needed from response element(s).
5. Coordinate the custody transfer of sensitive material to appropriate agencies.
6. Submit reports.
7. Conduct Debrief to higher, adjacent, supporting commands as needed.

REFERENCES:

PRIMARY REFERENCE:

1. [NAVSEA OP 5, VOL 1 Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping](#)

SUPPLEMENTARY REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. [ATP 3-04.13 Aircraft Recovery Operations](#)
3. [MCO 3571.2 Explosive Ordnance Disposal \(EOD\) Program](#)
4. [MCTP 3-20B Aviation Ground Support](#)
5. [DoD Dictionary of Military and Associated Terms](#)

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

[EOD-C2-5001: Command and control an EOD platoon](#)

INTERNAL SUPPORTING EVENTS:

[EOD-OPS-3008: Respond to an Aircraft Incident](#)
[EOD-OPS-3003: Supervise an EOD Team/Response](#)
2305-ADMN-2003: Direct Explosive Ordnance Disposal personnel
2305-OPS-2001: Direct operations
2336-OPS-2201: Manage EOD operations

SUPPORT REQUIREMENTS:

ORDNANCE:

| <u>DODIC</u> | <u>QUANTITY</u> |
|--|------------------------|
| G900 Grenade Hand Incendiary Thermite AN-M14 | 6 per Section |
| M131 Cap Blasting Non-Electric M7 | 10 per Section |
| M456 Cord Detonating PETN Type I Class E | 500 FT per Section |
| M670 Fuse Blasting Time M700 | 200 FT per Section |
| M757 Charge Assembly Demolition M183 Comp C-4 | 2 per Section |
| MN08 Igniter Time Blasting Fuse with Shock Tube Capability M81 | 10 per Section |

RANGE/TRAINING AREA:

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

AIRCRAFT: Family of military aircraft.

EQUIPMENT: Family of EOD equipment.

UNITS/PERSONNEL: Corpsman, 8404, 8425, 8427.

3006. 3000-LEVEL EVENTS

EOD-ADMN-3001: Develop Exploitation Procedures

SUPPORTED MET(S):

MCT 6.8 Conduct Explosive Ordnance Disposal (EOD) Operations
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 6.8.4 Conduct Explosive Ordnance Disposal (EOD) Operations on Conventional Ordnance

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: Written disassembly, stripping or inerting procedures will be developed and used throughout the entire exploitation evolution. These written procedures must include radiographic image(s), be reviewed and approved by a Marine Corps EOD Officer, and be followed, step-by-step, during the actual operation. Deviations from procedures are not authorized unless approved, in writing, by both the on-site Range OIC and the Range Safety Officer (RSO). [MCO 3571.2H, Pg. 3-7](#)

CONDITION: Given an intelligence requirement and an explosive ordnance item

STANDARD: To safely recognize, acquire, and evaluate differences, modifications, or previously unknown ordnance. [A-1-1-7 Ch. 1, Para 1.1.a.](#)

EVENT COMPONENTS:

1. Use general EOD safeties until munition type is identified.
 - a. Once munition type is identified, apply munition category safeties.
2. Collect intelligence and information products.
 - a. Gather standing EOD and intelligence collection requirements.
3. Develop procedures IOT meet intelligence collection requirements.
4. Forward procedures to Marine Corps EOD Officer for approval.
5. Track and incorporate approved deviations from procedures.
6. Submit procedures to EODATC upon completion of operations.

REFERENCES:

PRIMARY REFERENCES:

1. [A-1-1-7](#)

SUPPLEMENTARY REFERENCES:

1. [MCO 8027.1 Interservice Responsibilities for Explosive Ordnance Disposal](#)

2. [JP 3-42 Joint Explosive Ordnance Disposal](#)
3. [JP 2-0 Joint Intelligence](#)
4. AEODPS 60 Series Automated EOD Publication System
5. [MCO 3571.2 Explosive Ordnance Disposal \(EOD\) Program](#)
6. [NAVSEA OP 5, VOL 1 Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping](#)
7. Applicable Intelligence Community requirement (Combatant Command/MCIA/DIA/Etc.)
8. DoD Strategy for Unified Exploitation

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

- [EOD-INTL-4001: Conduct a post blast analysis](#)
[EOD-INTL-4002: Conduct Technical Collection and Reporting \(Split from EOD-OPS-4004\)](#)
[EOD-OPS-4002: Perform explosive ordnance exploitation](#)
[EOD-OPS-4004: Conduct-site exploitation](#)
[EOD-OPS-3001: Conduct Tactical Site Exploitation](#)
[EOD-INTL-3002: Conduct Technical Exploitation](#)
[EOD-OPS-3012: Conduct Explosive Ordnance Exploitation](#)

INTERNAL SUPPORTING EVENTS:

- [2305-OPS-2003: Direct Ordnance Exploitation Operations](#)
[2305-INTL-2001: Collate Information](#)
[23XX-IED-2001: Conduct render safe procedure on Improvised Explosive Device \(IED\)](#)
[23XX-INTL-2101: Perform a post-blast analysis](#)
[23XX-INTL-2102: Conduct explosive ordnance exploitation](#)
[23XX-OPS-2002: Perform evidence collection actions.](#)

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17962 MOUT Collective Training Facility (Small)

EQUIPMENT: Family of EOD equipment.

UNITS/PERSONNEL:

Corpsman, 8404, 8425, 8427.

EOD-CBRN-3001: Conduct actions during a Chemical/ Biological incident

SUPPORTED MET(S):

- MCT 6.8 Conduct Explosive Ordnance Disposal (EOD) Operations
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 Explosive Ordnance Disposal (EOD) Operations on Weapons of Mass Destruction (WMD) Including Chemical, Biological, and Radiological Threats
MCT 6.8.4 Conduct Explosive Ordnance Disposal (EOD) Operations on Conventional Ordnance

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: EOD personnel are trained to provide a first response capability at any suspected CBRN incident and to assist with coordination of responses by more specialized national CBRN response assets if required. ([NAVSEA OP 5, VOL 1 Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping](#) p. 2-6/7)

CONDITION: Given a chemical/biological environment, EOD response element, and utilizing EOD tools and equipment.

STANDARD: To locate, confirm, render safe, gross decontamination, package (Leak Seal Pack) disposition and/or biological items. ([JP 3-41, CBRN Response](#), P. I-19) ([JP 3-11, Operations in a CBRN Environment](#), p. G-4.)

EVENT COMPONENTS:

1. Coordinate with the on scene commander.
2. Gather all intelligence and conduct threat assessment.
3. Plot downwind hazard area.
4. Set up a hot line or safe area.
5. Clear the downwind hazard area of all personnel.
6. Choose and don correct PPE.
7. Conduct primary and secondary search for hazards.
8. Request disposition instructions.
9. Prepare RSP tools and equipment.
10. Perform render safe procedure.
11. Conduct leak-seal, packaging, and mitigation techniques on components.
12. Conduct search for additional hazards.
13. Process personnel and equipment through the hot line.
14. Conduct scene turnover.
15. Complete the reporting requirements.

REFERENCES:

PRIMARY REFERENCE:

1. [JP 3-41, CBRN Response](#)
2. [JP 3-11, Operations in a CBRN Environment](#)

SUPPLEMENTARY REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. [National Response Framework](#)
3. [Title 49 Code of Federal Regulations - Hazardous Materials](#)
4. [MCO 3400.11 Countering Weapons of Mass Destruction Policy](#)
5. [MCO 3400.3H Chemical, Biological, Radiological, and Nuclear Defense Training Requirements](#)
6. [MCRP 10-10E.3 Multi-service Doctrine for CBRN Operations](#)
7. [MCRP 10-10E.4 Potential Military Chemical/Biological Agents and Compounds](#)
8. [MCRP 10-10E.5 MTTP for CBRN Contamination Avoidance](#)
9. [MCRP 10-10E.6 MTTP for CBRN Consequence Management Operations](#)
10. [MCRP 10-10E.8 MTTP for CBRN Passive Defense](#)
11. [National Fire Protection Agency standard 472 - standard for Competence of Responders to Hazardous Materials/Weapons of Mass Destruction Incidents](#)

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

EOD-CBRN-4001: Conduct Chemical/Biological response operations

INTERNAL SUPPORTING EVENTS:

2336-OPS-2101: Supervise EOD response element

23XX-ADMN-2001: Employ the automated explosive ordnance disposal publications system (60 Series)

23XX-CBRN-2001: Operate in a chemical/biological environment

23XX-CBRN-2002: Conduct nuclear ordnance operations

23XX-CBRN-2004: Perform Leak, Seal, and Package

23XX-INTL-2001: Conduct reconnaissance on explosive ordnance

23XX-OPS-2001: Employ hook and line techniques

23XX-OPS-2002: Conduct a search for explosive threat

23XX-OPS-2103: Employ protective works

23XX-RSP-2002: Conduct Render Safe Procedure (RSP) on Unexploded Explosive Ordnance (UXO)

23XX-TOOL-2001: Employ the Self-Contained Breathing Apparatus (SCBA)

23XX-TOOL-2005: Employ robotics

23XX-TOOL-2006: Employ EOD disruption tools

23XX-TOOL-2007: Employ radiographic tools

23XX-TOOL-2009: Detect a Radiological Source

SUPPORT REQUIREMENTS:

ORDNANCE:

DODIC

K765 Riot Control Agent

QUANTITY

CS 12 per Section

EQUIPMENT: Family of EOD equipment.

UNITS/PERSONNEL: Corpsman, 8404, 8425, 8427.

EOD-CBRN-3002: Conduct decontamination of personnel

SUPPORTED MET(S):

MCT 6.8 Conduct Explosive Ordnance Disposal (EOD) Operations

MCT 6.8.3 Conduct Explosive Ordnance Disposal (EOD) Operations on Weapons of Mass Destruction (WMD) Including Chemical, Biological, and Radiological Threats

MCT 6.8.5 Conduct Explosive Ordnance Disposal (EOD) Operations on Weapon Accidents/Incidents

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: Decontamination is the process of making any person, object, or area safe by destroying, neutralizing, making harmless, or absorbing and removing chemical or biological agents or by removing radioactive material clinging to or around it. ([JP 3-11](#))

CONDITION: Given a contaminated environment, contaminated personnel, and an established command post.

STANDARD: To limit the spread of contamination from exposed personnel.

EVENT COMPONENTS:

1. Identify personnel who are contaminated.
2. Identify level and method of decontamination.
3. Identify appropriate decontamination process.
4. Process personnel.

REFERENCES:

PRIMARY REFERENCE:

1. AEODPS 60 Series Automated EOD Publication System
2. [JP 3-11 Operations in Nuclear, Biological, Chemical, and Radiological \(CBRN\) Environments](#)

SUPPLEMENTARY REFERENCES:

1. [CFR 49 Code of Federal Regulations - Hazardous Materials](#)
2. [MCO 3400.3 Chemical, Biological, Radiological, and Nuclear Defense Training Requirements](#)
3. [MCTP 10-10D MAGTF Explosive Ordnance Disposal](#)
4. [MCTP 10-10E MAGTF OPERATIONS IN A CBRN ENVIRONMENT](#)

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

- [EOD-CBRN-4001: Conduct Chemical/Biological response operations](#)
[EOD-OPS-4008: Conduct WMD operations](#)
[EOD-OPS-4010: Provide nuclear ordnance operations](#)

INTERNAL SUPPORTING EVENTS:

- [2336-OPS-2101: Supervise EOD response element](#)
[23XX-ADMN-2001: Employ the automated explosive ordnance disposal publications system \(60 Series\)](#)
[23XX-CBRN-2001: Operate in a chemical/biological environment](#)
[23XX-CBRN-2002: Conduct nuclear ordnance operations](#)
[23XX-CBRN-2003: Conduct WMD operations](#)
[23XX-TOOL-2001: Employ the Self-Contained Breathing Apparatus \(SCBA\)](#)
[23XX-TOOL-2009: Detect a Radiological Source](#)

SUPPORT REQUIREMENTS:

ORDNANCE:

DODIC

K765 Riot Control Agent,

QUANTITY

CS 12 per Section

RANGE/TRAINING AREA:

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

EQUIPMENT: Family of EOD equipment.

UNITS/PERSONNEL:

Corpsman, 8404, 8425, 8427.
CBRN Defense Specialist, 5711

MISCELLANEOUS:

ADMINISTRATIVE NOTES:

Levels of Decontamination: The levels of decontamination are immediate, operational, thorough, and clearance. Immediate and operational decontamination operations are typically conducted at the tactical level to sustain combat operations. Thorough decontamination is normally done within the rear area. Clearance decontamination operations are normally conducted post-hostilities using theater or higher level assets to stabilize transition of contaminated forces for redeployment. (JP 3-11 pg. F-1)

Methods of Decontamination: Decontamination is accomplished by neutralization, physical removal, and weathering. (JP 3-11 pg. F-2)

Process: Emergency Personnel Decontamination Station, Buddy Decontamination, Casualty Decontamination, or Emergency Contamination Control Station. (AEODPS A-1-1-11-1)

EOD-DEMO-3001: Conduct Disposal of Explosive Ordnance

SUPPORTED MET(S):

MCT 6.8 Conduct Explosive Ordnance Disposal (EOD) Operations
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 Explosive Ordnance Disposal (EOD) Operations on Weapons of Mass Destruction (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 Explosive Ordnance Disposal (EOD) Operations on Weapon Accidents/Incidents

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: The disposal of ammunition, explosives, and other dangerous articles may be required because of age, deterioration, damage, obsolescence, surplus, lack of identity, or other cause of unserviceability. The disposal may be emergency or routine in nature. EOD personnel may be required to participate in any of the aforementioned disposal operations. Characteristics of the items being disposed of must be taken into consideration when planning disposal operations. [AEODPS A-1-1-31, Ch. 4, Para 4-1](#). Explosive ordnance disposal includes the detection, identification, onsite evaluation, rendering safe, recovery, and final disposition of UXO or comparable threats, regardless of filler, that presents a threat to operations, installations, personnel, or material. [MCTP 10-10D Pg. 2-4](#)

CONDITION: Given demolitions material, the family of EOD tools and equipment, and explosive ordnance.

STANDARD: To detect, identify, evaluate, render safe, recover, and dispose of

ammunition, explosives, other dangerous articles, and comparable threats, regardless of filler, that may be required during emergency or routine events that present a threat to operations, installations, personnel, or material. [AEODPS A-1-1-31, Ch. 4, Para 4-1](#) & [MCTP 10-10D Pg. 2-4](#)

EVENT COMPONENTS:

1. Select disposal method and initial safe area
2. Determine demolition material requirements
3. Calculate safe distance
4. Select disposal site and safe area
5. Determine requirement for protective works
6. Conduct disposal of explosive ordnance/hazards
7. Verify complete disposal of explosive ordnance/hazards
8. Submit reports

PRIMARY REFERENCE:

1. AEODPS 60 Series Automated EOD Publication System

SUPPLEMENTARY REFERENCES:

1. [MCTP 10-10D Pg. 2-4](#)
2. [CFR 49 Code of Federal Regulations - Hazardous Materials](#)
3. [MCO 3440.7 MARINE CORPS ROLES AND RESPONSIBILITIES IN DEFENSE SUPPORT OF CIVIL AUTHORITIES \(DSCA\)](#)
4. [NAVSEA OP 5, VOL 1 Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping](#)
5. [MCO 3571.2 Explosive Ordnance Disposal \(EOD\) Program](#)

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

[EOD-CBRN-4001: Conduct Chemical/Biological response operations](#)
[EOD-OPS-4002: Perform explosive ordnance exploitation](#)
[EOD-OPS-4003: Conduct operational area clearance](#)
[EOD-OPS-4005: Conduct unexploded ordnance \(UXO\) response operations](#)
[EOD-OPS-4009: Conduct conventional explosive ordnance operations](#)
[EOD-OPS-4011: Respond to an Aircraft Incident](#)

INTERNAL SUPPORTING EVENTS:

[2336-OPS-2101: Supervise EOD response element](#)
[23XX-ADMN-2001: Employ the automated explosive ordnance disposal publications system \(60 Series\)](#)
[23XX-ADMN-2002: Select disposal site](#)
[23XX-ADMN-2003: Calculate fragmentation and blast distances](#)
[23XX-ADMN-2101: Apply the military munitions rule](#)
[23XX-DEMO-2001: Initiate a non-electric firing system](#)
[23XX-DEMO-2002: Initiate an electric firing system](#)
[23XX-DEMO-2003: Employ incendiary devices](#)
[23XX-DEMO-2004: Employ a detonating cord system](#)
[23XX-DEMO-2005: Employ shaped charges](#)
[23XX-DEMO-2006: Dispose of explosives by burning](#)
[23XX-DEMO-2007: Conduct propellant burn](#)
[23XX-DEMO-2008: Dispose of explosive ordnance by detonation](#)
[23XX-DEMO-2102: Employ commercial and/or foreign military explosives](#)
[23XX-DEMO-2103: Conduct rocket motor static fire](#)
[23XX-INTL-2001: Conduct reconnaissance on explosive ordnance](#)
[23XX-INTL-2102: Conduct explosive ordnance exploitation](#)
[23XX-OPS-2002: Conduct a search for explosive threat](#)

23XX-RSP-2102: Perform low order techniques
23XX-RSP-2104: Conduct EOD procedures on homemade energetic materials
23XX-RSP-2105: Conduct standoff munitions disruption
23XX-TOOL-2002: Employ remote firing device
23XX-TOOL-2005: Employ robotics

SUPPORT REQUIREMENTS:

ORDNANCE:

| <u>DODIC</u> | <u>QUANTITY</u> |
|--|------------------------|
| M023 Charge Demolition Block M112 1-1/4 pound C-4 | 2 per Marine |
| M131 Cap Blasting Non-Electric M7 | 10 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 Comp C-4 | 1 per Marine |
| M980 Charge Demolition Sheet 0.0831 Inch Thick | 2 FT per Marine |
| M981 Charge Demolition Sheet 0.125 Inch Thick | 2 FT per Marine |
| M982 Charge Demolition Sheet 0.166 Inch Thick | 2 FT per Marine |
| M986- Charge Demolition Sheet 0.333 Inch Thick | 2 FT per Marine |
| MN08 Igniter Time Blasting Fuse with Shock Tube Capability M81 | 10 per Marine |

RANGE/TRAINING AREA:

Facility Code 17830 Light Demolition Range

EQUIPMENT: Family of EOD equipment

UNITS/PERSONNEL:

Corpsman, 8404, 8425, 8427.

EOD-INTL-3001: Conduct Post Blast Analysis

SUPPORTED MET (S):

MCT 6.8 Conduct Explosive Ordnance Disposal (EOD) Operations
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 Explosive Ordnance Disposal (EOD) Operations on Weapons of Mass Destruction (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 Explosive Ordnance Disposal (EOD) Operations on Weapon Accidents/Incidents

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: A post-attack methodology for collecting forensic materiel at an attack scene, to include the area around the target and any blast effects evident on the vehicles, personnel, or infrastructure. The investigation focuses on collecting attack-related material from the area surrounding the attack and the firing point. The materiel collected includes, but is not limited to, munitions fragments, projectiles, empty cartridge cases,

ammunition packaging, casualty information, and explosive residue. Through post-blast analysis, the technical intelligence community can identify how the threat manufactures, employs, and targeting friendly forces. [ATP 3-90.15, Appendix G-1 \(Pg. 101\)](#)

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

STANDARD: To collect forensic material from the post-blast scene as well as the firing point IOT support the identification of how the threat manufactures, employs, and targeting friendly forces. [ATP 3-90.15, Appendix G-1 \(Pg. 101\)](#)

EVENT COMPONENTS:

1. Gather intelligence collection requirements.
2. Conduct mission planning.
 - a. Ensure planning will meet intelligence requirements.
3. Ensure scene is secure.
 - a. Designate a safe area/collection point.
4. Search for secondary devices.
5. Conduct tactical questioning and gather initial reports.
 - a. Provide feedback to intelligence community regarding intelligence requirements.
6. Take initial overview photographs of the scene.
7. Gather fragmentation and forensic evidence.
8. Exploit the crater or detonation site.
9. Take additional detailed photographs of the scene.
10. Research fragmentation to accurately identify Ordnance type/explosive device type, Net Explosive Weight, components, and possible initiation.
 - a. Ensure collections requirements have been met.
11. If required, plot the back azimuth through the maximum range of the weapons system.
12. Submit reports

REFERENCES:

PRIMARY REFERENCE:

1. [ATP 3-90.15 Site Exploitation](#)

SUPPLEMENTARY REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. [MCO 8027.1 Interservice Responsibilities for Explosive Ordnance Disposal](#)
3. [NAVSEA OP 5, VOL 1 Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping](#)

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

[EOD-INTL-4001: Conduct a post blast analysis](#)

INTERNAL SUPPORTING EVENTS:

[2336-OPS-2101: Supervise EOD response element](#)

[23XX-ADMN-2001: Employ the automated explosive ordnance disposal publications system \(60 Series\)](#)

[23XX-IED-2101: Employ electronic counter measures](#)

[23XX-INTL-2001: Conduct reconnaissance on explosive ordnance](#)

[23XX-INTL-2101: Perform a post-blast analysis](#)

[23XX-OPS-2002: Conduct a search for explosive threat](#)
[23XX-RSP-2104: Conduct EOD procedures on homemade energetic materials](#)
[23XX-TOOL-2005: Employ robotics](#)
[23XX-TOOL-2007: Employ radiographic tools](#)

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17430 Impact Area Dudded
Facility Code 17820 Engineer Qualification Range, Non-standardized
Facility Code 17830 Light Demolition Range
Facility Code 17937 Aerial Bombing Range

EQUIPMENT: Family of EOD equipment.

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

UNITS/PERSONNEL: Corpsman, 8404, 8425, 8427.

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: Ordnance requirement covered by event 23XX-INTL-2101: Perform post-blast analysis.

EOD-INTL-3002: Conduct Technical Exploitation

SUPPORTED MET(S):

MCT 6.8 Conduct Explosive Ordnance Disposal (EOD) Operations
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 Explosive Ordnance Disposal (EOD) Operations on Weapons of Mass Destruction (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 Explosive Ordnance Disposal (EOD) Operations on Weapon Accidents/Incidents

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: Technical exploitation is the rapid processing of collected materiel and information, including secondary collection, and the analysis and dissemination of information away from the immediate point of capture. Processing associated with technical exploitation is conducted by functional experts with specialized training and equipment. Technical exploitation focuses on analysis and dissemination of collected information and materiel to provide intelligence to the commander and staff. [ATP 3-90.15 Pg. 4-8.](#) This level is generally non-invasive while details are recorded and materiel is collected, thus preserving the potential recovery of additional information and forensics during secondary collection at higher level facilities. [ATP 2-](#)

[22.4 Pg. 5-3](#)

CONDITION: Given an intelligence requirement, an EOD Response Element, and equipment.

STANDARD: To rapidly process collected materiel and information, including secondary collection, along with the analysis and dissemination of information away from the immediate point of capture. [ATP 2-22.4 Para 5-14 \(PG 5-3\)](#)

EVENT COMPONENTS:

1. Identify and determine condition of item to be exploited
 - a. Collect necessary intelligence and information products
 - b. Gather standing EOD and intelligence collection requirements
2. Handle capture materiel in accordance with chain of custody procedures.
3. Triage the captured materiel appropriately.
 - a. Verify materiel is of intelligence value via S-2 line of communication, EOD Technical Support Center, and/or MCIA.
4. Develop/Review prioritized collection plan.
5. Conduct technical exploitation and/or collection of technical data IAW collection plan.
 - a. Conduct chemical analysis, as applicable.
6. Gather remaining materiel, determine hazard classification, and prepare for shipment to a Level II facility.
7. Submit reports and provide feedback to the intelligence community.
8. Incorporate acquired knowledge into future TTP's, operational threat assessments, and force protection measures.
9. Report on results.

REFERENCES:

PRIMARY REFERENCES:

1. [ATP 2-22.4](#)

SUPPLEMENTARY REFERENCES:

1. [MCO 8027.1 Interservice Responsibilities for Explosive Ordnance Disposal](#)
2. [JP 3-42 Joint Explosive Ordnance Disposal](#)
3. [JP 2-0 Joint Intelligence](#)
4. AEODPS 60 Series Automated EOD Publication System
5. [MCO 3571.2 Explosive Ordnance Disposal \(EOD\) Program](#)
6. [NAVSEA OP 5, VOL 1 Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping](#)
7. Applicable Intelligence Community requirement (Combatant Command/MCIA/DIA/Etc.)
8. DoD Strategy for Unified Exploitation

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

- [EOD-INTL-4001: Conduct a post blast analysis](#)
[EOD-INTL-4002: Conduct Technical Collection and Reporting \(Split from EOD-OPS-4004\)](#)
[EOD-OPS-4002: Perform explosive ordnance exploitation](#)
[EOD-OPS-4004: Conduct-site exploitation](#)
[EOD-OPS-3010: Conduct Lodged Projectile Removal](#)

[EOD-OPS-3011: Conduct Weapon System Downloading](#)
[EOD-OPS-3004: Conduct IED response](#)

INTERNAL SUPPORTING EVENTS:

EOD-ADMN-3001: Develop Exploitation Procedures
EOD-INTL-3001: Conduct Post Blast Analysis
EOD-OPS-3001: Conduct tactical Site Exploitation EOD-OPS-3004: Conduct IED response
2305-OPS-2003: Direct Ordnance Exploitation Operations
[2305-INTL-2001: Collate Information](#)
[23XX-IED-2001: Conduct render safe procedure on Improvised Explosive Device \(IED\)](#)
[23XX-INTL-2101: Perform a post-blast analysis](#)
[23XX-INTL-2102: Conduct explosive ordnance exploitation](#)
[23XX-OPS-2002: Perform evidence collection actions.](#)

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17962 MOUT Collective Training Facility (Small)

EQUIPMENT: Family of EOD equipment.

UNITS/PERSONNEL:

Corpsman, 8404, 8425, 8427.

EOD-OPS-3001: Conduct Tactical Site Exploitation

SUPPORTED MET (S) :

MCT 6.8 Conduct Explosive Ordnance Disposal (EOD) Operations
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 Explosive Ordnance Disposal (EOD) Operations on Weapons of Mass Destruction (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 Explosive Ordnance Disposal (EOD) Operations on Weapon Accidents/Incidents

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: Tactical site exploitation is the methodical process of searching, documenting, gathering, and transporting items of intelligence or evidentiary value from a targeted location for use in operations, questioning, identifying persons of interest, or the judicial process. Tactical site exploitation is executed in support of, or in parallel with direct action, cordon and search, vehicle checkpoint and interdiction operations, raids, high-value individual or high-value target capture, and other missions and operations [ATP 3-90.15 Pg. A-1](#). Exploitation begins at

the incident site with the EOD team/element performing render safe procedures or techniques or conducting a post-blast analysis. This allows for the preservation and immediate collection of material related to the weapon system and enables continued tactical site exploitation of the scene [JP 3-42 Appendix H, Para 3.b. Pg. H-3](#). EOD teams assist in site exploitation missions when explosives are encountered, or explosive devices are suspected IOT perform initial on-site explosive safety and render-safe procedures followed by the production of information related to the tactical design of a site (tactical characterization) [ATP 2-22.4 Para 5-42 Pg. 50](#).

CONDITION: Given a site, intelligence requirement, an EOD Response Element, and equipment.

STANDARD: To search, document, gather, and transport items of intelligence or evidentiary value from a targeted location for use in operations, questioning, identifying persons of interest, or the judicial process. [ATP 3-90.15 Pg. A-1](#)

EVENT COMPONENTS:

1. Conduct mission analysis
 - a. Confirm collection requirements via S-2 lines of communication
 - b. Address PPE considerations and potential atmospheric hazards
2. Develop a comprehensive plan
 - a. Establish the type of exploitation (hasty or deliberate)
 - b. Determine specific on-site exploitation requirements
 - c. Determine additional support requirements
 - d. Confirm the plan meets established collection requirements
 - e. Perform pre-search brief
3. Identify target/hazards - On-scene
 - a. Perform EOD actions as required (RSP, Destroy or other EOD techniques)
4. Process/document the scene IAW established collection plan
 - a. Determine material that meets collection plan
 - b. Confirm processing complete or determine additional requirements
5. Collect on-site material
 - a. Process collected material for further exploitation as required
 - b. On-site exploitation IAW collections plan is conducted
6. Document findings
 - a. Annotate collections requirements gaps
 - b. Provide feedback via S-2 lines of communication
 - c. Provide information to unit that warrants immediate force protection actions that can be taken
7. Report as required.

REFERENCES:

PRIMARY REFERENCE:

1. [ATP 3-90.15, Site Exploitation](#).

SUPPLEMENTARY REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. [DD Form 1907, Chain of Custody Record](#)
3. [CFR 49 Code of Federal Regulations - Hazardous Materials](#)
4. FM 3-11.4 multiservice tactics, techniques, and procedures for nuclear, biological, and chemical (NBC) protection
5. [MCO 8027.1 Interservice Responsibilities for Explosive Ordnance Disposal](#)
6. [MCRP 10-10D.1 MTTPS FOR EXPLOSIVE ORDNANCE DISPOSAL \(EOD\)](#)
7. [MCRP 10-10E.1 MTTP for CBRN Aspects of Command and Control](#)

8. [MCRP 3-34.2 Explosives and Demolitions](#)
9. [NAVSEA OP 5, VOL 1 Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping](#)
10. OP 2239 Motor Vehicle Driver's Handbook, Ammunition, Explosives and related Hazardous Materials
11. [ATP 2-22.4 Technical Intelligence](#)
12. Weapons Technical Intelligence Handbook Version 2.0, March 2014

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

- [EOD-INTL-4001: Conduct a post blast analysis](#)
- [EOD-INTL-4002: Conduct Technical Collection and Reporting \(Split from EOD-OPS-4004\)](#)
- [EOD-OPS-4002: Perform explosive ordnance exploitation](#)
- [EOD-OPS-4004: Conduct site exploitation](#)
- [EOD-OPS-4007: Conduct C-IED operations](#)

INTERNAL SUPPORTING EVENTS:

- [2336-OPS-2101: Supervise EOD response element](#)
- [23XX-ADMN-2001: Employ the automated explosive ordnance disposal publications system \(60 Series\)](#)
- [23XX-IED-2101: Employ electronic counter measures](#)
- [23XX-INTL-2001: Conduct reconnaissance on explosive ordnance](#)
- [23XX-INTL-2101: Perform a post-blast analysis](#)
- [23XX-OPS-2001: Employ hook and line techniques](#)
- [23XX-OPS-2002: Conduct a search for explosive threat](#)
- [23XX-OPS-2103: Employ protective works](#)
- [23XX-RSP-2104: Conduct EOD procedures on homemade energetic materials](#)
- [23XX-TOOL-2005: Employ robotics](#)
- [23XX-TOOL-2007: Employ radiographic tools](#)
- [23XX-TOOL-2101: Conduct vehicle entry techniques](#)

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17962 MOUT Collective Training Facility (Small)

EQUIPMENT: Family of EOD equipment.

UNITS/PERSONNEL: Corpsman, 8404, 8425, 8427.

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

SUPPORTED MET(S):

- MCT 6.8 Conduct Explosive Ordnance Disposal (EOD) Operations
- MCT 6.8.1 Conduct Explosive Ordnance Disposal (EOD) Operations on Unexploded Explosive Ordnance (UXO)
- MCT 6.8.3 Conduct Explosive Ordnance Disposal (EOD) Operations on Weapons of Mass Destruction (WMD) Including Chemical, Biological, and Radiological Threats
- MCT 6.8.4 Conduct Explosive Ordnance Disposal (EOD) Operations on Conventional Ordnance

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: An Unexploded Ordnance Response Operation requires the location, identification, and the categorization of the explosive incident. This response may require the manual/remote movement, establishment of protective works, render safe, safe transportation, and/or disposal of the UXO/EO in order to mitigate explosive threats. ([MCO 8027.1E, Pg. 25-26](#)), ([MCTP 10-10D, Glossary-4](#)), and ([MCO 3571.2H, Pg. 3-2](#))

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

STANDARD: To mitigate threats/hazards to personnel, installations, and equipment.

EVENT COMPONENTS:

1. Conduct mission analysis.
2. Develop plan.
3. Coordinate with approving authorities.
4. Coordinate internal/external support, if applicable.
5. Ensure scene is secure.
6. Conduct actions on objectives.
7. Mitigate collateral damage.
8. Submit reports.

REFERENCES:

PRIMARY REFERENCE:

1. [MCO 8027.1 Interservice Responsibilities for Explosive Ordnance Disposal](#)

SUPPLEMENTARY REFERENCES:

1. [MCO 3571.2 Explosive Ordnance Disposal \(EOD\) Program](#)
2. [NAVSEA OP 5, VOL 1 Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping](#)
3. [AEODPS 60 Series Automated EOD Publication System](#)
4. [CFR Code of Federal Regulations](#)
5. [DESR 6055.09, Defense Explosives Safety Regulation Edition 1](#)
6. [JP 3-28 Defense Support of Civil Authorities](#)

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

[EOD-OPS-4003: Conduct operational area clearance](#)
[EOD-OPS-4005: Conduct unexploded ordnance \(UXO\) response operations](#)

INTERNAL SUPPORTING EVENTS:

[2336-OPS-2101: Supervise EOD response element](#)
[23XX-ADMN-2001: Employ the automated explosive ordnance disposal publications system \(60 Series\)](#)
[23XX-ADMN-2003: Calculate fragmentation and blast distances](#)
[23XX-ADMN-2101: Apply the military munitions rule](#)
[23XX-DEMO-2001: Initiate a non-electric firing system](#)
[23XX-DEMO-2002: Initiate an electric firing system](#)
[23XX-DEMO-2003: Employ incendiary devices](#)
[23XX-DEMO-2004: Employ a detonating cord system](#)

23XX-DEMO-2005: Employ shaped charges
23XX-DEMO-2006: Dispose of explosives by burning
23XX-DEMO-2007: Conduct propellant burn
23XX-DEMO-2008: Dispose of explosive ordnance by detonation
23XX-INTL-2001: Conduct reconnaissance on explosive ordnance
23XX-OPS-2001: Employ hook and line techniques
23XX-OPS-2002: Conduct a search for explosive threat
23XX-OPS-2101: Employ advanced access/disablement techniques
23XX-RSP-2001: Employ Tape and Line Techniques
23XX-RSP-2002: Conduct Render Safe Procedure (RSP) on Unexploded Explosive Ordnance (UXO)
23XX-RSP-2102: Perform low order techniques
23XX-RSP-2105: Conduct standoff munitions disruption
23XX-TOOL-2002: Employ remote firing device
23XX-TOOL-2003: Employ a remote wrench
23XX-TOOL-2004: Locate buried ordnance
23XX-TOOL-2005: Employ robotics
23XX-TOOL-2006: Employ EOD disruption tools
23XX-TOOL-2007: Employ radiographic tools

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17830 Light Demolition Range
Facility Code 17962 MOUT Collective Training Facility (Small)

EQUIPMENT: Family of EOD equipment.

UNITS/PERSONNEL: Corpsman, 8404, 8425, 8427.

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: Ordnance requirement covered by EOD-OPS-4005:
Conduct unexploded ordnance (UXO) response

EOD-OPS-3003: Conduct an EOD Response

SUPPORTED MET(S):

MCT 6.8 Conduct Explosive Ordnance Disposal (EOD) Operations
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 Explosive Ordnance Disposal (EOD) Operations on Weapons of Mass Destruction (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 Explosive Ordnance Disposal (EOD) Operations on Weapon Accidents/Incidents

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 6 months

READINESS-CODED: NO

DESCRIPTION: All EOD responses incorporate individual and team force

protection measures coupled with a required understanding of base-line actions. Additionally, individuals must have an understanding of team roles and responsibilities in order to successfully integrate within tactical level responses from all elements of the MAGTF, sister services, joint forces, and external agencies. EOD personnel are trained and equipped to address. Such an immediate response may include actions in the mitigation, rendering safe, and disposition of suspected or detected presence of UXO, damaged or deteriorated explosives or munitions, an IED, other potentially explosive material or device, or other potentially harmful military chemical munitions or device that creates an actual or potential imminent threat. ([MCO 3571.2H](#), pg. 29)

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

STANDARD: To safely employ and integrate EOD personnel and procedures into mission specific responses across the range of military operations. To conduct hasty Operational Risk Management and rapid/continuous communication with on-scene commanders and security elements.

EVENT COMPONENTS:

1. Conduct Pre-Mission Actions
 - a. Establish individual roles and responsibilities
 - b. Direct team and vehicle load out, as required
 - c. Ensure expendables replenishment
 - d. Ensure Class V (W) is adequate
 - e. Prep Individual tools & equipment
 - f. Prep Team tools & equipment
 - g. Verify load out of individual and vehicle, as required
2. Receipt of requirement, validate requirement, and movement to response.
 - a. Ensure information meets minimum requirements to depart
 - i. Link-up grid
 - ii. Unit designator and contact information
 - iii. Type of response
 - b. Verify Security element
 - c. Establish team location within formation (mounted or dismounted, co-located or dispersed)
 - d. Confirm immediate action requirements
 - e. Confirm unit command and signal
 - f. Depart friendly lines, or safe area if follow-on call
3. Arrive on-scene
 - a. Conduct initial coordination with on-scene commander
 - b. Establish location of threat in comparison to current location
 - c. Receive description of threat from those who located it
 - d. Adjust security and safe area, as required
 - e. Establish initial and downrange Safe Area
4. Conduct mission specific response
5. Conduct post mission, or follow on actions
 - a. Identify resources expended
 - i. Establish if replenishment is required
 - ii. Reset or replace tools and equipment
 - b. Verify team is prepared for future or follow on response
 - c. Develop report
 - d. Submit report

REFERENCES:

PRIMARY REFERENCE:

1. [MCO 3571.2 Explosive Ordnance Disposal \(EOD\) Program](#)
2. AEODPS 60 Series Automated EOD Publication System

SUPPLEMENTARY REFERENCES:

1. [MCWP 5-10 Marine Corps Planning Process](#)
2. [NAVSEA OP 5, VOL 1 Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping](#)

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

- [EOD-CBRN-4001: Conduct Chemical/Biological response operations](#)
- [EOD-OPS-4002: Perform explosive ordnance exploitation](#)
- [EOD-OPS-4003: Conduct surface area clearance](#)
- [EOD-OPS-4004: Conduct-site exploitation](#)
- [EOD-OPS-4005: Conduct unexploded ordnance \(UXO\) response operations](#)
- [EOD-OPS-4007: Conduct C-IED operations](#)
- [EOD-OPS-4008: Conduct WMD operations](#)
- [EOD-OPS-4009: Conduct conventional explosive ordnance operations](#)
- [EOD-OPS-4010: Conduct Explosive Ordnance Disposal \(EOD\) Operations on Weapon Accidents/Incidents](#)
- [EOD-OPS-4011: Respond to an Aircraft Incident](#)
- [EOD-CBRN-3001: Conduct actions during a Chemical/ Biological incident](#)
- [EOD-CBRN-3002: Conduct decontamination of personnel](#)
- [EOD-DEMO-3001: Conduct disposal of explosive ordnance](#)
- [EOD-OPS-3002: Conduct unexploded explosive ordnance \(UXO\) response operations](#)
- [EOD-OPS-3004: Conduct IED response](#)
- [EOD-OPS-3005: Conduct Nuclear and Radiological threat response](#)
- [EOD-OPS-3006: Conduct conventional explosive ordnance response](#)
- [EOD-OPS-3007: Support Explosive Ordnance Disposal \(EOD\) Operations on Nuclear Weapon Accidents/Incidents \(NWA\)](#)
- [EOD-OPS-3008: Respond to an Aircraft Incident](#)
- [EOD-OPS-3009: Conduct standoff munitions disruption](#)
- [EOD-OPS-3010: Conduct Lodged Projectile Removal](#)
- [EOD-OPS-3011: Conduct Weapon System Downloading](#)
- [EOD-OPS-3012: Conduct Explosive Ordnance Exploitation](#)

INTERNAL SUPPORTING EVENTS:

- [2305-OPS-2001: Direct operations](#)
- [2336-OPS-2101: Supervise EOD response element](#)
- [2336-OPS-2201: Manage EOD operations](#)

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17830 Light Demolition Range
Facility Code 17962 MOUT Collective Training Facility (Small)

EQUIPMENT: Family of EOD equipment.

UNITS/PERSONNEL: Corpsman, 8404, 8425, 8427.

EOD-OPS-3004: Conduct IED response

SUPPORTED MET(S):

MCT 6.8 Conduct Explosive Ordnance Disposal (EOD) Operations
MCT 6.8.2 Conduct Explosive Ordnance Disposal (EOD) Operations on Improvised Explosive Devices (IED)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: An improvised explosive device is weapon that is fabricated or emplaced in an unconventional manner incorporating destructive, lethal, noxious, pyrotechnic, or incendiary chemicals. Also called IED. EOD units are the forces employed to render safe and exploit IEDs. (DOD Dictionary & [JP 3-15.1](#) pg. A-9 para. d.)

CONDITION: Given an IED threat.

STANDARD: To render safe, and dispose of all explosive hazards enabling the full exploitation and subsequent dissemination of information. ([JP 3-15.1 Counter-Improvised Explosive Device Operations](#), pg. B-2)

EVENT COMPONENTS:

1. Gather intelligence and conduct threat assessment.
2. Liaison with on Incident Commander(IC)/On Scene Commander (OSC).
3. Confirm the area is clear of personnel and a security cordon is established and maintained.
 - a. Adjust security as required.
 - b. Maintain contact with security.
4. Establish EOD command post/safe area.
 - a. Sweep area for hazards.
5. Search, locate, and isolate explosive threats.
6. Conduct reconnaissance of explosive threat.
7. Perform render safe procedures.
8. Verify render safe procedures are successful.
9. Separate explosive components and collect technical intelligence.
10. Conduct search for additional explosive threats.
11. Request local disposal area and permits as required.
12. Establish and execute disposal plan.
13. Debrief IC/OSC
14. Provide immediate force protection information to squad/platoon/company/unit as required.
15. Submit reports and/or collected items.

REFERENCES:

PRIMARY REFERENCE:

1. AEODPS 60 Series Automated EOD Publication System

SUPPLEMENTARY REFERENCES:

1. [CFR 49 Code of Federal Regulations - Hazardous Materials](#)
2. [DODDIR 3150.5 DOD Response to Improvised Nuclear Device \(IND\) Incidents](#)
3. [DODDIR 3150.8 DOD Response to Radiological Accidents](#)
4. [MCWP 10-10E.8 MULTI-SERVICE TACTICS, TECHNIQUES, AND PROCEDURES FOR CHEMICAL, BIOLOGICAL, RADIOLOGICAL, AND NUCLEAR PASSIVE DEFENSE](#)
5. [MCRP 3-17.7L Explosives and Demolitions](#)
6. [JP 3-40 Countering Weapons of Mass Destruction](#)
7. [NAVSEA OP 5, VOL 1 Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping](#)

8. OP 2239 Motor Vehicle Driver's Handbook, Ammunition, Explosives and related Hazardous Materials

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

EOD-OPS-4003: Conduct operational area clearance

EOD-OPS-4007: Conduct C-IED operations

INTERNAL SUPPORTING EVENTS:

2336-OPS-2101: Supervise EOD response element

23XX-ADMN-2001: Employ the automated explosive ordnance disposal publications system (60 Series)

23XX-ADMN-2003: Calculate fragmentation and blast distances

23XX-DEMO-2001: Initiate a non-electric firing system

23XX-DEMO-2002: Initiate an electric firing system

23XX-DEMO-2003: Employ incendiary devices

23XX-DEMO-2004: Employ a detonating cord system

23XX-DEMO-2006: Dispose of explosives by burning

23XX-DEMO-2101: Employ improvised disruption charges

23XX-IED-2001: Conduct render safe procedure on Improvised Explosive Device (IED)

23XX-IED-2101: Employ electronic counter measures

23XX-INTL-2001: Conduct reconnaissance on explosive ordnance

23XX-OPS-2001: Employ hook and line techniques

23XX-OPS-2002: Conduct a search for explosive threat

23XX-OPS-2102: Operate in confined spaces

23XX-OPS-2103: Employ protective works

23XX-RSP-2102: Perform low order techniques

23XX-RSP-2104: Conduct EOD procedures on homemade energetic materials

23XX-RSP-2105: Conduct standoff munitions disruption

23XX-RSP-2106: Employ volumetric charges

23XX-TOOL-2002: Employ remote firing device

23XX-TOOL-2004: Locate buried ordnance

23XX-TOOL-2005: Employ robotics

23XX-TOOL-2006: Employ EOD disruption tools

23XX-TOOL-2007: Employ radiographic tools

23XX-TOOL-2009: Detect a Radiological Source

23XX-TOOL-2101: Conduct vehicle entry techniques

SUPPORT REQUIREMENTS:

ORDNANCE NOTES:

RANGE/TRAINING AREA:

Facility Code 17830 Light Demolition Range

Facility Code 17962 MOUT Collective Training Facility (Small)

EQUIPMENT: Family of EOD equipment.

UNITS/PERSONNEL: Corpsman, 8404, 8425, 8427.

EOD-OPS-3005: Conduct a Nuclear/Radiological threat response

SUPPORTED MET(S):

MCT 6.8 Conduct Explosive Ordnance Disposal (EOD) Operations
MCT 6.8.3 Conduct Explosive Ordnance Disposal (EOD) Operations on Weapons of Mass Destruction (WMD) Including Chemical, Biological, and Radiological Threats

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: All EOD units have received a level of specialized training, in order to provide rapid triage, threat assessment, and initial diagnostic data as necessary, to an interagency technical network to adjudicate radiological and nuclear threats. EOD can be called upon to respond in support of the Department of Justice, Department of State, Department of Energy, or other interagency partners to an Item of Primary Concern (IPC) within the parameters and guidelines set forth by the lead agency. ([JP 3-42](#), pg. II-6)

CONDITION: Given a Nuclear or Radiological threat.

STANDARD: To detect, locate, identify, and triage in accordance with higher directive. ([MCO 3571.2](#), [MCO 8027.1](#), [MCTP 10-10D](#), [DOD-M 3150.08](#))

EVENT COMPONENTS:

1. Coordinate with Incident Commander or Liaison Officer.
2. Conduct mission analysis.
3. Develop plan.
4. Conduct site reconnaissance
5. Perform initial diagnostics.
6. Coordinate internal/external support, if applicable.
7. Perform actions upon direction from appropriate authority.
8. Monitor and survey environment.
9. Submit reports.

REFERENCES:

PRIMARY REFERENCE:

1. [JP 3-40 Countering Weapons of Mass Destruction](#)

SUPPLEMENTARY 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. [MCWP 10-10E.8 MULTI-SERVICE TACTICS, TECHNIQUES, AND PROCEDURES FOR CHEMICAL, BIOLOGICAL, RADIOLOGICAL, AND NUCLEAR PASSIVE DEFENSE](#)
6. [MCRP 3-17.7L Explosives and Demolitions](#)
7. [NAVSEA OP 5, VOL 1 Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping](#)
8. OP 2239 Motor Vehicle Driver's Handbook, Ammunition, Explosives and related Hazardous Materials

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

[EOD-OPS-4008: Conduct WMD operations](#)

INTERNAL SUPPORTING EVENTS:

[2336-OPS-2101: Supervise EOD response element](#)

[23XX-ADMN-2001: Employ the automated explosive ordnance disposal publications system \(60 Series\)](#)
[23XX-CBRN-2002: Conduct nuclear ordnance operations](#)
[23XX-CBRN-2003: Conduct WMD operations](#)
[23XX-INTL-2001: Conduct reconnaissance on explosive ordnance](#)
[23XX-OPS-2002: Conduct a search for explosive threat](#)
[23XX-OPS-2101: Employ advanced access/disablement techniques](#)
[23XX-TOOL-2001: Employ the Self-Contained Breathing Apparatus \(SCBA\)](#)
[23XX-TOOL-2005: Employ robotics](#)
[23XX-TOOL-2006: Employ EOD disruption tools](#)
[23XX-TOOL-2007: Employ radiographic tools](#)

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17830 Light Demolition Range
Facility Code 17962 MOUT Collective Training Facility (Small)

EQUIPMENT: Family of EOD equipment.

UNITS/PERSONNEL: Corpsman, 8404, 8425, 8427.

ADMINISTRATIVE INSTRUCTIONS:

RECOMMEND ATTENDING:

ADVANCED DIAGNOSTICS TRAINING LEVEL 1 - CID: F04PXV1
ADVANCED DIAGNOSTICS TRAINING LEVEL 2 - CID: F04PXZ1

EOD-OPS-3006: Conduct conventional explosive ordnance response

SUPPORTED MET(S):

MCT 6.8 Conduct Explosive Ordnance Disposal (EOD) Operations
MCT 6.8.4 Conduct Explosive Ordnance Disposal (EOD) Operations on Conventional Ordnance

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: Conventional Explosive Ordnance Operations include weapons systems downloading, lodged projectile removal, propellant burns, and rocket motor static fire. These operations include the ability to detect/locate, access, identify, triage, diagnose, stabilize, and recover explosive ordnance. [MCTP 10-10D Ch. 2 Capabilities](#), the [MCO 8027.1E \(Para 4-2\)](#), [MCT 6.8.4 DESCRIPTION Pg. 3](#).

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

STANDARD: To mitigate hazards of explosive ordnance and weapon systems.

EVENT COMPONENTS:

1. Develop plan
 - a. Determine demolition requirement as applicable
2. Coordinate internal/external support, if applicable
3. Conduct actions in order to mitigate the hazards

4. Submit reports

REFERENCES:

PRIMARY REFERENCE:

1. AEODPS 60 Series Automated EOD Publication System

SUPPLEMENTARY REFERENCES:

1. [Title 49 Code of Federal Regulations - Hazardous Materials](#)
2. [DODDIR 3150.5 DOD Response to Improvised Nuclear Device \(IND\) Incidents](#)
3. [DODDIR 3150.8 DOD Response to Radiological Accidents](#)
4. [MCWP 10-10E.8 MULTI-SERVICE TACTICS, TECHNIQUES, AND PROCEDURES FOR CHEMICAL, BIOLOGICAL, RADIOLOGICAL, AND NUCLEAR PASSIVE DEFENSE](#)
5. [MCRP 3-17.7L Explosives and Demolitions](#)
6. [JP 3-40 Countering Weapons of Mass Destruction](#)
7. [NAVSEA OP 5, VOL 1 Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping](#)
8. OP 2239 Motor Vehicle Driver's Handbook, Ammunition, Explosives and related Hazardous Materials

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

[EOD-OPS-4003: Conduct operational area clearance](#)
[EOD-OPS-4009: Conduct conventional explosive ordnance operations](#)

INTERNAL SUPPORTING EVENTS:

[2336-OPS-2101: Supervise EOD response element](#)
[23XX-ADMN-2001: Employ the automated explosive ordnance disposal publications system \(60 Series\)](#)
[23XX-ADMN-2003: Calculate fragmentation and blast distances](#)
[23XX-ADMN-2101: Apply the military munitions rule](#)
[23XX-DEMO-2001: Initiate a non-electric firing system](#)
[23XX-DEMO-2002: Initiate an electric firing system](#)
[23XX-DEMO-2003: Employ incendiary devices](#)
[23XX-DEMO-2004: Employ a detonating cord system](#)
[23XX-DEMO-2005: Employ shaped charges](#)
[23XX-DEMO-2006: Dispose of explosives by burning](#)
[23XX-DEMO-2007: Conduct propellant burn](#)
[23XX-DEMO-2008: Dispose of explosive ordnance by detonation](#)
[23XX-INTL-2001: Conduct reconnaissance on explosive ordnance](#)
[23XX-OPS-2001: Employ hook and line techniques](#)
[23XX-OPS-2002: Conduct a search for explosive threat](#)
[23XX-OPS-2101: Employ advanced access/disablement techniques](#)
[23XX-OPS-2103: Employ protective works](#)
[23XX-RSP-2101: Remove lodged projectile](#)
[23XX-RSP-2102: Perform low order techniques](#)
[23XX-RSP-2103: Download explosive ordnance](#)
[23XX-TOOL-2002: Employ remote firing device](#)
[23XX-TOOL-2003: Employ a remote wrench](#)
[23XX-TOOL-2004: Locate buried ordnance](#)
[23XX-TOOL-2007: Employ radiographic tools](#)

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17830 Light Demolition Range

Facility Code 17962 MOUT Collective Training Facility (Small)

EQUIPMENT: Family of EOD equipment.

UNITS/PERSONNEL: Corpsman, 8404, 8425, 8427.

EOD-OPS-3007: Support Explosive Ordnance Disposal (EOD) Operations on Nuclear Weapon Accidents/Incidents (Nwai)

SUPPORTED MET(S):

MCT 6.8 Conduct Explosive Ordnance Disposal (EOD) Operations

MCT 6.8.5 Conduct Explosive Ordnance Disposal (EOD) Operations on Weapon Accidents/Incidents

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: Department of Defense (DOD) has a responsibility for ensuring a joint 24-hour-a-day capability to meet the initial DOD time-sensitive management requirements for an accident or incident involving US nuclear weapons in DOD or Department of Energy (DoE) custody, or a military reactor, occurring anywhere in the world. Should Department of State (DoS), the Department of Justice (DoJ), or the DoE request DoD assistance in handling an accident or incident involving nuclear weapons, nuclear material, or improvised nuclear devices, joint EOD will provide support as directed. ([JP 3-42](#), pg. II-4)

CONDITION: Given an Nwai, mission, personnel, equipment, and references.

STANDARD: To conduct operations to detect/locate, access, identify, triage, diagnose, stabilize, render safe/neutralize, and recover nuclear weapons. ([MCO 3571.2](#), [MCO 8027.1](#), [MCTP 10-10D](#), [DOD-M 3150.08](#))

EVENT COMPONENTS:

1. Conduct mission analysis.
2. Develop plan.
3. Link up with on scene commander.
4. Conduct site reconnaissance/initial diagnostics.
5. Coordinate internal/external support.
6. Safeguard classified components.
7. Perform actions upon direction from appropriate authority.
8. Monitor and survey environment.
9. Submit reports.

REFERENCES:

PRIMARY REFERENCE:

1. AEODPS 60 Series Automated EOD Publication System

SUPPLEMENTARY REFERENCES:

1. [Title 49 Code of Federal Regulations - Hazardous Materials](#)
2. [DODDIR 3150.5 DOD Response to Improvised Nuclear Device \(IND\) Incidents](#)
3. [DODDIR 3150.8 DOD Response to Radiological Accidents](#)
4. [MCWP 10-10E.8 MULTI-SERVICE TACTICS, TECHNIQUES, AND PROCEDURES FOR](#)

CHEMICAL, BIOLOGICAL, RADIOLOGICAL, AND NUCLEAR PASSIVE DEFENSE

5. MCRP 3-17.7L Explosives and Demolitions
6. JP 3-40 Countering Weapons of Mass Destruction
7. NAVSEA OP 5, VOL 1 Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping
8. OP 2239 Motor Vehicle Driver's Handbook, Ammunition, Explosives and related Hazardous Materials

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

EOD-OPS-4010: Provide nuclear ordnance operations

INTERNAL SUPPORTING EVENTS:

2336-OPS-2101: Supervise EOD response element
23XX-ADMN-2001: Employ the automated explosive ordnance disposal publications system (60 Series)
23XX-CBRN-2002: Conduct nuclear ordnance operations
23XX-INTL-2001: Conduct reconnaissance on explosive ordnance
23XX-OPS-2002: Conduct a search for explosive threat
23XX-TOOL-2001: Employ the Self-Contained Breathing Apparatus (SCBA)
23XX-TOOL-2005: Employ robotics
23XX-TOOL-2009: Detect a Radiological Source

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17830 Light Demolition Range
Facility Code 17962 MOUT Collective Training Facility (Small)

EQUIPMENT: Family of EOD equipment.

UNITS/PERSONNEL: Corpsman, 8404, 8425, 8427.

EOD-OPS-3008: Respond to an Aircraft Incident

SUPPORTED MET (S):

MCT 6.8 Conduct Explosive Ordnance Disposal (EOD) Operations
MCT 6.8.1 Conduct Explosive Ordnance Disposal (EOD) Operations on Unexploded Explosive Ordnance (UXO)
MCT 6.8.4 Conduct Explosive Ordnance Disposal (EOD) Operations on Conventional Ordnance
MCT 6.8.5 Conduct Explosive Ordnance Disposal (EOD) Operations on Weapon Accidents/Incidents

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: An EOD Response Element assists in the extraction of personnel from the aircraft and recovers, renders safe, or destroys any remaining explosives and sensitive components as required in downed/damaged United States and foreign aircraft. MCTP 10-10D Pg. 3-6. A Tactical Recovery of Aircraft and Personnel is a Marine Corps mission performed by an assigned and briefed aircrew for the specific purpose of the recovery of personnel,

equipment, and/or aircraft when the tactical situation precludes search and rescue assets from responding and when survivors and their location have been confirmed. [DoD Dictionary of Military and Associated Terms Pg. 210.](#)

CONDITION: Given an aircraft incident (downed/damaged United States or foreign) and the EOD family of tools and equipment.

STANDARD: To assist in the extraction of personnel and the recovery, render safe, and/or destruction of remaining explosive hazards and sensitive components as directed by appropriate authority. [MCTP 10-10D Pg. 3-6](#)

EVENT COMPONENTS:

1. Integrate into mission planning
 - a. Gather detailed aircraft information from all available sources
 - b. Provide input regarding hazards
 - c. Provide input regarding time/resources required to complete Commander's Intent
2. Coordinate additional support for equipment and personnel as needed
3. Destroy, Dispose, Render Safe, or Recover components as required.
4. Coordinate the custody transfer of sensitive material to appropriate agencies
5. Conduct Debrief to higher, adjacent, supporting commands as needed
6. Submit reports

REFERENCES:

PRIMARY REFERENCE:

1. [NAVSEA OP 5, VOL 1 Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping](#)

SUPPLEMENTARY REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. [ATP 3-04.13 Aircraft Recovery Operations](#)
3. [MCO 3571.2 Explosive Ordnance Disposal \(EOD\) Program](#)
4. [MCTP 3-20B Aviation Ground Support](#)

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

[EOD-OPS-4011: Respond to an Aircraft Incident](#)

INTERNAL SUPPORTING EVENTS:

[2336-OPS-2101: Supervise EOD response element](#)
[23XX-ADMN-2001: Employ the automated explosive ordnance disposal publications system \(60 Series\)](#)
[23XX-ADMN-2003: Calculate fragmentation and blast distances](#)
[23XX-ADMN-2101: Apply the military munitions rule](#)
[23XX-DEMO-2001: Initiate a non-electric firing system](#)
[23XX-DEMO-2002: Initiate an electric firing system](#)
[23XX-DEMO-2003: Employ incendiary devices](#)
[23XX-DEMO-2004: Employ a detonating cord system](#)
[23XX-DEMO-2005: Employ shaped charges](#)
[23XX-DEMO-2006: Dispose of explosives by burning](#)
[23XX-INTL-2001: Conduct reconnaissance on explosive ordnance](#)
[23XX-OPS-2001: Employ hook and line techniques](#)
[23XX-OPS-2002: Conduct a search for explosive threat](#)
[23XX-OPS-2101: Employ advanced access/disablement techniques](#)

23XX-RSP-2001: Employ Tape and Line Techniques
23XX-RSP-2003: Conduct Render Safe Procedure (RSP) on aircraft explosive hazards
23XX-RSP-2101: Remove lodged projectile
23XX-TOOL-2001: Employ the Self-Contained Breathing Apparatus (SCBA)
23XX-TOOL-2002: Employ remote firing device
23XX-TOOL-2004: Locate buried ordnance
23XX-TOOL-2005: Employ robotics
23XX-TOOL-2007: Employ radiographic tools

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

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

AIRCRAFT: Family of military aircraft.

EQUIPMENT: Family of EOD equipment.

UNITS/PERSONNEL: Corpsman, 8404, 8425, 8427.

EOD-OPS-3009: Conduct standoff munitions disruption

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

SUPPORTED MET(s):

MCT 6.8 Conduct Explosive Ordnance Disposal (EOD) Operations
MCT 6.8.1 Conduct Explosive Ordnance Disposal (EOD) Operations on Unexploded Explosive Ordnance (UXO)

DESCRIPTION: Standoff Munitions Disruption (SMUD) provides an expedient means of disrupting large numbers of high explosive filled munitions, utilizing a service weapon, so that area recovery or tactical operations can proceed as quickly as possible.

CONDITION: Given a service weapon system and a high explosive filled munition.

STANDARD: To produce a deflagration that reduces or eliminates the threat of the munition

EVENT COMPONENTS:

1. Identify explosive hazard
2. Select appropriate service weapon system
3. Evaluate environmental conditions
4. Develop employment plan
5. Task organize response element
6. Determine Safe area
7. Determine surface danger zone
8. Employ hazard mitigation techniques
9. Conduct standoff munition disruption
10. Verify results
11. Submit Reports

REFERENCES:

PRIMARY REFERENCE:

1. [MCTP 10-10D MAGTF EOD](#)
2. A-2-1-73-3

SUPPLEMENTARY REFERENCES:

1. AEODPS 60 series automated EOD Publication System
2. [MCO 3574.2 Marine Corps Combat Marksmanship Program](#)
3. TM 11110A-01 LONG RANGE SNIPER RIFLE M107
4. [TM 11110A-OR Long Range Sniper Rifle, USMC Special Application Scoped Rifle \(SASR\)](#)
5. TM 11110-OR/A Operator's Manual for Long Range Sniper Rifle
6. [TM 11920A-OR M110 Mk11Mod2 SASS](#)

INTERNAL SUPPORTED EVENTS:

[EOD-OPS-4003: Conduct surface area clearance](#)
[EOD-OPS-4005: Conduct unexploded ordnance \(UXO\) response operations](#)
[EOD-OPS-3002: Conduct unexploded explosive ordnance \(UXO\) response operations](#)

INTERNAL SUPPORTING EVENTS:

[23XX-ADMN-2001: Employ the automated explosive ordnance disposal publications system \(60 Series\)](#)
[23XX-ADMN-2003: Calculate fragmentation and blast distances](#)
[23XX-OPS-2002: Conduct a search for explosive threat](#)
[23XX-OPS-2103: Employ protective works](#)
[23XX-TOOL-2006: Employ EOD disruption tools](#)
[23XX-TOOL-2102: Employ a precision fire weapon system](#)

SUPPORT REQUIREMENTS:

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

ORDNANCE:

| <u>DODIC</u> | <u>QUANTITY</u> |
|---|---------------------------|
| A552 Cartridge, Caliber .50 Ball, Ctn F/M | 10 per Marine |
| A606 Cartridge, Caliber .50 API MK211 Mod | 10 per Marine |
| AA03 Cartridge, 7.62mm AP M993 Single Rou | 10 per Marine |
| AA11 Cartridge, 7.62mm Long Range M118 LR | 40 per Marine |
| D502 Projectile, 155mm ADAM-S M731 | 1 projectiles per Section |
| D509 Projectile, 155mm Anti-Tank RAAM-S M | 1 projectiles per Section |
| D864 Projectile, 155mm ER DPICM M864 | 1 projectiles per Section |

MISCELLANEOUS:

Equipment:

Family of EOD Equipment
M110 SASS
M107 SASR

Other Units/Personnel:

Corpsman, 8494, 8425, 8427, Precision weapon repair technician 2112

Notes: Units should contact local installation ammunition storage activities IOT supplement target munition requirements.
TM 11920A-OR M110 Mk11Mod2 SASS

EOD-OPS-3010: Conduct Lodged Projectile Removal

SUPPORTED MET(S):

MCT 6.8 Conduct Explosive Ordnance Disposal (EOD) Operations
MCT 6.8.4 Conduct Explosive Ordnance Disposal (EOD) Operations on Conventional Ordnance

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: Applicable publications generally provide sufficient instructions for the removal of ammunition from a weapon by the crew or operator. The main concern of the weapon crew is to return a weapon to operational status without damage. Although lodged projectiles have been removed without apparent damage to a weapon, it is emphasized that undetected hazardous conditions may exist within a tube. If prescribed procedures for removal of a lodged projectile fail, the assistance of EOD personnel may be requested. [A-2-1-38 Pg. 7](#)

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

STANDARD: To return a weapon to operational status without damage. [A-2-1-38 Pg. 7](#)

EVENT COMPONENTS:

1. Validate requirement for EOD support
 - a. Confirm gun crew has completed all approved procedures
2. Develop plan
 - a. Determine Class V requirement as applicable
3. Link-up with supported unit
4. Coordinate internal/external support, if applicable
5. Execute approved procedures IAW the applicable publication.
6. Debrief supported unit
7. Submit reports

REFERENCES:

PRIMARY REFERENCE:

1. AEODPS 60 Series Automated EOD Publication System

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

[EOD-OPS-4002: Perform explosive ordnance exploitation](#)
[EOD-OPS-4009: Conduct conventional explosive ordnance operations](#)
[EOD-OPS-4011: Respond to an Aircraft Incident](#)
[EOD-OPS-3006: Conduct conventional explosive ordnance response](#)

INTERNAL SUPPORTING EVENTS:

23XX-ADMN-2001: Employ the automated explosive ordnance disposal publications system (60 Series)
23XX-DEMO-2001: Initiate a non-electric firing system
23XX-DEMO-2002: Initiate an electric firing system
23XX-RSP-2101: Remove lodged projectile

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17830 Light Demolition Range
Facility Code 17962 MOUT Collective Training Facility (Small)

EQUIPMENT: Family of EOD equipment.

UNITS/PERSONNEL: Corpsman, 8404, 8425, 8427.

EOD-OPS-3011: Conduct Weapon System Downloading

SUPPORTED MET (S):

MCT 6.8 Conduct Explosive Ordnance Disposal (EOD) Operations
MCT 6.8.4 Conduct Explosive Ordnance Disposal (EOD) Operations on Conventional Ordnance

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: Weapon systems downloading is completed to collect information and material in support of intelligence, force protection, demilitarization, recovery, and re-distribution. Detailed exploitation may be required to be completed on the weapon system and associated explosive hazards. (AEODPS 60 Series Automated EOD Publication System)

CONDITION: Given a loaded weapon system.

STANDARD: To safe the weapon system, segregate explosive hazards when applicable IOT allow for the safe completion of additional exploitation when required. (AEODPS 60 Series Automated EOD Publication System)

EVENT COMPONENTS:

1. Validate download requirement and intended disposition
2. Conduct weapon system research and develop a plan IAW approved technical manual, AEODPS, or locally developed procedures.
 - a. Acquire appropriate weapon system technical manuals
3. Determine appropriate tools or equipment
4. Link-up with supported unit
5. Coordinate internal/external support, if applicable
6. Due to complexity/differences in weapon systems, execute procedures IAW approved technical manual, AEODPS, or locally developed procedures.
7. Debrief supported unit
8. Submit reports

REFERENCES:

PRIMARY REFERENCE:

1. AEODPS 60 Series Automated EOD Publication System

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

[EOD-OPS-4009: Conduct conventional explosive ordnance operations](#)

INTERNAL SUPPORTING EVENTS:

[23XX-RSP-2103: Download explosive ordnance](#)

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17830 Light Demolition Range

Facility Code 17962 MOUT Collective Training Facility (Small)

EQUIPMENT: Family of EOD equipment.

UNITS/PERSONNEL: Corpsman, 8404, 8425, 8427

EOD-OPS-3012: Conduct Explosive Ordnance Exploitation

SUPPORTED MET (s) :

MCT 6.8 Conduct Explosive Ordnance Disposal (EOD) Operations

MCT 6.8.1 Conduct Explosive Ordnance Disposal (EOD) Operations on Unexploded Explosive Ordnance (UXO)

MCT 6.8.4 Conduct Explosive Ordnance Disposal (EOD) Operations on Conventional Ordnance

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 Months

READINESS-CODED: NO

DESCRIPTION: Collection of technical intelligence data from Ordnance or Weapon system is pivotal to situational awareness within the battlespace. Explosive ordnance exploitation includes but is not limited to, disassembly, stripping, inerting, evidence collection, captured enemy ammunition (CEA) evaluation/inspection, and radiographic (x-ray) interpretation. These operation increase individual knowledge, provide commanders with the ability to conduct field exploitation for evaluation and technical intelligence of explosive ordnance and components, and in some cases support national strategic requests for information when dealing with country of origin issues for foreign ordnance. Additionally, explosive ordnance exploitation supports force protection, when domestic or allied country ordnance experiences unacceptably high failure rates, and supports historical preservation. ([MCO 3571.2 Explosive Ordnance Disposal \(EOD\) Program](#), Pg. 3-5)

CONDITION: Given an ordnance item or weapon system of intelligence value.

STANDARD: To strip, disassemble, or inert in order to gain technical weapons data. ([MCO 3571.2 Explosive Ordnance Disposal \(EOD\) Program](#), pg. 3-5)

EVENT COMPONENTS:

1. Research item to be exploited.
2. Verify Current Intelligence Requirements via S-2 lines of communication.
3. Develop procedures.
 - a. Verify plan satisfies intelligence requirements
4. Execute procedures.
5. Collect technical intelligence data.
6. Submit reports in accordance with the 60A-1-1-7 Field Evaluation and Intelligence.

REFERENCES:

PRIMARY REFERNECES:

1. 60A-1-1-7 Field Evaluation and Intelligence

SUPPLEMENTARY REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. [MCO 3571.2 Explosive Ordnance Disposal \(EOD\) Program](#)
3. [NAVSEA OP 5, VOL 1 Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping](#)
4. [Field Photo Guide for EOD](#)

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

- [EOD-INTL-4001: Conduct a post blast analysis](#)
- [EOD-INTL-4002: Conduct Technical Collection and Reporting \(Split from EOD-OPS-4004\)](#)
- [EOD-OPS-4002: Perform explosive ordnance exploitation](#)
- [EOD-OPS-4004: Conduct site exploitation](#)
- [EOD-OPS-3001: Conduct Tactical Site Exploitation](#)
- [EOD-INTL-3002: Conduct Technical Exploitation](#)

INTERNAL SUPPORTING EVENTS:

- [2305-OPS-2003: Direct Ordnance Exploitation Operations](#)
- [2305-INTL-2001: Collate Information](#)
- [23XX-IED-2001: Conduct render safe procedure on Improvised Explosive Device \(IED\)](#)
- [23XX-INTL-2101: Perform a post-blast analysis](#)
- [23XX-INTL-2102: Conduct explosive ordnance exploitation](#)
- [23XX-OPS-2002: Perform evidence collection actions.](#)

SUPPORT REQUIREMENTS: Ordnance is captured at the 4000 level.

RANGE/TRAINING AREA:

Facility Code 17410 Maneuver/Training Area, Light Forces
Facility Code 17830 Light Demolition Range
Facility Code 17963 MOUT Collective Training Facility (Large)

EQUIPMENT: Family of EOD equipment.

UNITS/PERSONNEL: Corpsman, 8404, 8425, 8427.

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CHAPTER 4: EOD COMMON EVENTS

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EOD T&R MANUAL

CHAPTER 4

EOD COMMON EVENTS

4000. PURPOSE

This chapter details the common individual events that pertain to both officer and enlisted Marines within the EOD community. 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 and/or military occupational specialty code. This chapter contains the following codes:

| <u>Code</u> | <u>DESCRIPTION</u> |
|-------------|--------------------------|
| 23XX | Common Individual Events |

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

| <u>Code</u> | <u>DESCRIPTION</u> |
|-------------|---|
| ADMN | Administrative |
| CBRN | Chemical, Biological, Radiological, Nuclear |
| DEMO | Demolition |
| IED | Improvised Explosive Device |
| INTL | Intelligence |
| MED | Medical |
| OPS | Operations |
| PARA | Parachute |
| 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:

| <u>Code</u> | <u>DESCRIPTION</u> |
|-------------|--------------------|
| 2000 | Core Skills |
| 2100 | Core Plus Skills |

4002. INDEX OF EVENTS

| Event Code | Event |
|--------------------------|--|
| 2000 Level Events | |
| 23XX-ADMN-2001 | Employ the automated explosive ordnance disposal publications system (60 Series) |
| 23XX-ADMN-2002 | Select disposal/treatment site |
| 23XX-ADMN-2003 | Calculate fragmentation and blast distances |
| 23XX-ADMN-2101 | Apply the military munitions rule |
| 23XX-ADMN-2102 | Provide EOD support to the Marine Corps Planning Process (MCP) |
| 23XX-CBRN-2001 | Operate in a chemical/biological environment |
| 23XX-CBRN-2002 | Support Explosive Ordnance Disposal (EOD) Operations on Nuclear Weapon Accidents/Incidents (NWA) |
| 23XX-CBRN-2003 | Support a Nuclear/Radiological threat response |
| 23XX-CBRN-2004 | Perform Leak, Seal, and Package |
| 23XX-DEMO-2001 | Initiate a non-electric firing system |
| 23XX-DEMO-2002 | Initiate an electric firing system |
| 23XX-DEMO-2003 | Employ AN-M14 incendiary hand grenade |
| 23XX-DEMO-2004 | Employ a detonating cord system |
| 23XX-DEMO-2005 | Employ shaped charges |
| 23XX-DEMO-2006 | Dispose of explosives by burning |
| 23XX-DEMO-2007 | Conduct propellant burn |
| 23XX-DEMO-2008 | Dispose of explosive ordnance by detonation |
| 23XX-DEMO-2101 | Employ improvised disruption charges |
| 23XX-DEMO-2102 | Employ commercial and/or foreign military explosives |
| 23XX-DEMO-2103 | Conduct rocket motor static fire |
| 23XX-IED-2001 | Conduct render safe procedure on Improvised Explosive Device (IED) |
| 23XX-IED-2101 | Employ counter radio-controlled improvised explosive device electronic warfare (CREW) system |
| 23XX-INTL-2001 | Conduct Reconnaissance on Explosive Ordnance |
| 23XX-INTL-2101 | Perform a post-blast analysis |
| 23XX-INTL-2102 | Conduct explosive ordnance exploitation |
| EOD-LTRL-2001 | Conduct Open and Closed Circuit Diving Operations |
| EOD-LTRL-2002 | Conduct Render Safe Procedure on Underwater Explosive Ordnance |
| EOD-LTRL-2003 | Employ LEON EOD Remotely Operated Vehicle (ROV) |
| 23XX-MED-2001 | Perform Tactical Field Care (TFC) |
| 23XX-OPS-2001 | Employ hook and line techniques |
| 23XX-OPS-2002 | Conduct a search for explosive threat |
| 23XX-OPS-2003 | Perform evidence collection actions |
| 23XX-OPS-2101 | Employ advanced access/disablement techniques |
| 23XX-OPS-2102 | Operate in confined spaces |
| 23XX-OPS-2103 | Employ protective works |
| 23XX-PARA-2101 | Conduct a low level static line jump |
| 23XX-RSP-2001 | Employ Tape and Line Techniques |
| 23XX-RSP-2002 | Conduct Render Safe Procedure (RSP) on Unexploded Explosive Ordnance (UXO) |
| 23XX-RSP-2003 | Conduct Render Safe Procedure (RSP) on aircraft explosive hazards |
| 23XX-RSP-2101 | Remove lodged projectile |
| 23XX-RSP-2102 | Perform low order techniques |
| 23XX-RSP-2103 | Download explosive ordnance |

| | |
|----------------|---|
| 23XX-RSP-2104 | Conduct EOD Procedures on Homemade Explosive (HME) material |
| 23XX-RSP-2106 | Employ Explosively Driven Water Charge |
| 23XX-TOOL-2001 | Employ the Self-Contained Breathing Apparatus (SCBA) |
| 23XX-TOOL-2002 | Employ remote firing device |
| 23XX-TOOL-2003 | Employ a remote wrench |
| 23XX-TOOL-2004 | Locate buried ordnance |
| 23XX-TOOL-2005 | Employ robotics |
| 23XX-TOOL-2006 | Employ EOD disruption tools |
| 23XX-TOOL-2007 | Employ radiographic tools |
| 23XX-TOOL-2009 | Detect a Radiological Source |
| 23XX-TOOL-2010 | Employ detector to identify chemical hazards |
| 23XX-TOOL-2101 | Conduct vehicle entry techniques |
| 23XX-TOOL-2102 | Employ a precision fire weapon system |

4003. CORE SKILLS

23XX-ADMN-2001: Employ the automated explosive ordnance disposal publications system (60 Series)

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

READINESS-CODED: NO

DESCRIPTION: The Automated Explosive Ordnance Disposal Publication System (AEODPS) is the classified system covering the use of EOD specific tools, safety precautions, general information, tested and untested EOD render safe and disposal procedures on all types of explosive ordnance. ([MCO 3571.2](#) pg. 4-4 para. 5. a.)

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 specific information on a munition (ex: nomenclature, measurements, shapes, colors, construction, fittings, and features)

STANDARD: To identify the correct publication.

PERFORMANCE STEPS:

1. Input information.
2. Decipher results.
3. Select publication.

REFERENCES:

1. DSS User's Guide
2. [MCO 3571.2](#) Explosive Ordnance Disposal (EOD) Program

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

EOD-CBRN-3001: Conduct actions during a Chemical/ Biological incident
EOD-CBRN-3002: Conduct decontamination of personnel
EOD-DEMO-3001: Conduct disposal of explosive ordnance
EOD-INTL-3001: Conduct Post Blast Analysis
EOD-OPS-3001: Conduct Tactical Site Exploitation
EOD-OPS-3002: Conduct unexploded explosive ordnance (UXO) response operations
EOD-OPS-3004: Conduct IED response
EOD-OPS-3005: Conduct Nuclear and Radiological threat response
EOD-OPS-3006: Conduct conventional explosive ordnance response
EOD-OPS-3007: Support Explosive Ordnance Disposal (EOD) Operations on Nuclear Weapon Accidents/Incidents (Nwai)
EOD-OPS-3008: Respond to an Aircraft Incident
EOD-OPS-3009: Conduct standoff munitions disruption
EOD-OPS-3010: Conduct Lodged Projectile Removal
EOD-OPS-3011: Conduct Weapon System Downloading

INTERNAL SUPPORTING EVENTS:

SUPPORT REQUIREMENTS:

EQUIPMENT: Family of EOD equipment.

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: Must have full time access to SIRPNET access to JEOD website, and access to the intelink EOD website. The individual EOD Technician should be tasked with loading, updating and inventorying AEODPS.

23XX-ADMN-2002: Select disposal/treatment site

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

READINESS-CODED: NO

DESCRIPTION: Part of the EOD mission is to dispose of hazards from foreign and domestic, Unexploded Explosive Ordnance (UXO), Improvised Explosive Device (IED), and Weapons of Mass Destruction (WMD) that present a threat to operations, installations, personnel, or materiel.(MCO 3571.2_) Selecting and preparing a site to dispose of or treat explosive hazards is a major step in the process. (A-1-1-9)

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 with restraints.

STANDARD: To allow for appropriate disposal/treatment of ammunition and explosives.

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

PRIMARY REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. [NAVSEA OP 5, VOL 1 Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping](#)

SUPPLEMENTARY REFERENCES:

1. Applicable Marine Corps Orders and Directives
2. [MCO 3571.2 Explosive Ordnance Disposal \(EOD\) Program](#)

CHAINED EVENTS:

INTERNAL CHAINED EVENTS:

- [EOD-OPS-3006: Conduct conventional explosive ordnance response](#)
[EOD-OPS-3008: Respond to an Aircraft Incident](#)
[EOD-OPS-3009: Conduct standoff munitions disruption](#)
[EOD-OPS-3010: Conduct Lodged Projectile Removal](#)
[EOD-OPS-3011: Conduct Weapon System Downloading](#)
[EOD-OPS-3012: Conduct Explosive Ordnance Exploitation](#)
EOD-DEMO-3001: Conduct disposal of explosive ordnance
EOD-OPS-3002: Conduct unexploded explosive ordnance (UXO) response operations
[EOD-OPS-3004: Conduct IED response](#)

INTERNAL SUPPORTING EVENTS:

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17830 Light Demolition Range

EQUIPMENT: Family of EOD equipment.

UNITS/PERSONNEL:

Corpsman 8404, 8425, 8427.

23XX-ADMN-2003: Calculate fragmentation and blast distances

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: When assessing the hazards associated with an explosion, the principal effects of the explosives output to be considered are blast pressure, primary and secondary fragments. Facility damage and personnel injury from the explosion of mass detonating explosive materials result primarily from blast overpressure and impulse. OP5 Vol. 1 pg. 7-3 para. 7-2.2

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 net explosive weight and fragmentation thickness.

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

PERFORMANCE STEPS:

1. Identify components.
2. Determine the relative equivalent factor (REF).
3. Determine K factor.
4. Determine safe area/distance.

REFERENCES: AEODPS 60 Series Automated EOD Publication System

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

[EOD-OPS-3004: Conduct IED response](#)
[EOD-OPS-3006: Conduct conventional explosive ordnance response](#)
[EOD-OPS-3008: Respond to an Aircraft Incident](#)
[EOD-OPS-3009: Conduct standoff munitions disruption](#)
[EOD-OPS-3010: Conduct Lodged Projectile Removal](#)
[EOD-OPS-3011: Conduct Weapon System Downloading](#)
[EOD-OPS-3012: Conduct Explosive Ordnance Exploitation](#)
EOD-DEMO-3001: Conduct disposal of explosive ordnance
[EOD-OPS-3002: Conduct unexploded explosive ordnance \(UXO\) response operations](#)

INTERNAL SUPPORTING EVENTS:

SUPPORT REQUIREMENTS:

EQUIPMENT:

Family of EOD equipment.

23XX-CBRN-2001: Operate in a chemical/biological environment

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: Biological/chemical detection, identification, render safe, and emergency disposal are measures taken to minimize or negate the vulnerabilities and/or effects of a chemical, biological, radiological, or nuclear incident. This includes the ability to neutralize homemade explosives and chemical and drug laboratories in addition to military ordnance. The EOD section also maintains the capability to conduct personal and small equipment decontamination procedures in conjunction with biological/chemical operations. MCTP 10-10D

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 chemical/biological environment, EOD Response Element, and tools and equipment.

STANDARD: To identify, mitigate, and safely operate in a contaminated environment.

PERFORMANCE STEPS:

1. Coordinate with the on scene commander.
2. Gather all intelligence and conduct threat assessment.
3. Plot downwind hazard area.
4. Set up a hot line or safe area.
5. Clear the downwind hazard area of all personnel.
6. Choose and don correct PPE.
7. Conduct primary and secondary search for hazards.
8. Request disposition instructions.
9. Prepare RSP tools and equipment.
10. Perform render safe procedure.
11. Conduct leak-seal, packaging, and mitigation techniques on components.
12. Conduct search for additional hazards.
13. Process personnel and equipment through the hot line.
14. Conduct scene turnover.
15. Complete the reporting requirements.

REFERENCES:

PRIMARY REFERENCE:

1. AEODPS 60 Series Automated EOD Publication System

SUPPLEMENTARY REFERENCES:

1. DODDIR 3150.8 DOD Response to Radiological Accidents
2. MCO 3400.2_ Chemical, Biological, Radiological, and Nuclear Defense Training Requirements
3. [MCO 3571.2 Explosive Ordnance Disposal \(EOD\) Program](#)
4. MCWP 3-37 MAGTF Nuclear, Biological, and Chemical Defense Operations
5. NRP National Response Plan
6. JP 3-41, CBRN Response
7. JP 3-11 Operations in a CBRN Environment
8. National Response Framework
9. [Title 49 Code of Federal Regulations - Hazardous Materials](#)
10. MCO 3400.11 Countering Weapons of Mass Destruction Policy
11. MCRP 10-10E.3 Multi-service Doctrine for CBRN Operations
12. MCRP 10-10E.4 Potential Military Chemical/Biological Agents and Compounds

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

[EOD-CBRN-3001: Conduct actions during a Chemical/ Biological incident](#)
[EOD-CBRN-3002: Conduct decontamination of personnel](#)
[EOD-OPS-3001: Conduct Tactical Site Exploitation](#)

INTERNAL SUPPORTING EVENTS:

SUPPORT REQUIREMENTS:

ORDNANCE:

| <u>DODIC</u> | <u>QUANTITY</u> |
|-------------------------|------------------------|
| K765 Riot Control Agent | CS 1 per Marine |

EQUIPMENT: Family of EOD equipment and Family of incident response systems.

UNITS/PERSONNEL: Corpsman, 8404, 8425, 8427.

23XX-CBRN-2002: Support Explosive Ordnance Disposal (EOD) Operations on Nuclear Weapon Accidents/Incidents (NWAI)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: Department of Defense (DOD) has a responsibility for ensuring a joint 24-hour-a-day capability to meet the initial DOD time-sensitive management requirements for an accident or incident involving US nuclear weapons in DOD or Department of Energy (DoE) custody, or a military reactor, occurring anywhere in the world. Should Department of State (DoS), the Department of Justice (DoJ), or the DoE request DoD assistance in handling an accident or incident involving nuclear weapons, nuclear material, or improvised nuclear devices, joint EOD will provide support as directed. ([JP 3-42](#), pg. II-4)

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 NWAI, mission, equipment and references.

STANDARD: To identify components, report readings, and mitigate the threat as directed by the Lead Federal Agency.

PERFORMANCE STEPS:

1. Develop plan.
2. Conduct site reconnaissance/initial diagnostics.
3. Identify and safeguard hazardous and classified components
4. Conduct Department of Energy triage report
5. Monitor and survey environment.
6. Perform actions as directed by the lead Federal Agency
7. Submit reports.

REFERENCES:

PRIMARY REFERENCE:

1. DOD 3150.8-M Nuclear Weapon Accident Response Procedures (NARP)

SUPPLEMENTARY REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. [CFR 49 Code of Federal Regulations - Hazardous Materials](#)
3. MCO 3400.2_ Chemical, Biological, Radiological, and Nuclear Defense Training Requirements
4. [MCO 3571.2 Explosive Ordnance Disposal \(EOD\) Program](#)
5. [MCRP 10-10E.6 MTPP for CBRN Consequence Management Operations](#)
6. NRP National Response Plan

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

[EOD-OPS-3001: Conduct Tactical Site Exploitation](#)
[EOD-OPS-3005: Conduct Nuclear and Radiological threat response](#)
[EOD-OPS-3007: Support Explosive Ordnance Disposal \(EOD\) Operations on Nuclear Weapon Accidents/Incidents \(NWA\)](#)

INTERNAL SUPPORTING EVENTS:

SUPPORT REQUIREMENTS:

EQUIPMENT:

Family of EOD equipment.

ADMINISTRATIVE NOTES:

Suggest attending Joint Nuclear Explosive Ordnance Disposal Course (JNEODC),
CID: F04LZY1

23XX-CBRN-2003: Support a Nuclear/Radiological threat response

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: EOD Officers and Technicians have received a level of specialized training, in order to provide rapid triage, threat assessment, and initial diagnostic data as necessary, to an interagency technical network to adjudicate radiological and nuclear threats. EOD can be called upon to respond in support of the Department of Justice, Department of State, Department of Energy, or other interagency partners to an Item of Primary Concern (IPC) within the parameters and guidelines set forth by the lead agency.

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 Nuclear or Radiological threat

STANDARD: To detect, locate, identify, and triage in accordance with higher

directive.

PERFORMANCE STEPS:

1. Coordinate with Incident Commander or Liaison Officer.
2. Conduct mission analysis.
3. Perform initial diagnostics.
4. Locate radiological source.
5. Submit Department of Energy triage report.
6. Monitor and survey environment.
7. Perform actions upon direction from appropriate authority.
8. Submit post operations reports.

REFERENCES:

PRIMARY REFERENCE:

1. [JP 3-40 Countering Weapons of Mass Destruction](#)

SUPPLEMENTARY REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. [CFR 49 Code of Federal Regulations - Hazardous Materials](#)
3. DODDIR 3150.8 DOD Response to Radiological Accidents
4. MCO 3400.2 Chemical, Biological, Radiological, and Nuclear Defense Training Requirements
5. [MCO 3571.2 Explosive Ordnance Disposal \(EOD\) Program](#)
6. [MCRP 10-10E.6 MTTP for CBRN Consequence Management Operations](#)
7. MCWP 3-37 MAGTF Nuclear, Biological, and Chemical Defense Operations

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

- [EOD-CBRN-3002: Conduct decontamination of personnel](#)
[EOD-OPS-3005: Conduct Nuclear and Radiological threat response](#)
[EOD-OPS-3007: Support Explosive Ordnance Disposal \(EOD\) Operations on Nuclear Weapon Accidents/Incidents \(Nwai\)](#)
[EOD-OPS-3003: Conduct an EOD Response](#)

SUPPORT REQUIREMENTS:

EQUIPMENT: Family of EOD equipment.

MISCELLANEOUS: Suggest attending Advanced Diagnostics Training (ADT) level 1 and 2. CID: F04PXV1, F04PXZ1

ADMINISTRATIVE INSTRUCTIONS: In order to ensure training is realistic the unit should coordinate with the DOE National Lab, Local Hazmat Team, or other unit who can provide a radioactive isotope with sufficient strength to have the detection equipment used by EOD act accordingly.

23XX-CBRN-2004: Perform Leak, Seal, and Package

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: EOD collects samples for further analysis, performs leak seal

and packaging of munitions, performs render-safe procedures, and conducts emergency personnel decontamination station operations for EOD personnel. MCRP 10-10E.1

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 leaking chemical munition and a person number two.

STANDARD: To prevent the spread of contamination, and prepare for transport.

PERFORMANCE STEPS:

1. Perform gross decontamination of munition
 2. Rinse munition.
 3. Leak-seal munition with appropriate materials (ex. plaster of paris, epoxy, chemical leak seal kit, etc.).
 4. Conduct deliberate decontamination.
 5. Wipe munition completely with microfiber cloth, discarding the used cloth in the sump pit.
 6. Spray or pour decontaminant on munition.
 7. Observe contact time.
 8. Wipe munition again with clean microfiber cloth, discarding the used cloth in the sump pit.
 9. Apply padding to any jagged edges on the munition and place munition in a plastic bag or suitable plastic material.
 10. Keep the leak-seal top and center, tape the bag closed in a spiraling pattern, removing all air, continue spiraling the tape 6.00 inches past the end of the munition, creating a pig tail. Bend the pig tail over and secure it to the body of the munition.
 11. Place in a second plastic bag and tape the second plastic bag per the previous step.
 12. Place into a third bag to conduct vapor check.
 13. If vapor check result is positive, continue to add plastic bag layers until negative result on vapor check is achieved.
 14. If vapor check result is negative, mark the area and continue to next step.
- Proceed to final packaging.

REFERENCES:

PRIMARY REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

SUPPLEMENTARY REFERNECES:

1. [National Response Framework](#)
2. [CFR 49 Code of Federal Regulations - Hazardous Materials](#)
3. [MCO 3400.11 Countering Weapons of Mass Destruction Policy](#)
4. [MCO 3400.3H Chemical, Biological, Radiological, and Nuclear Defense Training Requirements](#)
5. MCRP 10-10E.3 Multi-Service Doctrine for CBRN Operations
6. MCRP 10-10 E.4 Potential Military Chemical/Biological Agents and Compounds
7. [MCRP 10-10E.5 MTTP for CBRN Contamination Avoidance](#)
8. [MCRP 10-10E.6 MTTP for CBRN Consequence Management Operations](#)

9. [MCRP 10-10E.8 MTPP for CBRN Passive Defense](#)
10. [National Fire Protection Agency standard 472 - standard for Competence of Responders to Hazardous Materials/Weapons of Mass Destruction Incidents](#)

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

- [EOD-CBRN-3001: Conduct actions during a Chemical/ Biological incident](#)
- [EOD-CBRN-3002: Conduct decontamination of personnel](#)
- [23XX-CBRN-2001: Operate in a chemical/biological environment](#)

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS:

Every EOD Technician requires proficiency in the performance steps associated with conducting Leak, Seal, and Package of chemical munitions. Performance of these steps requires the assistance of an additional person to be effectively executed.

23XX-DEMO-2001: Initiate a non-electric firing system

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

READINESS-CODED: NO

DESCRIPTION: A non-electric system is one in which an explosive charge is prepared for detonation by means of a nonelectric blasting cap. (A-1-1-31 para 3-2)

READINESS-CODED: NO

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 initiate the firing system.

PERFORMANCE STEPS:

1. Assemble non-electric firing system.
2. Emplace non-electric firing system.
3. Initiate non-electric firing system.
4. Verify functioning of non-electric firing system.

PRIMARY REFERENCES:

1. 60 Series Automated EOD Publication System (AEODPS)

SUPPLEMENTARY REFERENCES:

1. DA-Pam 385-64 Ammunition and Explosives Safety standard
2. DOD 6055.09-M Volumes 1 through 9 Department of Defense Ammunition and Explosives Safety standards
3. [MCO 3571.2 Explosive Ordnance Disposal \(EOD\) Program](#)

4. [NAVSEA OP 5, VOL 1 Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping](#)
5. [MCO 3571.2 Explosive Ordnance Disposal \(EOD\) Program](#)

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

[EOD-DEMO-3001: Conduct disposal of explosive ordnance](#)
[EOD-OPS-3002: Conduct unexploded explosive ordnance \(UXO\) response operations](#)
[EOD-OPS-3004: Conduct IED response](#)
[EOD-OPS-3006: Conduct conventional explosive ordnance response](#)
[EOD-OPS-3008: Respond to an Aircraft Incident](#)
[EOD-OPS-3003: Conduct an EOD Response](#)
[EOD-OPS-3010: Conduct Lodged Projectile Removal](#)
[23XX-RSP-2101: Remove lodged projectile](#)
[23XX-DEMO-2003: Employ incendiary devices](#)
[23XX-DEMO-2004: Employ a detonating cord system](#)
[23XX-DEMO-2005: Employ shaped charges](#)
[23XX-DEMO-2006: Dispose of explosives by burning](#)
[23XX-DEMO-2007: Conduct propellant burn](#)
[23XX-DEMO-2008: Dispose of explosive ordnance by detonation](#)
[23XX-DEMO-2101: Employ improvised disruption charges](#)
[23XX-DEMO-2102: Employ commercial and/or foreign military explosives](#)
[23XX-DEMO-2103: Conduct rocket motor static fire](#)

INTERNAL SUPPORTING EVENTS:

SUPPORT REQUIREMENTS:

ORDNANCE:

| <u>DODIC</u> | <u>QUANTITY</u> |
|---|------------------------|
| DWEI Pyrotechnic Initiator MK34 Mod 0 | 50 FT per Marine |
| M023 Charge, Demolition Block M112 1-1/4 pound C-4 | 1 per Marine |
| M032 Charge, Demolition Block TNT 1-Pound | 1 per Marine |
| M131 Cap, Blasting Non-Electric M7 | 3 per Marine |
| M591 Dynamite, Military M1 | 1 per Marine |
| M670 Fuse, Blasting Time M700 | 18 FT per Marine |
| ML03 Firing Device, Demolition Multi-Purpose M142 | 1 per Marine |
| MN08 Igniter, Time Blasting Fuse with Shock Tube Capability M81 | 2 per Marine |
| MN88 Cap, Blasting, Non-Electric, M21 w/ 500 ft. Minitube | 1 per Marine |

RANGE/TRAINING AREA:

Facility Code 17830 Light Demolition Range

EQUIPMENT: Family of EOD equipment.

UNITS/PERSONNEL: Corpsman, 8404, 8425, 8427.

23XX-DEMO-2002: Initiate an electric firing system

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

READINESS-CODED: NO

DESCRIPTION: An electric firing system is one in which electricity is used to fire the primary initiating element. An electric impulse supplied from the power source, usually an electric blasting machine, travels through the firing wire and cap lead wires to fire an electric blasting cap. ([60-A-1-1-31](#))

MOS PERFORMING: 2305, 2336

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given demolition materials and a firing device.

STANDARD: To initiate firing system.

PERFORMANCE STEPS:

1. Assemble electrical firing system.
2. Test electrical firing system.
3. Initiate firing system.
4. Verify functioning of electric firing system.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. [DA-Pam 385-64 Ammunition and Explosives Safety Standards](#)
3. DOD 6055.9 Department of Defense Explosives Safety Manual
4. [MCO 3571.2 Explosive Ordnance Disposal \(EOD\) Program](#)
5. [NAVSEA OP 5, VOL 1 Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping](#)
6. [MCO 3571.2 Explosive Ordnance Disposal \(EOD\) Program](#)

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

- [EOD-DEMO-3001: Conduct disposal of explosive ordnance](#)
[EOD-OPS-3002: Conduct unexploded explosive ordnance \(UXO\) response operations](#)
[EOD-OPS-3004: Conduct IED response](#)
[EOD-OPS-3006: Conduct conventional explosive ordnance response](#)
[EOD-OPS-3008: Respond to an Aircraft Incident](#)
[EOD-OPS-3003: Conduct an EOD Response](#)
[EOD-OPS-3010: Conduct Lodged Projectile Removal](#)
[23XX-RSP-2101: Remove lodged projectile](#)
[23XX-DEMO-2003: Employ incendiary devices](#)
[23XX-DEMO-2004: Employ a detonating cord system](#)
[23XX-DEMO-2005: Employ shaped charges](#)
[23XX-DEMO-2006: Dispose of explosives by burning](#)
[23XX-DEMO-2007: Conduct propellant burn](#)
[23XX-DEMO-2008: Dispose of explosive ordnance by detonation](#)
[23XX-DEMO-2101: Employ improvised disruption charges](#)
[23XX-DEMO-2102: Employ commercial and/or foreign military explosives](#)
[23XX-DEMO-2103: Conduct rocket motor static fire](#)

INTERNAL SUPPORTING EVENTS:

SUPPORT REQUIREMENTS:

ORDNANCE:

| <u>DODIC</u> | <u>QUANTITY</u> |
|--|------------------------|
| M023 Charge, Demolition Block M112 1-1/4 pound C-4 | 1 per Marine |
| M032 Charge, Demolition Block TNT 1-Pound | 1 per Marine |
| M130 Cap, Blasting Electric M6 | 6 per Marine |
| M591 Dynamite, Military M1 | 1 per Marine |

RANGE/TRAINING AREA:

Facility Code 17830 Light Demolition Range

EQUIPMENT: Family of EOD equipment.

UNITS/PERSONNEL: Corpsman, 8404, 8425, 8427.

23XX-DEMO-2003: Employ incendiary devices

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: The AN-M14 grenade uses the M201A1 standard grenade fuze which screws into an adapter in the top of the grenade. The grenade gives off intense heat for starting fires and destroying light equipment or explosive ordnance items.

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 initiate the device.

PERFORMANCE STEPS:

1. Determine method of initiation.
2. Prepare AN-M14(s) for initiation.
3. Emplace prepared AN-M14
4. Initiate incendiary device(s).
5. Verify desired effects.

PRIMARY REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

SUPPLEMENTARY REFERENCES:

1. [DA-Pam 385-64 Ammunition and Explosives Safety Standards](#)
2. DOD 6055.09-M Volumes 1 through 9 Department of Defense Ammunition and Explosives Safety Standards
3. [MCO 3571.2 Explosive Ordnance Disposal \(EOD\) Program](#)
4. [NAVSEA OP 5, VOL 1 Ammunition and Explosives Ashore Safety Regulations for](#)

Handling, Storing, Production, Renovation and Shipping
5. MCO 3571.2 Explosive Ordnance Disposal (EOD) Program

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

EOD-DEMO-3001: Conduct disposal of explosive ordnance
EOD-OPS-3002: Conduct unexploded explosive ordnance (UXO) response operations
EOD-OPS-3004: Conduct IED response
EOD-OPS-3006: Conduct conventional explosive ordnance response
EOD-OPS-3008: Respond to an Aircraft Incident
23XX-DEMO-2006: Dispose of explosives by burning
23XX-DEMO-2007: Conduct propellant burn

INTERNAL SUPPORTING EVENTS:

23XX-DEMO-2001: Initiate a non-electric firing system
23XX-DEMO-2002: Initiate an electric firing system
23XX-DEMO-2003: Employ incendiary devices
23XX-DEMO-2004: Employ a detonating cord system
23XX-DEMO-2005: Employ shaped charges
23XX-DEMO-2008: Dispose of explosive ordnance by detonation
23XX-DEMO-2101: Employ improvised disruption charges
23XX-DEMO-2102: Employ commercial and/or foreign military explosives
23XX-DEMO-2103: Conduct rocket motor static fire

SUPPORT REQUIREMENTS:

ORDNANCE:

| <u>DODIC</u> | <u>QUANTITY</u> |
|---|------------------|
| G900 Grenade, Hand Incendiary Thermite AN-M14 | 5 per Marine |
| M131 Cap, Blasting Non-Electric M7 | 2 per Marine |
| M670 Fuse, Blasting Time M700 | 18 FT per Marine |
| MN08 Igniter, Time Blasting Fuse with Shock Tube Capability M81 | 3 per Marine |

RANGE/TRAINING AREA:

Facility Code 17830 Light Demolition Range

EQUIPMENT: Family of EOD equipment.

UNITS/PERSONNEL: Corpsman, 8404, 8425, 8427.

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 - Split end or Fish scaled time fuze

23XX-DEMO-2004: Employ a detonating cord system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: The use of detonating cord in firing systems is especially applicable for multiple shots, under water, and underground blasting because the blasting cap of the initiating system may remain above the water or ground. Detonating cord may be fired by an electric system consisting of an electric blasting cap, initiated by a blasting machine or other power source, or a nonelectric system consisting of a blasting cap initiated by a fuse igniter and a length of safety fuse. (AEODPS A-1-1-31 para. 3-5)

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 detonation of explosive system.

PERFORMANCE STEPS:

1. Prepare a detonating cord system.
2. Connect detonating cord system to firing system.
3. Initiate detonating cord system.
4. Verify effects.

REFERENCES:

PRIMARY REFERENCES:

1. 60 Series Automated EOD Publication System (AEODPS)

SUPPLEMENTARY REFERENCES:

1. [DA-Pam 385-64 Ammunition and Explosives Safety Standards](#)
2. DOD 6055.09-M Volumes 1 through 9 Department of Defense Ammunition and Explosives Safety Standards
3. [MCO 3571.2 Explosive Ordnance Disposal \(EOD\) Program](#)
4. [NAVSEA OP 5, VOL 1 Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping](#)
5. [MCO 3571.2 Explosive Ordnance Disposal \(EOD\) Program](#)

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

- [EOD-OPS-4003: Conduct surface area clearance](#)
[EOD-DEMO-3001: Conduct disposal of explosive ordnance](#)
[EOD-OPS-3002: Conduct unexploded explosive ordnance \(UXO\) response operations](#)
[EOD-OPS-3006: Conduct conventional explosive ordnance response](#)

INTERNAL SUPPORTING EVENTS:

- [23XX-DEMO-2001: Initiate a non-electric firing system](#)
[23XX-DEMO-2002: Initiate an electric firing system](#)

SUPPORT REQUIREMENTS:

ORDNANCE:

| <u>DODIC</u> | <u>QUANTITY</u> |
|---|------------------|
| M023 Charge, Demolition Block M112 1-1/4 pound C-4 | 1 per Marine |
| M032 Charge, Demolition Block TNT 1-Pound | 1 per Marine |
| M131 Cap, Blasting Non-Electric M7 | 3 per Marine |
| M456 Cord, Detonating PETN Type I Class E | 50 FT per Marine |
| M591 Dynamite, Military M1 | 1 per Marine |
| M670 Fuse, Blasting Time M700 | 12 FT per Marine |
| MN08 Igniter, Time Blasting Fuse with Shock Tube Capability M81 | 2 per Marine |

EQUIPMENT: Family of EOD equipment.

UNITS/PERSONNEL: Corpsman, 8404, 8425, 8427.

23XX-DEMO-2005: Employ shaped charges

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: This event pertains to manufactured shaped charges in the current inventory.

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 demolition materials and a shaped charge.

STANDARD: To ensure intended effect.

PERFORMANCE STEPS:

1. Identify intended effect.
2. Prepare a shaped charge for use.
3. Prepare a firing system (electric or non-electric).
4. Place charge.
5. Initiate the firing system.
6. Verify effects.

REFERENCES:

PRIMARY REFERENCES:

1. (U) SHAPED CHARGES, GENERAL INFORMATION: A-2-1-51

SUPPLEMENTARY REFERENCES:

1. [DA-Pam 385-64 Ammunition and Explosives Safety Standards](#)
2. DOD 6055.09-M Volumes 1 through 9 Department of Defense Ammunition and Explosives Safety Standards
3. TM 3-34.82/MCRP3-17.7L

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

EOD-DEMO-3001: Conduct disposal of explosive ordnance
EOD-OPS-3002: Conduct unexploded explosive ordnance (UXO) response operations
EOD-OPS-3006: Conduct conventional explosive ordnance response
EOD-OPS-3008: Respond to an Aircraft Incident
23XX-RSP-2102: Perform low order techniques

INTERNAL SUPPORTING EVENTS:

23XX-DEMO-2001: Initiate a non-electric firing system
23XX-DEMO-2002: Initiate an electric firing system

SUPPORT REQUIREMENTS:

ORDNANCE:

| <u>DODIC</u> | <u>QUANTITY</u> |
|---|------------------------|
| D003 CHG, SPOTTING F/155MM & 8 IN | |
| M023 Charge, Demolition Block M112 1-1/4 pound C-4 | 3 per Marine |
| M130 Cap, Blasting Electric M6 | 19 per Marine |
| M131 Cap, Blasting Non-Electric M7 | 15 per Marine |
| M420 Charge, Demolition Shaped M2 Series 15-Pound | 1 per Marine |
| M421 Charge, Demolition Shaped M3 Series 40-Pound | 1 per Marine |
| M456 Cord, Detonating PETN Type I Class E | 25 FT per Marine |
| M474 Container, Demolition Charge MK1 Mod 0 | 1 per Marine |
| M475 Container, Demolition Charge MK2 Mod 1 | 1 per Marine |
| M476 Container, Demolition Charge MK3 Mod 0 | 1 per Marine |
| M477 Container, Demolition Charge MK7 Mod 1 | 1 per Marine |
| M478 Container, Demolition Charge MK7 Mod 2 | 1 per Marine |
| M479 Container, Demolition Charge MK7 Mod 3 | 1 per Marine |
| M480 Container, Demolition Charge MK7 Mod 4 | 1 per Marine |
| M481 Container, Demolition Charge MK7 Mod 5 | 1 per Marine |
| M482 Container, Demolition Charge MK7 Mod 6 | 1 per Marine |
| M483 Container, Demolition Charge MK7 Mod 7 | 1 per Marine |
| M484 Container, Demolition Charge MK7 Mod 8 | 1 per Marine |
| M487 Container, Demolition Charge MK8 Mod 1 | 1 per Marine |
| M670 Fuse, Blasting Time M700 | 100 FT per Marine |
| M980 Charge, Demolition Sheet Inch Thick | 1 FT per Marine |
| M981 Charge, Demolition Sheet 0.125 Inch Thick | 1 FT per Marine |
| M982 Charge, Demolition Sheet Inch Thick | 1 FT per Marine |
| ML04 CUTTER, HE MK23 MOD 0 | 1 per Marine |
| ML05 CUTTER, HE MK24 MOD 0 | 1 per Marine |
| MN08 Igniter, Time Blasting Fuse with Shock Tube Capability M81 | 15 per Marine |

***NOTE:** When deploying shaped charges against explosive ordnance there is a likelihood of a high order detonation.

RANGE/TRAINING AREA:

Facility Code 17830 Light Demolition Range

EQUIPMENT: Family of EOD equipment.

UNITS/PERSONNEL: Corpsman, 8404, 8425, 8427.

23XX-DEMO-2006: Dispose of explosives by burning

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

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

DESCRIPTION: Burning or detonation, in that order, are considered the most satisfactory methods for destroying demolition materials to prevent enemy use. TM 3-34.82/MCRP 3-17.7L Explosives and Demolitions

CONDITION: Given demolitions material or explosive components.

STANDARD: To completely dispose of explosives without high-order detonation.

PERFORMANCE STEPS:

1. Select burn site.
2. Inspect burn site.
3. Prepare burn site.
4. Prepare initiation system.
5. Prepare dunnage pile.
6. Place explosives to be burnt on dunnage pile.
7. Place initiation system.
8. Initiate burn.
9. Observe the appropriate wait time.
10. Verify results.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. TM 3-34.82/MCRP 3-17.7L Explosives and Demolitions
3. [MCO 3571.2 Explosive Ordnance Disposal \(EOD\) Program](#)
4. Title 40 Protection of the Environment

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

- [EOD-DEMO-3001: Conduct disposal of explosive ordnance](#)
[EOD-OPS-3002: Conduct unexploded explosive ordnance \(UXO\) response operations](#)
[EOD-OPS-3004: Conduct IED response](#)
[EOD-OPS-3006: Conduct conventional explosive ordnance response](#)
[EOD-OPS-3008: Respond to an Aircraft Incident](#)
[23XX-DEMO-2003: Employ incendiary devices](#)

INTERNAL SUPPORTING EVENTS:

- [23XX-DEMO-2001: Initiate a non-electric firing system](#)
[23XX-DEMO-2002: Initiate an electric firing system](#)

SUPPORT REQUIREMENTS:

ORDNANCE:

| <u>DODIC</u> | <u>QUANTITY</u> |
|---|------------------|
| DA12 Charge, Propellant 155mm MACS M231 | 1 per Marine |
| G900 Grenade, Hand Incendiary Thermite AN-M14 | 6 per Marine |
| M023 Charge, Demolition Block M112 1-1/4 pound C-4 | 1 per Marine |
| M131 Cap, Blasting Non-Electric M7 | 2 per Marine |
| M670 Fuse, Blasting Time M700 | 50 FT per Marine |
| MN08 Igniter, Time Blasting Fuse with Shock Tube Capability M81 | 3 per Marine |

EQUIPMENT: Family of EOD equipment.

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

UNITS/PERSONNEL: Corpsman 8404, 8425, 8427

23XX-DEMO-2007: Conduct propellant burn

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: Burning or detonation, in that order, are considered the most satisfactory methods for destroying materials to prevent enemy use. (TM 3-34.82/MCRP 3-17.7L Explosives and Demolitions)

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. Place firing system.
7. Initiate firing system.
8. Verify results.

REFERENCES:

PRIMARY REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

SUPPLEMENTARY REFERENCES:

1. TM 3-34.82/MCRP 3-17.7L Explosives and Demolitions
2. [DA-Pam 385-64 Ammunition and Explosives Safety Standards](#)
3. DOD 6055.09-M Volumes 1 through 9 Department of Defense Ammunition and

Explosives Safety Standards
4. Title 40 Protection of the Environment

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

EOD-DEMO-3001: Conduct disposal of explosive ordnance
EOD-OPS-3002: Conduct unexploded explosive ordnance (UXO) response operations
EOD-OPS-3006: Conduct conventional explosive ordnance response

INTERNAL SUPPORTING EVENTS:

23XX-DEMO-2001: Initiate a non-electric firing system
23XX-DEMO-2002: Initiate an electric firing system
23XX-DEMO-2003: Employ incendiary devices

SUPPORT REQUIREMENTS:

ORDNANCE:

| <u>DODIC</u> | <u>QUANTITY</u> |
|---|------------------------|
| DA12 Charge, Propellant 155mm MACS M231 | 1 per Marine |
| G900 Grenade, Hand Incendiary Thermite AN-M14 | 6 per Marine |
| J143 Rocket Motor, 5-inch MK22 Mod 4 | 4 charges per Section |
| M131 Cap, Blasting Non-Electric M7 | 2 per Marine |
| M670 Fuse, Blasting Time M700 | 50 FT per Marine |
| MN08 Igniter, Time Blasting Fuse with Shock Tube Capability M81 | 3 per Marine |

RANGE/TRAINING AREA:

Facility Code 17830 Light Demolition Range

EQUIPMENT: Family of EOD equipment, and unit purchased plaster of paris.

UNITS/PERSONNEL: Corpsman, 8404, 8425, 8427.

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: Conducting a propellant burn on flake propellant, unrestricted solid propellant, and a restricted solid propellant burn should all be completed as each presents different challenges.

23XX-DEMO-2008: Dispose of explosive ordnance by detonation

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 2305, 2336

DESCRIPTION: The disposal of ammunition, explosives, and other dangerous articles may be required because of age, deterioration, damage, obsolescence, surplus, lack of identity, or other cause of unserviceability. The disposal may be emergency or routine in nature. EOD personnel may be required to participate in any of the aforementioned disposal operations. Characteristics of the items being disposed of must be taken

into consideration when planning disposal operations. [AEODPS A-1-1-31, Ch. 4, Para 4-1](#)

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 demolitions material, the family of EOD tools and equipment, and explosive ordnance.

STANDARD: To dispose of ammunition, explosives, other dangerous articles, and comparable threats, regardless of filler, that may be required during emergency or routine events that present a threat to operations, installations, personnel, or material. [AEODPS A-1-1-31, Ch. 4, Para 4-1](#) & [MCTP 10-10D Pg. 2-4](#)

PERFORMANCE STEPS:

1. Select disposal method and initial safe area
2. Determine demolition material requirements
3. Select disposal site and safe area
4. Determine requirement for protective works
5. Conduct disposal of explosive ordnance/hazards
6. Verify complete disposal of explosive ordnance/hazards
7. Submit reports

REFERENCES:

PRIMARY REFERENCE:

1. AEODPS 60 Series Automated EOD Publication System

SUPPLEMENTARY REFERENCES:

1. [DA-Pam 385-64 Ammunition and Explosives Safety Standards](#)
2. [DOD 6055.09-M Volumes 1 through 8 Department of Defense Ammunition and Explosives Safety Standards \(Current DOD 60.55.09-M series is Volume 1-8\)](#)
3. [MCO 3571.2 Explosive Ordnance Disposal \(EOD\) Program](#)
4. [NAVSEA OP 5, VOL 1 Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping](#)
5. [MCO 3571.2 Explosive Ordnance Disposal \(EOD\) Program](#)
6. EOD IMS User Guide
7. [MCO 3571.2 Explosive Ordnance Disposal \(EOD\) Program](#)

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

- [EOD-DEMO-3001: Conduct disposal of explosive ordnance](#)
- [EOD-OPS-3002: Conduct unexploded explosive ordnance \(UXO\) response operations](#)
- [EOD-OPS-3004: Conduct IED response](#)
- [EOD-OPS-3006: Conduct conventional explosive ordnance response](#)
- [EOD-OPS-3008: Respond to an Aircraft Incident](#)
- [EOD-OPS-3003: Conduct an EOD Response](#)

INTERNAL SUPPORTING EVENTS:

- [23XX-DEMO-2001: Initiate a non-electric firing system](#)
- [23XX-DEMO-2002: Initiate an electric firing system](#)

SUPPORT REQUIREMENTS:

ORDNANCE:

| <u>DODIC</u> | <u>QUANTITY</u> |
|---|------------------------|
| M130 Cap, Blasting Electric M6 | 10 per Marine |
| M131 Cap, Blasting Non-Electric M7 | 10 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 Comp C-4 | 1 per Marine |
| MN08 Igniter, Time Blasting Fuse with Shock Tube Capability M81 | 10 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

EQUIPMENT: Family of EOD equipment.

UNITS/PERSONNEL:

Corpsman, 8404, 8425, 8427

23XX-IED-2001: Conduct render safe procedure on Improvised Explosive Device (IED)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: An improvised explosive device is weapon that is fabricated or emplaced in an unconventional manner incorporating destructive, lethal, noxious, pyrotechnic, or incendiary chemicals. Also called IED. EOD units are the forces employed to render safe and exploit IEDs. (DOD Dictionary & JP 3-15.1 pg. A-9 para. d.)

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 an IED and location.

STANDARD: To ensure complete disruption of the firing train.

PERFORMANCE STEPS:

1. Confirm location of IED.
2. Isolate explosive threat.
3. Conduct reconnaissance of IED.
4. Analyze IED.
5. Formulate render safe procedures.
6. Prepare tools.
7. Perform procedure.

8. Verify IED is rendered safe.
9. Separate hazardous and non-hazardous materials.
10. Recover evidence.

PRIMARY REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. JP 3-15.1

SUPPLEMENTARY REFERENCES:

1. DODDIR 3025.18 Defense Support to Civil Authorities
2. [MCO 3571.2 Explosive Ordnance Disposal \(EOD\) Program](#)
3. DOD Dictionary

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

[EOD-OPS-3004: Conduct IED response](#)
[EOD-ADMN-3001: Develop Exploitation Procedures](#)
[EOD-INTL-3002: Conduct Technical Exploitation](#)

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.

UNITS/PERSONNEL:

Corpsman, 8404, 8425, 8427

23XX-INTL-2001: Conduct Reconnaissance on Explosive Ordnance

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: In order to determine the true nature of an explosive ordnance incident, to verify its categorization, and to plan procedures for disposing of the ordnance, every effort must be made to establish as early as possible the identity or, at least, the nature of the ordnance involved. Steps to identify the ordnance should begin with the EOD reconnaissance. ([60-A-1-1-3](#))

MOS PERFORMING: 2305, 2336

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a munition.

STANDARD: To identify ordnance category and type by function, fuze type by function, and key characteristics of an unknown ordnance item. ([60-A-1-1-3](#))

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 condition, ordnance and fuze type by function based on key identification features.
6. Identify and annotate nomenclature, measurements, shapes, colors, construction, fittings, and features.
7. Conduct publications research.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System A-1-1-3 Identification of UXO
2. [MCO 3571.2 Explosive Ordnance Disposal \(EOD\) Program](#)

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

- [EOD-CBRN-3001: Conduct actions during a Chemical/ Biological incident](#)
- [EOD-DEMO-3001: Conduct disposal of explosive ordnance](#)
- [EOD-INTL-3001: Conduct Post Blast Analysis](#)
- [EOD-OPS-3001: Conduct Tactical Site Exploitation](#)
- [EOD-OPS-3002: Conduct unexploded explosive ordnance \(UXO\) response operations](#)
- [EOD-OPS-3004: Conduct IED response](#)
- [EOD-OPS-3005: Conduct Nuclear and Radiological threat response](#)
- [EOD-OPS-3006: Conduct conventional explosive ordnance response](#)
- [EOD-OPS-3007: Support Explosive Ordnance Disposal \(EOD\) Operations on Nuclear Weapon Accidents/Incidents \(Nwai\)](#)
- [EOD-OPS-3008: Respond to an Aircraft Incident](#)
- [EOD-OPS-3009: Conduct standoff munitions disruption](#)
- [EOD-OPS-3010: Conduct Lodged Projectile Removal](#)
- [EOD-OPS-3011: Conduct Weapon System Downloading](#)
- [EOD-INTL-3002: Conduct Technical Exploitation](#)
- [EOD-OPS-3012: Conduct Explosive Ordnance Exploitation](#)
- [EOD-OPS-3003: Conduct an EOD Response](#)

INTERNAL SUPPORTING EVENTS:

- [23XX-TOOL-2005: Employ robotics](#)

SUPPORT REQUIREMENTS:

EQUIPMENT: Family of EOD equipment.

EOD-LTRL-2001: Conduct Open and Closed Circuit Diving Operations

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

BILLET: LEON Response Element Member, LEON Response Element Leader, LEON Section Chief, LEON Section OIC

MOS PERFORMING: 2336, 2305

GRADES: Sgt, SSgt, GySgt, MSgt, WO, CWO2, CWO3, Capt

INITIAL TRAINING SETTING: Formal

CONDITION: Given a LEON mission that contains a dive profile, diving equipment, and mission essential equipment.

STANDARD: To safely perform an open and/or closed circuit dive in accordance with the U.S. Navy Diving Manual.

PERFORMANCE STEPS:

1. Conduct pre-dive procedures.
2. Receive the brief.
3. Don dive equipment.
4. Receive dive supervisor personnel inspection.
5. Execute water entry from support platform.
6. Conduct a purge.
7. Communicate while under water.
8. Navigate to objective.
9. Conduct EOD procedures, as required.
10. Return to support platform.
11. Recover from dive.
12. Participate in a debrief.
13. Conduct post dive procedures.

REFERENCES:

PRIMARY REFERENCE

1. SS521-AG-PRO-010 United States Navy Dive Manual

SUPPLEMENTARY REFERENCES

1. MCO 3150.4_ Diving Policy and Administration
2. MCRP 3-10.2 Multi-Service Tactics, Techniques, and Procedures for Military Diving Operations
3. [MCO 8027.1 Interservice Responsibilities for Explosive Ordnance Disposal](#)
4. LEON Rapid Statement of Need (dtd 18 Dec 2019)

SUPPORT REQUIREMENTS:

RANGE (S)/TRAINING AREA:

Facility Code 17411 Maneuver/Training Area

MISCELLANEOUS:

EQUIPMENT:

Family of EOD equipment (LEON), open/closed circuit dive equipment

UNITS/PERSONNEL:

Corpsman, 8404, 8425, 8427, Dive Supervisor.

ADMINISTRATIVE INSTRUCTIONS:

1. This type of training is classified as high risk training, refer to OPNAVINST 1500.75.
2. For surf safety considerations, refer to COMNAVSURFPAC / COMNAVSURFLANT INSTRUCTION 3840.1B. Diver times and dive supervisor must enter into DJRS.

EOD-LTRL-2002: Conduct Render Safe Procedure on Underwater Explosive Ordnance

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: Render Safe Procedures are those actions taken to provide for the interruption of functions or separation of essential components of explosive ordnance to prevent unacceptable detonation. ([JP 3-42](#))

BILLET: LEON Response Element Member, LEON Response Element Leader, LEON Chief, LEON OIC

MOS PERFORMING: 2336, 2305

GRADES: Sgt, SSgt, GySgt, MSgt, WO, CW02, CW03, Capt

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given unexploded explosive ordnance in very shallow water or surf zone.

STANDARD: To disrupt the firing train of an underwater explosive ordnance item in the very shallow water and surf zone.

PERFORMANCE STEPS:

1. Reacquire and identify underwater explosive ordnance.
2. Document or Formulate Render Safe Procedure.
3. Prepare tools.
4. Insert divers, if applicable.
5. Perform procedure.
6. Validate results.
7. Recover divers, if applicable.
8. Seek disposition.
9. Submit appropriate reporting.

REFERENCES:

PRIMARY REFERENCE:

1. Littoral Explosive Ordnance Neutralization Rapid Statement of Need

SUPPLEMENTARY REFERENCES:

1. [NAVSEA OP 5, VOL 1 Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping](#)
2. [MCO 8027.1 Interservice Responsibilities for Explosive Ordnance Disposal](#)
3. AEODPS 60 Series Automated EOD Publication System
4. [Title 49 Code of Federal Regulations - Hazardous Materials](#)
5. NAVSEA SWO 60-AA-MMA-010 - Demolition Materials
6. [MCDP 1-0 Marine Corps Operations \(w/change 1, 2, 3\)](#)
7. [JP 3-02 Joint Doctrine for Amphibious Operations](#)

8. [JP 3-42](#) Joint Explosive Ordnance Disposal Operations
9. [JP 3-15, Barriers, Obstacles, and Mine Warfare for Joint Operations](#)
10. SS521-AG-PRO-010 United States Navy Dive Manual
11. MCRP 3-10.2 Multi-Service Tactics, Techniques, and Procedures for Military Diving Operations

SUPPORT REQUIREMENTS:

Range(s)/Training Area:

Facility Code 17411 Maneuver/Training Area

MISCELLANEOUS:

EQUIPMENT:

Family of EOD equipment (LEON), closed/open circuit dive equipment (if applicable)

UNITS/PERSONNEL:

Corpsman, 8404, 8425, 8427, Dive Supervisor (if applicable)

ADMINISTRATIVE INSTRUCTIONS:

1. This type of training is classified as high risk training, refer to OPNAVINST 1500.75.
2. For surf safety considerations, refer to COMNAVSURFPAC / COMNAVSURFLANT INSTRUCTION 3840.1B. Diver times and dive supervisor must enter into DJRS.

EOD-LTRL-2003: Employ LEON EOD Remotely Operated Vehicle

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: The LEON ROV provides EOD technicians the ability to remotely identify, examine, manipulate, and if required employ energetic tools against underwater explosive ordnance. (LEON RSON)

BILLET: LEON Response Element Member, LEON Response Element Leader, LEON Section Chief, LEON Section OIC

MOS PERFORMING: 2336, 2305

GRADES: Sgt, SSgt, GySgt, MSgt, WO, CW02, CW03, Capt

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a LEON mission and associated EOD equipment.

STANDARD: To detect, classify, and/or reacquire underwater explosive ordnance in the very shallow water and surf zone.

PERFORMANCE STEPS:

1. Determine mission parameters
2. Develop mission plan utilizing appropriate software
3. Upload mission to system
4. Employ system

5. Monitor mission progress
6. Recover system
7. Conduct post mission analysis
8. Identify anomalies
9. Generate contact report

REFERENCES :

PRIMARY REFERENCE

1. [NAVSEA OP 5, VOL 1 Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping](#)

SUPPLEMENTARY REFERENCES

1. [MCO 8027.1 Interservice Responsibilities for Explosive Ordnance Disposal](#)
2. [AEODPS 60 Series Automated EOD Publication System](#)
3. [49 Code of Federal Regulations - Hazardous Materials](#)
4. [NAVSEA SWO 60-AA-MMA-010 - Demolition Materials](#)
5. [MCDP 1-0 Marine Corps Operations \(w/change 1, 2, 3\)](#)
6. [JP 3-02 Joint Doctrine for Amphibious Operations](#)
7. [JP 3-42 Joint Explosive Ordnance Disposal Operations](#)
8. [JP 3-15, Barriers, Obstacles, and Mine Warfare for Joint Operations](#)

SUPPORT REQUIREMENTS :

Facility Code 17411 Maneuver/Training Area Amphibious

23XX-MED-2001: Perform Tactical Field Care (TCC)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: TCCC is a set of trauma management guidelines customized for use in the operational setting that maintains a focus on the most common causes of preventable deaths resulting from combat. (DODI 6040.47)

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 sustain life and prevent additional casualties.

PERFORMANCE STEPS:

1. Suppress hostile fire.
2. Instruct casualty to take cover and apply self-aid, if possible.
3. Treat immediate life threatening hemorrhage.
4. Move casualty to a safe position when tactically feasible.
5. Triage Casualty as required.
 - a. Massive Hemorrhage

- b. Airway Management
 - c. Respiration/Breathing
 - d. Circulation (bleeding, IV/IO Access, TXA, Fluid Resuscitation)
 - e. Hypothermia Prevention
 - f. Penetrating Eye Trauma
 - g. Monitoring
 - h. Analgesia/Pain Management
 - i. Antibiotics
 - j. Check for additional Wounds
 - k. Burns
 - l. Splinting
 - m. Communication (Patient, Tactical Leadership, TACEVAC)
 - n. Cardiopulmonary resuscitation (CPR)
6. Prepare for evacuation

REFERENCES:

- 1. Joint Trauma System TCCC Guidelines (1 Aug 2019)
- 2. PHTLS Manual

SUPPORT REQUIREMENTS:

ADMINISTRATIVE NOTES: It is required to have qualified Navy Corpsman or approved civilian contractors provide classroom instruction, practical application and evaluate EOD Technicians on TCCC. It is recommended that EOD Technicians receive TCCC-MP or Tier 3 minus every 12 months and Live Tissue Training (LTT) as a capstone every 36 months.

EQUIPMENT: Family of EOD equipment.

UNITS/PERSONNEL: Corpsman, 8404, 8425, 8427.

23XX-OPS-2001: Employ hook and line techniques

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: Conducting remote line techniques is a required skill for EOD personnel. Using Hook and Line (HAL) tools and equipment effectively will improve the probability of a successful mission. HAL techniques include, but are not limited to moving, opening, and/or securing an object; accessing a structure, space, or vehicle; and emplacing a tool. (L-2-1-10)

MOS PERFORMING: 2305, 2336

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

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a mission.

STANDARD: To ensure the remote manipulation of an item.

PERFORMANCE STEPS:

- 1. Identify item or object to be manipulated.

2. Develop plan.
3. Gather and assemble tools as required.
4. Execute plan.
5. Verify desired outcome.

PRIMARY REFERENCE:

1. AEODPS 60 Series Automated EOD Publication System

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

[EOD-CBRN-3001: Conduct actions during a Chemical/ Biological incident](#)
[EOD-DEMO-3001: Conduct disposal of explosive ordnance](#)
[EOD-INTL-3001: Conduct Post Blast Analysis](#)
[EOD-OPS-3001: Conduct Tactical Site Exploitation](#)
[EOD-OPS-3002: Conduct unexploded explosive ordnance \(UXO\) response operations](#)
[EOD-OPS-3004: Conduct IED response](#)
[EOD-OPS-3006: Conduct conventional explosive ordnance response](#)
[EOD-OPS-3008: Respond to an Aircraft Incident](#)
[23XX-IED-2001: Conduct render safe procedure on Improvised Explosive Device \(IED\)](#)

INTERNAL SUPPORTING EVENTS:

[23XX-TOOL-2101: Conduct vehicle entry techniques](#)

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17962 MOUT Collective Training Facility (Small)
Facility Code 17963 MOUT Collective Training Facility (Large)

EQUIPMENT: Family of EOD equipment, local office spaces, locally procured military or civilian vehicles

UNITS/PERSONNEL: Corpsman, 8404, 8425, 8427.

ADMINISTRATIVE NOTES: To conduct realistic training, contracting of local office spaces, housing, and vehicles may be required. Due to the expansive use of hook and line techniques it is suggested that multiple items be manipulated, for example an ordnance item, object moved from inside a building to outside, and accessing a vehicle.

23XX-OPS-2002: Conduct a search for explosive threat

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: This event focuses on support to the USSS and Department of State. ([MCTP 10-10D](#) PG 4-16)

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 validated request for support.

STANDARD: To confirm or deny the presence of threats.

PERFORMANCE STEPS:

1. Determine search method and required equipment.
2. Brief EOD element.
3. Conduct search.
4. Conduct follow action as needed.

REFERENCES:

PRIMARY REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

SUPPLEMENTARY REFERENCES:

2. [NAVSEA OP 5, VOL 1 Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping](#)
3. [JP 3-42 Joint Explosive Ordnance Disposal](#)
4. EXCM Manual

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

EOD-ADMN-4001: [Provide Support to Other Government Agencies](#)

EOD-OPS-3003: [Conduct an EOD Response](#)

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17962 MOUT Collective Training Facility (Small)

Facility Code 17963 MOUT Collective Training Facility (Large)

EQUIPMENT: Family of EOD equipment.

UNITS/PERSONNEL: Corpsman 8404, 8425, 8427

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: The scope of this task can cover every type of environment from heavily populated urban settings to sparse mountainous desert climates.

23XX-OPS-2003: Perform evidence collection actions

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: Level 1 (Tactical Exploitation). This entails the identification, collection, preservation, transportation, and examination of

physical material and contextual information from an event or site involving weapons/material of Technical Intelligence (TECHINT) interest. (60 Series L-1-1-7, 1.2.4.1)

MOS PERFORMING: 2336, 2305

GRADES: SGT, SSGT, GYSGT, MSGT, WO1, CWO2, CWO3

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a collections plan

STANDARD: To ensure the collection of available technical information and forensic material

PERFORMANCE STEPS:

1. Identify evidence item to be collected IAW collections plan
2. Ensure item is safe to recover
3. Annotate grid location of item to be recovered
4. Photograph item in its original location (include fiduciary)
5. Annotate location of evidence in scene overview sketch
6. With gloved hand, transfer item to appropriate evidence handling bag
7. Write required information on evidence bag IAW evidence handling procedures
8. Stow evidence
9. Depart site
10. Conduct deliberate exploitation, as required
11. Transfer evidence for higher level exploitation

REFERENCES:

PRIMARY REFERENCE:

1. 60 Series Publications

SUPPLEMENTARY REFERENCES:

1. [JP 3-42 Joint Explosive Ordnance Disposal](#)
2. [ATP 3-90. 15 Site Exploitation](#)

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

- [EOD-INTL-4001: Conduct a post blast analysis](#)
 - [EOD-OPS-4002: Perform explosive ordnance exploitation](#)
 - [EOD-OPS-4004: Conduct-site exploitation](#)
 - [EOD-OPS-4007: Conduct C-IED operations](#)
 - [EOD-INTL-3001: Conduct Post Blast Analysis](#)
 - [EOD-ADMN-3001: Develop Exploitation Procedures](#)
 - [EOD-INTL-3002: Conduct Technical Exploitation](#)
 - [EOD-OPS-3012: Conduct Explosive Ordnance Exploitation](#)
 - [23XX-IED-2001: Conduct render safe procedure on Improvised Explosive Device \(IED\)](#)
 - [23XX-INTL-2101: Perform a post-blast analysis](#)
 - [23XX-INTL-2102: Conduct explosive ordnance exploitation](#)
-

23XX-RSP-2001: Employ Tape and Line Techniques

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: The tape and line technique is used to remotely remove fuzes and other threaded components from ordnance. This technique is not intended to replace the impact wrench procedure, but to give EOD personnel another remote removal procedure. The technique varies slightly, depending on the size and shape of the fuze and whether a modified fuze removal adapter can be used. (A-2-1-1)

MOS PERFORMING: 2305, 2336

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a fuzed munition.

STANDARD: 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 in accordance with 60 Series Publications.
3. Initiate the procedure from safe area.
4. Verify results.

REFERENCES:

PRIMARY REFERENCE:

1. AEODPS 60 Series Automated EOD Publication System

SUPPLEMENTARY REFERENCES:

1. [MCO 3571.2 Explosive Ordnance Disposal \(EOD\) Program](#)
2. [MCO 8027.1 Interservice Responsibilities for Explosive Ordnance Disposal](#)
3. [NAVSEA OP 5, VOL 1 Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping](#)

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

[EOD-OPS-3002: Conduct unexploded explosive ordnance \(UXO\) response operations](#)

[23XX-RSP-2002: Conduct Render Safe Procedure \(RSP\) on Unexploded Explosive Ordnance \(UXO\)](#)

INTERNAL SUPPORTING EVENTS:

[23XX-OPS-2103: Employ protective works](#)

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: Family of EOD equipment.

UNITS/PERSONNEL: Corpsman, 8404, 8425, 8427.

23XX-RSP-2002: Conduct Render Safe Procedure (RSP) on Unexploded Explosive Ordnance (UXO)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: Render Safe Procedures are those actions taken to provide for the interruption of functions or separation of essential components of explosive ordnance to prevent unacceptable detonation. ([JP 3-42](#))

MOS PERFORMING: 2305, 2336

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given unexploded explosive ordnance.

STANDARD: To disrupt firing train.

PERFORMANCE STEPS:

1. Identify UXO.
2. Research UXO.
3. Document or Formulate Render Safe Procedure.
4. Identify required tools to meet observed safeties.
5. Prepare tools.
6. Perform procedure.
7. Validate results.
8. Seek disposition.

REFERENCES:

PRIMARY REFERENCE:

1. AEODPS 60 Series Automated EOD Publication System

SUPPLEMENTARY REFERENCES:

1. [MCO 3571.2 Explosive Ordnance Disposal \(EOD\) Program](#)
2. MCO 8027.1_ Inter-service Responsibilities for Explosive Ordnance Disposal
3. MCRP 10-10D MAGTF Explosive Ordnance Disposal
4. [JP 3-42](#) Joint Explosive Ordnance Disposal

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

[EOD-CBRN-3001: Conduct actions during a Chemical/ Biological incident](#)

[EOD-OPS-3002: Conduct unexploded explosive ordnance \(UXO\) response operations](#)

[EOD-OPS-3009: Conduct standoff munitions disruption](#)

[EOD-OPS-3003: Conduct an EOD Response](#)
[EOD-OPS-3008: Respond to an Aircraft Incident](#)

INTERNAL SUPPORTING EVENTS:

[23XX-ADMN-2001: Employ the automated explosive ordnance disposal publications system \(60 Series\)](#)
[23XX-INTL-2001: Conduct reconnaissance on explosive ordnance](#)
[23XX-OPS-2103: Employ protective works](#)
[23XX-TOOL-2002: Employ remote firing device](#)
[23XX-TOOL-2003: Employ a remote wrench](#)
[23XX-TOOL-2006: Employ EOD disruption tools](#)

SUPPORT REQUIREMENTS:

ORDNANCE:

DODIC

| | <u>QUANTITY</u> |
|--|------------------------|
| M130 Cap, Blasting Electric M6 | 6 per Marine |
| M174 Cartridge, Caliber .50 Impulse Electrically-Initiated | 3 per Marine |
| M456 Cord, Detonating PETN Type I Class E | 24 FT per Marine |
| ML04 Cutter, High Explosive MK23 Mod 0 | 2 per Marine |
| ML05 Cutter, High Explosive MK24 Mod 0 | 4 per Marine |

RANGE/TRAINING AREA:

Facility Code 17430 Impact Area Dudded
Facility Code 17431 Impact Area Non-Dudded
Facility Code 17937 Aerial Bombing Range

EQUIPMENT: Family of EOD equipment.

ADMIN INSTRUCTIONS: The Class V (W) required to conduct render safe procedures on Unexploded Explosive Ordnance varies depending upon the ordnance item to be rendered safe, and the Class V (W) listed in this task is not all inclusive. This event includes the utilizing the MK36 non-magnetic tool set when required.

23XX-RSP-2003: Conduct Render Safe Procedure (RSP) on aircraft explosive hazards

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: This event includes hazards related to U.S. and foreign aircraft. These hazards can be found both on and off their associated aircraft platforms. Render Safe Procedures are those actions taken to provide for the interruption of functions or separation of essential components of explosive ordnance to prevent unacceptable detonation. ([JP 3-42 Joint Explosive Ordnance Disposal](#))

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 an associated aircraft hazard.

STANDARD: To mitigate all aircraft explosive hazards.

PERFORMANCE STEPS:

1. Identify the type of aircraft.
2. Identify all explosive hazards associated with aircraft.
3. Identify any ordnance being carried by the aircraft.
4. Render safe all identified explosive hazards.
5. Render safe all ordnance delivery devices.
6. Render safe all ordnance on aircraft, if possible.
7. Download and seek disposition, as required.
8. Conduct follow on actions as required.

REFERENCES:

PRIMARY REFERENCE:

1. AEODPS 60 Series Automated EOD Publication System

SUPPLEMENTARY REFERENCE:

1. [ATP 3-04.13 Aircraft Recovery Operations](#)
2. [NAVSEA OP 5, VOL 1 Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping](#)
3. [JP 3-42 Joint Explosive Ordnance Disposal](#)

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

- [EOD-OPS-3008: Respond to an Aircraft Incident](#)
[EOD-OPS-3011: Conduct Weapon System Downloading](#)
[23XX-INTL-2001: Conduct reconnaissance on explosive ordnance](#)

INTERNAL SUPPORTING EVENTS:

- [23XX-ADMN-2001: Employ the automated explosive ordnance disposal publications system \(60 Series\)](#)
[23XX-INTL-2001: Conduct reconnaissance on explosive ordnance](#)
[23XX-TOOL-2001: Employ the Self-Contained Breathing Apparatus \(SCBA\)](#)

SUPPORT REQUIREMENTS:

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

EQUIPMENT: Family of EOD equipment.

UNITS/PERSONNEL:

Corpsman, 8404, 8425, 8427.

23XX-TOOL-2001: Employ the Self-Contained Breathing Apparatus (SCBA)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: Self-contained breathing apparatus (SCBA) means an atmosphere-supplying respirator for which the breathing air source is designed to be carried by the user. ([29 CFR 1910.134 \(b\)](#))

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 in an environment with inhalation hazards.

STANDARD: To prevent exposure to hazards.

PERFORMANCE STEPS:

1. Conduct preventative maintenance checks and services on equipment.
2. Assemble the SCBA.
3. Conduct functions check.
4. Confirm fit.
5. Don the SCBA.
6. Monitor air consumption.
7. Conduct bottle exchange.
8. Conduct buddy breathing.
9. Doff SCBA

REFERENCES:

PRIMARY REFERENCES:

1. SCBA Operator's Manual
2. AEODPS 60 Series Automated EOD Publication System
3. [29 CFR 1910.134 \(b\)](#)

SUPPLEMENTARY REFERENCES:

1. [NAVMC DIR 5100.8 Marine Corps Occupational Safety and Health \(OSH\) Program Manual](#)
2. OPNAVINST 5100.23_ Navy Safety and Occupational Health (SOH) Program Manual

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

- [EOD-CBRN-3001: Conduct actions during a Chemical/ Biological incident](#)
- [EOD-CBRN-3002: Conduct decontamination of personnel](#)
- [EOD-OPS-3005: Conduct Nuclear and Radiological threat response](#)
- [EOD-OPS-3007: Support Explosive Ordnance Disposal \(EOD\) Operations on Nuclear Weapon Accidents/Incidents \(Nwai\)](#)
- [EOD-OPS-3008: Respond to an Aircraft Incident](#)

INTERNAL SUPPORTING EVENTS:

- [23XX-TOOL-2010: Employ detector to identify chemical hazards](#)
- [23XX-OPS-2102: Operate in confined spaces](#)

SUPPORT REQUIREMENTS:

EQUIPMENT: Family of EOD equipment.

UNITS/PERSONNEL: Corpsman, 8404, 8425, 8427.

23XX-TOOL-2002: Employ remote firing device

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: The activation of an initiator in an explosive train by direct application of electrical energy via transmitter and receiver.

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 initiate a firing train.

PERFORMANCE STEPS:

1. Assemble the firing device.
2. Perform operations check of firing device.
3. Program the firing device.
4. Connect firing system.
5. Initiate firing device.
6. Verify results.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

[EOD-DEMO-3001: Conduct disposal of explosive ordnance](#)

[EOD-OPS-3002: Conduct unexploded explosive ordnance \(UXO\) response operations](#)

[EOD-OPS-3004: Conduct IED response](#)

[EOD-OPS-3006: Conduct conventional explosive ordnance response](#)

[23XX-DEMO-2002: Initiate an electric firing system](#)

SUPPORT REQUIREMENTS:

ORDNANCE:

DODIC

M130 Cap, Blasting Electric M6

QUANTITY

5 per Marine

RANGE/TRAINING AREA:

Facility Code 17830 Light Demolition Range

EQUIPMENT: Family of EOD equipment.

UNITS/PERSONNEL: Corpsman, 8404, 8425, 8427.

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: Remote firing device should be fired in both series and parallel.

23XX-TOOL-2003: Employ a remote wrench

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

READINESS-CODED: NO

DESCRIPTION: The MK 1 Mod series remote wrench can be set in various configurations for removing fuzes, nose plugs and base plugs, and other screw-in components having right- or left-hand threads, from explosive ordnance. It provides the operator safety by allowing standoff from a safe distance. The wrench provides the option of manual force or cartridge actuation as the power source for operation. (AEODPS 60 Series Automated EOD Publication System)

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: To remove fuze from ordnance item.

PERFORMANCE STEPS:

1. Select the wrench and the configuration to be used.
2. Stabilize and prepare the ordnance as necessary.
3. Assemble the remote wrench for use.
4. Connect the remote wrench to firing system.
5. Apply the remote wrench to ordnance item.
6. Initiate the remote wrench.
7. Verify results.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. [MCO 3571.2 Explosive Ordnance Disposal \(EOD\) Program](#)

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

- [EOD-OPS-3002: Conduct unexploded explosive ordnance \(UXO\) response operations](#)
[23XX-RSP-2002: Conduct Render Safe Procedure \(RSP\) on Unexploded Explosive Ordnance \(UXO\)](#)

INTERNAL SUPPORTING EVENTS:

- [23XX-ADMN-2001: Employ the automated explosive ordnance disposal publications](#)

system (60 Series)
23XX-OPS-2103: Employ protective works
23XX-DEMO-2002: Initiate an electric firing system
23XX-TOOL-2002: Employ remote firing device

SUPPORT REQUIREMENTS:

ORDNANCE:

| <u>DODIC</u> | <u>QUANTITY</u> |
|--|------------------------|
| A552 Cartridge, Caliber .50 Ball, Ctn F/M2 | 2 per Marine |
| M130 Cap, Blasting Electric M6 | 2 per Marine |
| M174 Cartridge, Caliber .50 Impulse Electrically-Initiated | 2 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: Family of EOD equipment.

UNITS/PERSONNEL: Corpsman, 8404, 8425, 8427

23XX-TOOL-2004: Locate buried ordnance

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

READINESS-CODED: NO

DESCRIPTION: Unexploded Ordnance is explosive ordnance that has been primed, fused, armed or otherwise prepared for action, and that has been fired, dropped, launched, projected, or placed in such a manner as to constitute a hazard to operations, installations, personnel, or material and remains unexploded either by malfunction or design or for any other cause. ([JP 3-42](#), pg. GL-7) This task encompasses employing the following but not limited to: Active, passive, and low carbon detectors; and ground penetrating radar systems. (AEODPS 60 Series Automated EOD Publication System)

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 an environment with sub-surface unexploded ordnance.

STANDARD: To detect and mark buried ordnance.

PERFORMANCE STEPS:

1. Determine search parameters.
2. Determine type of tool(s).
3. Prepare equipment for use.
4. Conduct actions within search parameters.
5. Mark suspected buried UXO.

REFERENCES:

1. [JP 3-42 Joint Explosive Ordnance Disposal](#)
2. AEODPS 60 Series Automated EOD Publication System

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

- [EOD-OPS-3002: Conduct unexploded explosive ordnance \(UXO\) response operations](#)
[EOD-OPS-3004: Conduct IED response](#)
[EOD-OPS-3006: Conduct conventional explosive ordnance response](#)
[EOD-OPS-3008: Respond to an Aircraft Incident](#)
[23XX-ADMN-2101: Apply the military munitions rule](#)

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17430 Impact Area Dudded
Facility Code 17937 Aerial Bombing Range

EQUIPMENT: Family of EOD equipment.

23XX-TOOL-2005: Employ robotics

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: The robotics platform provides the ability for the EOD technician to remotely gain access to and assess a suspected threat, remotely move a suspected threat, perform manual manipulation of exposed components, and employ energetic/manual tools.

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 urban or rural environment and a designated area.

STANDARD: To operate and navigate a robotic platform in a threat environment.

PERFORMANCE STEPS:

1. Determine robotics platform.
2. Prepare robotics platform, to include tools and/or explosive charges.
3. Employ robot wirelessly or tethered.

4. Utilize cameras to select path and conduct search.
5. Navigate terrain and obstacles.
 - a. Observe using cameras over, under, and around obstacles.
6. Gain access with manipulation or energetic equipment.
7. Manipulate objects / components, as required.
8. Utilize tools and/or explosives, if applicable.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

- [EOD-CBRN-3001: Conduct actions during a Chemical/ Biological incident](#)
- [EOD-DEMO-3001: Conduct disposal of explosive ordnance](#)
- [EOD-INTL-3001: Conduct Post Blast Analysis](#)
- [EOD-OPS-3001: Conduct Tactical Site Exploitation](#)
- [EOD-OPS-3002: Conduct unexploded explosive ordnance \(UXO\) response operations](#)
- [EOD-OPS-3004: Conduct IED response](#)
- [EOD-OPS-3005: Conduct Nuclear and Radiological threat response](#)
- [EOD-OPS-3007: Support Explosive Ordnance Disposal \(EOD\) Operations on Nuclear Weapon Accidents/Incidents \(NWAII\)](#)
- [EOD-OPS-3008: Respond to an Aircraft Incident](#)
- [23XX-IED-2001: Conduct render safe procedure on Improvised Explosive Device \(IED\)](#)
- [23XX-INTL-2001: Conduct reconnaissance on explosive ordnance](#)
- [23XX-INTL-2101: Perform a post-blast analysis](#)

INTERNAL SUPPORTING EVENTS:

- [23XX-TOOL-2006: Employ EOD disruption tools](#)

SUPPORT REQUIREMENTS:

ORDNANCE:

| <u>DODIC</u> | <u>QUANTITY</u> |
|---|------------------------|
| A011 Cartridge, 12 Gauge #00 Buckshot M162 | 3 per Marine |
| A017 Cartridge, 12 Gauge #9 Shot | 3 per Marine |
| AA54- Cartridge, 12 Gauge, Breaching, M1030 | 2 per Marine |
| AA62 Cartridge, 12 Gauge Ultra Velocity Slug MK274 Mod 0 | 3 per Marine |
| AA63 Cartridge, 12 Gauge Avon MK275 Mod 0 | 3 per Marine |
| AA64- Cartridge, 12 Gauge Low Velocity Blank MK276 Mod 0 | 3 per Marine |
| DWEC Cartridge, 12 Gauge Enhanced Blank MK277 Mod 0 | 3 per Marine |
| DWED Cartridge, 12 Gauge Custom Steel Slug MK279 Mod 0 | 3 per Marine |
| DWEE Cartridge, 12 Gauge Aluminum Slug MK280 Mod 0 | 3 per Marine |
| DWEI Pyrotechnic Initiator MK34 Mod 0 | 1000 FT per Marine |
| M023 Charge, Demolition Block M112 1-1/4 pound C-4 | 5 per Marine |
| M032 Charge, Demolition Block TNT 1-Pound | 3 per Marine |
| M130 Cap, Blasting Electric M6 | 10 per Marine |
| M131 Cap, Blasting Non-Electric M7 | 10 per Marine |
| M456 Cord, Detonating PETN Type I Class E | 25 FT per Marine |
| M980 Charge, Demolition Sheet 0.0831 Inch Thick | 1 FT per Marine |
| M981 Charge, Demolition Sheet 0.125 Inch Thick | 1 FT per Marine |
| MN08 Igniter, Time Blasting Fuse with Shock Tube Capability M81 | 10 per Marine |
| MN88 Cap, Blasting, Non-Electric, M21 w/ 500 ft. Mini tube | 3 per Marine |
| MN90 Cap, Blasting, Non-Electric, M23 w/ 1000 ft. Mini tube | 10 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/standardize
Facility Code 17830 Light Demolition Range
Facility Code 17962 MOUT Collective Training Facility (Small)
Facility Code 17963 MOUT Collective Training Facility (Large)

EQUIPMENT: Family of EOD equipment.

MATERIAL:

UNITS/PERSONNEL: Corpsman, 8404, 8425, 8427.

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: Training should occur in a multitude of environments and obstacles, as well as tethered and wireless.

23XX-TOOL-2006: Employ EOD disruption tools

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: Energetic disruption tools are designed to allow the EOD technician to select the round specific to the target material and remotely render safe the ordnance item or device through gagging, shearing, or removing of key components.

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 suspected device or ordnance item, in both an urban and rural environment.

STANDARD: To assemble and utilize the tool in the appropriate manner.

PERFORMANCE STEPS:

1. Conduct target analysis
2. Determine appropriate tool and load out.
3. Conduct functions check on tool and continuity check, if applicable.
4. Assemble tool and required firing system.
5. Position tool.
6. Engage target(s).
7. Verify results.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

EOD-CBRN-3001: Conduct actions during a Chemical/ Biological incident

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

EOD-OPS-3004: Conduct IED response

EOD-OPS-3010: Conduct Lodged Projectile Removal

EOD-OPS-3011: Conduct Weapon System Downloading

23XX-IED-2001: Conduct render safe procedure on Improvised Explosive Device (IED)

23XX-RSP-2002: Conduct Render Safe Procedure (RSP) on Unexploded Explosive Ordnance (UXO)

23XX-RSP-2101: Remove lodged projectile

23XX-RSP-2103: Download explosive ordnance

INTERNAL SUPPORTING EVENTS:

23XX-DEMO-2001: Initiate a non-electric firing system

23XX-DEMO-2002: Initiate an electric firing system

23XX-DEMO-2004: Employ a detonating cord system

23XX-OPS-2103: Employ protective works

SUPPORT REQUIREMENTS:

ORDNANCE:

| <u>DODIC</u> | <u>QUANTITY</u> |
|---|------------------------|
| A555 Cartridge, Caliber .50 Ball M33 Linked (M2 Links) | 2 per Marine |
| AA62 Cartridge, 12 Gauge Ultra Velocity Slug MK274 Mod 0 | 1 per Marine |
| AA63 Cartridge, 12 Gauge Avon MK275 Mod 0 | 1 per Marine |
| AA64- Cartridge, 12 Gauge Low Velocity Blank MK276 Mod 0 | 1 per Marine |
| AA66 Cartridge, 12 Gauge Com. Black Powder Blank MK278 Mod 0 | 2 per Marine |
| AX14 Primer, Percussion 12 Gauge W209 | 2 per Marine |
| DWEC Cartridge, 12 Gauge Enhanced Blank MK277 Mod 0 | 1 per Marine |
| DWED Cartridge, 12 Gauge Custom Steel Slug MK279 Mod 0 | 1 per Marine |
| DWEE Cartridge, 12 Gauge Aluminum Slug MK280 Mod 0 | 1 per Marine |
| DWEI Pyrotechnic Initiator MK34 Mod 0 | 1000 FT per Marine |
| M131 Cap, Blasting Non-Electric M7 | 3 per Marine |
| M174 Cartridge, Caliber .50 Impulse Electrically-Initiated | 3 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 Thick | 2 FT per Marine |
| ML03 Firing Device, Demolition Multi-Purpose M142 | 2 per Marine |
| MN08 Igniter, Time Blasting Fuse with Shock Tube Capability M81 | 2 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: Family of EOD equipment.

UNITS/PERSONNEL: Corpsman, 8404, 8425, 8427.

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
-

23XX-TOOL-2007: Employ radiographic tools

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: The Radiographic Imaging Systems, provides the military Explosive Ordnance Disposal (EOD) technician with the capability to eliminate hazards from ordnance that jeopardize national safety and military operations. The threats associated include all conventional munitions and Improvised Explosive Devices (IEDs). Radiographic Imaging System's allows EOD Technicians to analyze and determine the condition of a device or munitions when responding to threats. In addition, it provides the EOD Technician the capability of performing diagnostics on devices or munitions. Diagnostics is the ability to determine the threat, identify the internal components, evaluate the threat's condition, and select the appropriate render-safe, disposal or neutralization procedure. To safely perform diagnostics, a need exists to remotely perform non-invasive interrogation on unknown devices. Source :(User's Logistics Support Summary (ULSS) Document Number: LD- 05255 (RISEOD))

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: To identify components.

PERFORMANCE STEPS:

- 1. Conduct mission analysis.
- 2. Determine appropriate system.
- 3. Conduct preventative maintenance checks and services.
- 4. Conduct functions check.
- 5. Calculate desired exposure.
- 6. Employ tool(s).
- 7. Process radiographic image.
- 8. Interpret results.

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

- [EOD-CBRN-3001: Conduct actions during a Chemical/ Biological incident](#)
- [EOD-OPS-3001: Conduct Tactical Site Exploitation](#)

EOD-OPS-3002: Conduct unexploded explosive ordnance (UXO) response operations
EOD-OPS-3004: Conduct IED response
EOD-OPS-3006: Conduct conventional explosive ordnance response
EOD-INTL-3002: Conduct Technical Exploitation
EOD-ADMN-3001: Develop Exploitation Procedures
EOD-OPS-3012: Conduct Explosive Ordnance Exploitation
EOD-OPS-3003: Conduct an EOD Response
2305-OPS-2003: Direct Ordnance Exploitation Operations
23XX-INTL-2102: Conduct explosive ordnance exploitation

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

EQUIPMENT: Family of EOD equipment.

23XX-TOOL-2009: Detect a Radiological Source

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

READINESS-CODED: NO

DESCRIPTION: This event encompasses the employing of Gas-Filled or Solid-State detectors.

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 radiological environment with live source.

STANDARD: To detect, locate, and identify potential Nuclear Material of Concern (NMOC).

PERFORMANCE STEPS:

1. Compile equipment.
2. DON appropriate PPE per protective action guidance.
3. Observe Background
4. Make approach.
5. Determine stay time.
6. Collect Unknown, Background, Known Spectrum Data.
7. Collect Near Distance Photon Rate and Near Distance Neutron Rate.
8. Collect Far Distance Photon Rate and Far Distance Neutron Rate.
9. Take pictures of scene and NMOC.
10. Secure Site.
11. Communicate Collected Data.
12. Turn-over to forces authorized to conduct a Threat Assessment.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. CFR 49

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

EOD-OPS-3005: Conduct Nuclear and Radiological threat response
EOD-OPS-3007: Support Explosive Ordnance Disposal (EOD) Operations on Nuclear Weapon Accidents/Incidents (NWA)
23XX-CBRN-2002: Conduct nuclear ordnance operations
23XX-CBRN-2003: Support a Nuclear/Radiological Response

SUPPORT REQUIREMENTS:

EQUIPMENT: Family of EOD equipment.

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: In order to ensure training is realistic the unit should coordinate with the DOE National LAB, Local Hazmat Team, or other unit who can provide a radioactive isotope with sufficient strength to have the detection equipment used by EOD be effective.

23XX-TOOL-2010: Employ detector to identify chemical hazards

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: The responsibilities of the responding EOD team is to positively identify, mitigate, and report chemical hazards. This includes chemical warfare agents, TICS, TIMS, and assessing hazardous atmospheres. (AEODPS A-1-1-11)

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 chemical hazard and detection equipment.

STANDARD: Positively identify the hazard as chemical.

PERFORMANCE STEPS:

1. Determine detection Equipment.
2. Prepare chemical hazard detection equipment for use.
3. Operate chemical hazard detection equipment.
4. Monitor environment during approach to suspect hazard
5. Confirm/deny presence of chemical hazards.
6. Report results.

PRIMARY REFERENCE

1. AEODPS 60 Series Automated EOD Publication System

SUPPLEMENTARY REFERENCES

1. MCO 3571.2_
2. Appropriate equipment technical manuals

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

- [EOD-CBRN-3001: Conduct actions during a Chemical/ Biological incident](#)
- [EOD-CBRN-3002: Conduct decontamination of personnel](#)

INTERNAL SUPPORTING EVENTS:

- [23XX-CBRN-2001: Operate in a chemical/biological environment](#)
- [23XX-CBRN-2004: Perform Leak, Seal, and Package](#)

SUPPORT REQUIREMENTS:

EQUIPMENT: Family of EOD equipment.

MISCELLANEOUS:

4004. CORE PLUS SKILLS

23XX-ADMN-2101: Apply the military munitions rule

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: On February 12, 1997, EPA promulgated the Military Munitions Rule (MMR). Per this rule, EOD may or may not need to follow specific regulations as it pertains to 40 CFR Parts 260, 261, 262, 263, 264, 265, 266, and 270. Understanding how the MMR applies to EOD operations is pertinent to hazardous waste identification and management. (CFR Code of Federal Regulations)

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 scenarios and references.

STANDARD: Show basic understanding of MMR as it applies to EOD operations and training.

PERFORMANCE STEPS:

1. Apply MMR to range clearance operations.
2. Apply MMR to military training exercises.
3. Apply MMR to explosives or munitions emergency.

PRIMARY REFERENCES:

1. [MCO 3571.2 Explosive Ordnance Disposal \(EOD\) Program](#)

2. [DOD Directive 3025.18 Defense Support of Civil Authorities \(DSCA\)](#)
3. [DoDI 3025.21 Defense Support of Civilian Law Enforcement Agencies](#)
4. [DOD Manual 4715.26 DOD Military Munitions Rule](#)
5. AEODPS 60 Series Automated EOD Publication System
6. [EOD IMS User Guide](#)

SUPPLEMENTARY REFERENCES:

1. [RCRA Resource Conservation and Recovery Act](#)
2. [BLM Handbook A Handbook for Federal Land Managers, with Emphasis on UXO](#)
3. CFR Code of Federal Regulations
4. [ECM 06-2 Emergency Response \(Explosives or Munitions Emergency Response\) Conducted by EOD Personnel](#)
5. [JP 3-28 Defense Support of Civil Authorities](#)
6. [JP 3-29 Foreign Humanitarian Assistance](#)
7. [MCO 8027.1 Interservice Responsibilities for Explosive Ordnance Disposal](#)
8. [JP 3-42 Joint Explosive Ordnance Disposal](#)

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

[EOD-DEMO-3001: Conduct disposal of explosive ordnance](#)
[EOD-OPS-3002: Conduct unexploded explosive ordnance \(UXO\) response operations](#)
[EOD-OPS-3006: Conduct conventional explosive ordnance response](#)
[EOD-OPS-3008: Respond to an Aircraft Incident](#)
[EOD-OPS-3003: Conduct an EOD Response](#)

ADMINISTRATIVE NOTES: Military Munition Rule needs to be applied to different types of operations or emergency responses occurring in locations that Environmental Protection Agency has purview. This event mainly applies to bases and stations and is intended to be a standalone T&R Event conducted in a classroom or lecture style environment.

23XX-ADMN-2102: Provide EOD support to the Marine Corps Planning Process (MCP)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

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 war gaming, COA comparison and decision, orders development, transition, briefing, and graphics, etc.

MOS PERFORMING: 2305, 2336

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a mission, higher-HQ operations order, personnel, equipment, and references.

STANDARD: To support mission planning.

PERFORMANCE STEPS:

1. Provide staff estimates for problem framing.
2. Develop concepts of support.
3. War game concepts of support.
4. Compare concepts of support.
5. Present concepts of support for decision.
6. Develop the Appendix 13 to Annex C and provide input to other Appendices (CBRN, CIED, etc.).
7. Transition to produce operations plan or order.
8. Monitor decision points and CCIRS, if applicable.

REFERENCES:

PRIMARY REFERENCES:

1. [MCWP 5-10 Marine Corps Planning Process](#)

SUPPLEMENTARY REFERENCES:

1. [MCDP 5 Planning](#)
2. [NAVSEA OP 5, VOL 1 Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping](#)
3. MCO 3571.2_

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

- [EOD-C2-6001: Command and Control EOD forces](#)
[EOD-C2-5001: Command and control an EOD platoon](#)
[EOD-C2-4001: Manage an EOD section](#)
[2305-OPS-2002: Perform duties as an EOD planner](#)
[2305-OPS-2001: Direct operations](#)
[2336-OPS-2201: Manage EOD operations](#)

Reference MCWP 5-1 MCPP pages 2-4, 2-6, 3-2, 3-4, 4-2, 4-3, 5-2, 6-1, 6-2.

EOD is a supporting staff function to the GCE staff during MCPP and supports the OPT instead of running it.

23XX-DEMO-2101: Employ improvised disruption charges

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: (1) An EOD technique designed to cause deflagration, low-order detonation of the main charge, or mechanical breakup of an explosive-loaded ordnance item by attacking the item's case. (2) An EOD technique designed to separate the firing train components of an improvised explosive device (IED). (A-1-1-15).

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: MOJT

CONDITION: Given demolitions material and a target.

STANDARD: To disrupt the target.

PERFORMANCE STEPS:

1. Evaluate target.
2. Identify intended outcome.
3. Determine charge for use.
4. Assemble charge.
5. Emplace charge.
6. Initiate charge.
7. Verify disruption.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. [NAVSEA OP 5, VOL 1 Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping](#)
3. [MCO 3571.2 Explosive Ordnance Disposal \(EOD\) Program](#)

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

- [EOD-OPS-3004: Conduct IED response](#)
- [EOD-OPS-3003: Conduct an EOD Response](#)

INTERNAL SUPPORTING EVENTS:

- [23XX-DEMO-2001: Initiate a non-electric firing system](#)
- [23XX-DEMO-2002: Initiate an electric firing system](#)

SUPPORT REQUIREMENTS:

ORDNANCE:

| <u>DODIC</u> | <u>QUANTITY</u> |
|---|------------------------|
| DWEI Pyrotechnic Initiator MK34 Mod 0 | 1000 FT per Marine |
| G900 Grenade, Hand Incendiary Thermite AN-M14 | 3 per Marine |
| M023 Charge, Demolition Block M112 1-1/4 pound C-4 | 5 per Marine |
| M032 Charge, Demolition Block TNT 1-Pound | 3 per Marine |
| M130 Cap, Blasting Electric M6 | 5 per Marine |
| M131 Cap, Blasting Non-Electric M7 | 5 per Marine |
| M174 Cartridge, Caliber .50 Impulse Electrically-Initiated | 2 per Marine |
| M456 Cord, Detonating PETN Type I Class E | 50 FT per Marine |
| M591 Dynamite, Military M1 | 1 per Marine |
| M670 Fuse, Blasting Time M700 | 50 FT per Marine |
| M980 Charge, Demolition Sheet 0.0831 Inch Thick | 5 FT per Marine |
| M981 Charge, Demolition Sheet 0.125 Inch Thick | 5 FT per Marine |
| M982 Charge, Demolition Sheet 0.166 Inch Thick | 5 FT per Marine |
| M986 Charge, Demolition Sheet 0.333 Inch Thick | 2 FT per Marine |
| MM30 Charge, Flexible 20 Gram PETN MK140 Mod 0 | 3 per Marine |
| MN08 Igniter, Time Blasting Fuse with Shock Tube Capability M81 | 10 per Marine |
| MN88 Cap, Blasting, Non-Electric, M21 w/ 500 ft. Minitube | 1 per Marine |
| MN90 Cap, Blasting, Non-Electric, M23 w/ 1000 ft. Minitube | 1 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: Family of EOD equipment, COTS, and additive manufacturing items.

UNITS/PERSONNEL: Corpsman, 8404, 8425, 8427.

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: Units may be required to procure required expendable materials via open purchase or serve mart with capabilities congruent to applications listed in the EOD 60 Series Publications. This can additionally include containers locally produced utilizing additive manufacturing.

23XX-DEMO-2102: Employ commercial and/or foreign military explosives

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: When necessary, allied nation or captured explosives to supplement or replace standard explosive charges can be used. Only experienced demolition personnel should work with foreign explosives. ([TM 3-34.82/MCRP 3-17.7L](#))

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: MOJT

CONDITION: Given a mission.

STANDARD: To successfully perform EOD procedures.

PERFORMANCE STEPS:

1. Evaluate target.
2. Identify explosives.
3. Choose explosives based on comparable standard military explosives.
4. Prepare explosives.
5. Emplace explosives.
6. Initiate explosives.
7. Verify results.

REFERENCES:

PRIMARY REFERENFCES:

1. AEODPS 60 Series Automated EOD Publication System
2. MCO 8011.5 Class V (W) Ammunition Policies, Procedures and Information

SUPPLEMENTARY REFERENCES:

1. TM 3-34.82/MCRP 3-17.7L
2. [NAVSEA OP 5, VOL 1 Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping](#)
3. [MCO 3571.2 Explosive Ordnance Disposal \(EOD\) Program](#)

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

[EOD-DEMO-3001: Conduct disposal of explosive ordnance](#)
[EOD-OPS-3002: Conduct unexploded explosive ordnance \(UXO\) response operations](#)
[EOD-OPS-3006: Conduct conventional explosive ordnance response](#)

INTERNAL SUPPORTING EVENTS:

[23XX-DEMO-2001: Initiate a non-electric firing system](#)
[23XX-DEMO-2002: Initiate an electric firing system](#)

SUPPORT REQUIREMENTS:

ORDNANCE:

DODIC

| | <u>QUANTITY</u> |
|--|------------------------|
| ML51 TNT Bulk Flake f/Dog Scent Kit | 4 per Section |
| ML72 CXM-7 RDX Desensitized f/Dog Scent Kit | 4 per Section |
| MN82 Charge, Demolition Block SEMTEX A f/Dog Scent Kit | 4 per Section |
| MY57 Smokeless Powder, Single Base f/Dog Scent Kit | 4 per Section |
| MY5X Smokeless Powder, Double Base f/Dog Scent Kit | 4 per Section |

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: Family of EOD equipment.

MATERIAL: Civilian or foreign explosives.

UNITS/PERSONNEL: Corpsman, 8404, 8425, 8427.

}
23XX-DEMO-2103: Conduct rocket motor static fire

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

READINESS-CODED: NO

DESCRIPTION: Static firing may be accomplished by placing the item nose down

in a hole dug to fit the item. Ignition of the item may be through the item igniter or the use of a smokeless powder bag. Items that may be disposed of are rocket motors, Jet Assisted Take off (JATO) units, or rocket catapults. ([60-A-1-1-31](#))

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 unfired rocket motor.

STANDARD: To remove the propellant from the rocket motor.

PERFORMANCE STEPS:

1. Research item to be static fired.
2. Develop procedures.
3. Submit procedures, if required.
4. Prepare disposal site for rocket retention.
5. Execute remote ignition.
6. Validate propellant consumption.
7. Determine disposition.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. [NAVSEA OP 5, VOL 1 Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping](#)
3. [MCO 3571.2 Explosive Ordnance Disposal \(EOD\) Program](#)

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

[EOD-DEMO-3001: Conduct disposal of explosive ordnance](#)
[EOD-OPS-3012: Conduct Explosive Ordnance Exploitation](#)
[EOD-OPS-3003: Conduct an EOD Response](#)

INTERNAL SUPPORTING EVENTS:

[23XX-DEMO-2001: Initiate a non-electric firing system](#)
[23XX-DEMO-2002: Initiate an electric firing system](#)

SUPPORT REQUIREMENTS:

ORDNANCE NOTES: Acquire ordnance via Code H or SAR as available
DODIC: HA07 Rocket Motor 2.75-inch Mk66 Mod 4 (4/Alumn Cntr) 1 per Marine.

RANGE/TRAINING AREA:

Facility Code 17710 Multipurpose Training Range (MPTR)
Facility Code 17830 Light Demolition Range

EQUIPMENT: Family of EOD equipment.

MATERIAL: Post-hole digger

UNITS/PERSONNEL: Corpsman, 8404, 8425, 8427.

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: Acquire ordnance via Code H or SAR as available.

23XX-IED-2101: Employ electronic counter measures

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: A CREW system disrupts the radio frequency of the initiating device for a radio-controlled IED, preventing the signal from reaching the receiver of the explosive device. (ATP 3-34.20/MCRP 10-10.1 page B-11 para B-12)

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 radio controlled threat.

STANDARD: To disrupt threat signal.

PERFORMANCE STEPS:

1. Conduct functions test to ensure desired operation of CREW system.
2. Prepare the CREW system for employment.
3. Determine proper placement of CREW system, ensuring compatibility with other CREW systems.
4. Activate and place the CREW system.
5. Monitor and troubleshoot CREW system.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. ATP 3-34.20/MCRP 10-10.1

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

[EOD-INTL-3001: Conduct Post Blast Analysis](#)

[EOD-OPS-3001: Conduct Tactical Site Exploitation](#)

[EOD-OPS-3004: Conduct IED response](#)

[23XX-IED-2001: Conduct render safe procedure on Improvised Explosive Device \(IED\)](#)

INTERNAL SUPPORTING EVENTS:

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17410 Maneuver/Training Area, Light Forces

EQUIPMENT: Family of EOD equipment.

UNITS/PERSONNEL: CREW Equipment Field Service Representative, Electronic Warfare Officer (EWO), Frequency Manager. Corpsman, 8404, 8425, 8427.

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: Do not operate without authorization.

23XX-INTL-2101: Perform a post-blast analysis

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: The EOD team/element conducting a post-blast analysis allows for the preservation and immediate collection of material related to the weapon system and enables continued tactical site exploitation of the scene. ([JP 3-42](#))

MOS PERFORMING: 2305, 2336

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a detonation site.

STANDARD: To determine characteristics of the detonation.

PERFORMANCE STEPS:

1. Ensure scene is secure.
2. Establish safe area.
3. Obtain situational awareness.
4. Search for additional threats.
5. Process blast seat.
 - a. Conduct crater analysis to determine approximate main charge size
 - b. Collect fragmentation to determine main charge type via frag analysis
 - c. Gather appropriate sample(s) to identify explosive residue
6. Process incident site.
 - a. Conduct appropriate search pattern to locate additional evidence.
7. Collect evidence utilizing appropriate handling procedures.
8. Conduct follow on exploitation of evidence as applicable.
9. Submit evidence to appropriate entity or organization for follow on processing.
10. Conduct reporting.

REFERENCES:

PRIMARY REFERENCES:

[JP 3-42 Joint Explosive Ordnance Disposal](#)

SUPPLEMENTARY REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. [ATP 3-90.15 Site Exploitation](#)

3. [MCO 3571.2 Explosive Ordnance Disposal \(EOD\) Program](#)
4. [ATP 2-22.4 Technical Intelligence](#)
5. Weapons Technical Intelligence Handbook Version 2.0, March 2014

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

[EOD-INTL-3001: Conduct Post Blast Analysis](#)
[EOD-INTL-3002: Conduct Technical Exploitation](#)
[EOD-OPS-3001: Conduct Tactical Site Exploitation](#)
[2336-OPS-2101: Supervise EOD response element](#)

INTERNAL SUPPORTING EVENTS:

[23XX-TOOL-2005: Employ robotics](#)
[23XX-RSP-2104: Conduct EOD procedures on homemade energetic materials](#)
[23XX-IED-2101: Employ electronic counter measures](#)

SUPPORT REQUIREMENTS:

ORDNANCE NOTES: Ordnance requirement covered by event EOD-INTL-4001: Conduct post-blast analysis

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: Family of EOD equipment.

UNITS/PERSONNEL: Corpsman, 8404, 8425, 8427.

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: Ordnance required covers event EOD-INTL-4001: Conduct post-blast analysis and EOD-INTL-3001: Conduct post-blast analysis.

23XX-INTL-2102: Conduct explosive ordnance exploitation

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: Explosive Ordnance Exploitation includes, but is not limited to, disassembly, stripping, or inerting of conventional and improvised ordnance. Additionally, explosive ordnance exploitation supports force protection, assists in research and development, special programs, provides quality assurance, development of training aids, and supports historical preservation.[MCTP 10-10D]

MOS PERFORMING: 2305, 2336

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an explosive component and/or ordnance item.

STANDARD: To generate a technical report.

PERFORMANCE STEPS:

1. Identify the requirement.
2. Conduct ordnance reconnaissance.
3. Research ordnance item.
4. Develop procedures.
5. Determine required equipment.
6. Identify site.
7. Submit procedures.
8. Prepare equipment.
9. Execute plan.
10. Final disposition.
11. Validate procedures.
12. Complete reports.

PRIMARY REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. [MCO 3571.2 Explosive Ordnance Disposal \(EOD\) Program](#)
3. [NAVSEA OP 5, VOL 1 Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping](#)

SUPPLEMENTARY REFERENCES:

1. [NAVSEA OP 5, VOL 1 Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping](#)
2. [ATP 2-22.4 Technical Intelligence](#)
3. Weapons Technical Intelligence Handbook Version 2.0, March 2014

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

- [EOD-DEMO-3001: Conduct disposal of explosive ordnance](#)
- [EOD-OPS-3001: Conduct Tactical Site Exploitation](#)
- [EOD-INTL-3002: Conduct Technical Exploitation](#)
- [EOD-ADMN-3001: Develop Exploitation Procedures](#)
- [EOD-OPS-3012: Conduct Explosive Ordnance Exploitation](#)
- [2305-OPS-2003: Direct Ordnance Exploitation Operations](#)

INTERNAL SUPPORTING EVENTS:

- [23XX-ADMN-2001: Employ the automated explosive ordnance disposal publications system \(60 Series\)](#)
- [23XX-TOOL-2001: Employ the Self-Contained Breathing Apparatus \(SCBA\)](#)
- [23XX-TOOL-2003: Employ a remote wrench](#)
- [23XX-TOOL-2007: Employ radiographic tools](#)
- [23XX-OPS-2002: Perform evidence collection actions.](#)
- [23XX-DEMO-2006: Dispose of explosives by burning](#)
- [23XX-DEMO-2007: Conduct propellant burn](#)
- [23XX-DEMO-2103: Conduct rocket motor static fire](#)

SUPPORT REQUIREMENTS:

ORDNANCE NOTES: Ordnance requirement covered by event EOD-OPS-4002: Perform explosive ordnance exploitation.

RANGE/TRAINING AREA:

Facility Code 17710 Multipurpose Training Range (MPTR)

EQUIPMENT: Family of EOD equipment.

UNITS/PERSONNEL: Corpsman, 8404, 8425, 8427.

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: Ordnance requirement covered by event EOD-OPS-4002: Perform explosive ordnance exploitation.

23XX-OPS-2101: Employ advanced access/disablement techniques

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: It essential 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. 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 target.

STANDARD: To gain access.

PERFORMANCE STEPS:

1. Collect target intelligence.
2. Determine entry point.
3. Defeat locks, when required.
4. Defeat alarms, when required.
5. Defeat sensors, when required.

PRIMARY REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. [MCO 3571.2 Explosive Ordnance Disposal \(EOD\) Program](#)

SUPPORT REQUIREMENTS:

ROOMS/BUILDINGS: Commercial, industrial, security and military building structures to include locking mechanisms security sensors and alarms.

EQUIPMENT: Family of EOD 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: Alarm Defeat Course, Lock-picking Course, Circuit Diagnostic Course, Methods of Entry Course.

23XX-OPS-2102: Operate in confined spaces

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: A confined space is an area with a limited or restricted means for entry or exit, and is not designed for continuous occupancy (i.e. tanks, vessels, silos, storage bins, hoppers, vaults, pits, manholes, tunnels, equipment housing, ductwork, pipelines, etc.).

MOS PERFORMING: 2305, 2336

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a confined space.

STANDARD: To effectively maneuver and perform designated tasks.

PERFORMANCE STEPS:

1. Assess 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:

PRIMARY REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

SUPPLEMENTARY REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. NFPA 350 Guide for Safe Confined Space Entry and Work
3. OSHA 29 CFR 1910.146 Permit-required confined spaces
4. NIOSH 80-106 Working in Confined Spaces
5. ANSI Z117.1 Safety Requirements for Confined Spaces

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

[EOD-CBRN-3001: Conduct actions during a Chemical/ Biological incident](#)
[EOD-OPS-3004: Conduct IED response](#)
[EOD-OPS-3003: Conduct an EOD Response](#)
[23XX-CBRN-2001: Operate in a chemical/biological environment](#)
[23XX-TOOL-2001: Employ the Self-Contained Breathing Apparatus \(SCBA\)](#)
[23XX-TOOL-2010: Locate the presence of a Chemical Warfare Agent \(CWA\)](#)

SUPPORT REQUIREMENTS:

EQUIPMENT: Family of EOD equipment.

23XX-OPS-2103: Employ protective works

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

READINESS-CODED: NO

DESCRIPTION: The employment of engineering controls is intended to mitigate explosion effects in the event of an accidental detonation or for an intentional detonation. Personnel protective measures are intended to provide protection to personnel against explosion effects. Where extensive protective works are required, the assistance of construction or civil engineer personnel/specialists should be obtained. (A-1-1-4 para. 3.9.1)

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 explosive threat and threatened infrastructure.

STANDARD: To reduce the effects of blast and fragmentation to acceptable levels.

PERFORMANCE STEPS:

1. Evaluate explosive threat.
2. Calculate appropriate protective works.
3. Obtain required materials.
4. Construct protective works.

PRIMARY REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

SUPPLEMENTARY REFERENCES:

1. [MCO 3571.2 Explosive Ordnance Disposal \(EOD\) Program](#)
2. [MCO 8020.10 Marine Corps Explosives Safety Management Program](#)
3. DDESR 6055.09
4. DDESB TP-15 Approved Protective Construction
5. DDESB TP-20 Blast Effects Computer - Open (BEC-O) Version 1 User's Manual and Documentation
6. DDESB TP-23 Assessing Explosives Safety Risks, Deviations, and Consequences

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

EOD-CBRN-3001: Conduct actions during a Chemical/ Biological incident
EOD-OPS-3001: Conduct Tactical Site Exploitation
EOD-OPS-3004: Conduct IED response
EOD-OPS-3006: Conduct conventional explosive ordnance response
EOD-OPS-3009: Conduct standoff munitions disruption
EOD-OPS-3010: Conduct Lodged Projectile Removal
EOD-OPS-3011: Conduct Weapon System Downloading
EOD-INTL-3002: Conduct Technical Exploitation
EOD-OPS-3012: Conduct Explosive Ordnance Exploitation
EOD-OPS-3003: Conduct an EOD Response
23XX-RSP-2002: Conduct Render Safe Procedure (RSP) on Unexploded Explosive Ordnance (UXO)
23XX-RSP-2101: Remove lodged projectile
23XX-RSP-2102: Perform low order techniques
23XX-TOOL-2002: Employ remote firing device
23XX-TOOL-2003: Employ a remote wrench
23XX-TOOL-2006: Employ EOD disruption tools

SUPPORT REQUIREMENTS:

EQUIPMENT: Family of EOD equipment, Heavy Equipment, as required.

MATERIAL: CLASS IV.

23XX-PARA-2101: Conduct a low level static line jump

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: This task applies to all EOD Officers and Technicians with NMOS 8023.

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: 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 3120.11A Marine Corps Parachuting Policy and Program Administration
2. MCRP 3-10.1 Static Line Parachuting Techniques and Training

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

EQUIPMENT: Family of EOD equipment, and parachuting equipment assets.

UNITS/PERSONNEL: Corpsman, 8404, 8425, 8427, parachuting jump master.

23XX-RSP-2101: Remove lodged projectile

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: Applicable publications generally provide sufficient instructions for the removal of ammunition from a weapon by the crew or operator. The main concern of the weapon crew is to return a weapon to operational status without damage. Although lodged projectiles have been removed without apparent damage to a weapon, it is emphasized that undetected hazardous conditions may exist within a tube. If prescribed procedures for removal of a lodged projectile fail, the assistance of EOD personnel may be requested. [A-2-1-38 Pg. 7](#)

MOS PERFORMING: 2305, 2336

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

INITIAL LEARNING SETTING: FORMAL

CONDITION: Given a weapon system and lodged projectile.

STANDARD: To return a weapon to operational status without damage. [A-2-1-38](#)
[Pg. 7](#)

PERFORMANCE STEPS:

1. Positively ascertain the type of ammunition and fuzing.
2. Determine safeties.
3. Determine blast/fragmentation distances.
4. Execute approved procedures IAW the applicable publication.
5. Validate procedures.
6. Determine disposition.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

[EOD-OPS-3006: Conduct conventional explosive ordnance response](#)

[EOD-OPS-3008: Respond to an Aircraft Incident](#)

[EOD-OPS-3010: Conduct Lodged Projectile Removal](#)

INTERNAL SUPPORTING EVENTS:

[23XX-ADMN-2001: Employ the automated explosive ordnance disposal publications system \(60 Series\)](#)

[23XX-OPS-2103: Employ protective works](#)

SUPPORT REQUIREMENTS:

ORDNANCE:

| <u>DODIC</u> | <u>QUANTITY</u> |
|--|------------------------|
| B546 Cartridge, 40mm HEDP M433 | 1 per Marine |
| B643 Cartridge, 60mm High Explosive M888 | 1 per Marine |
| C869 Cartridge, 81mm HE M889/M889A1 with PD Fuze M935 | 1 per Marine |
| DA54 Projectile, 155mm HE (IMX-101) w/Supp Charge | 2 per Marine |
| M023 Charge, Demolition Block M112 1-1/4 pound C-4 | 1 per Marine |
| M130 Cap, Blasting Electric M6 | 2 per Marine |
| M174 Cartridge, Caliber .50 Impulse Electrically-Initiated | 1 per Marine |
| M456 Cord, Detonating PETN Type I Class E | 1 FT per Marine |

ORDNANCE NOTES: DA54 replaces D529

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/standardize

Facility Code 17830 Light Demolition Range

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

MATERIAL: Tape and water, or petroleum based sealant.

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: If available, foreign weapons can be utilized as support requirements.

23XX-RSP-2102: Perform low-order techniques

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: The primary methods of ordnance or area safing are render safe procedures followed by the removal of the ordnance to a disposal site. Low-order techniques serve to provide options for the EOD technician to consider when a high-order detonation is not acceptable or an existing RSP and/or disposal procedure(s) cannot be performed due to unforeseen restrictions or limitations. These techniques present options for explosive filler disruption. (A-2-1-73, AEODPS 60 Series Automated EOD Publication 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 an ordnance item and demolition material.

STANDARD: Disrupt the explosive filler by using low-order techniques. (A-2-1-73, AEODPS 60 Series Automated EOD Publication System)

PERFORMANCE STEPS:

1. Identify ordnance.
2. Select technique.
3. Perform technique.
4. Verify results.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

[EOD-DEMO-3001: Conduct disposal of explosive ordnance](#)
[EOD-OPS-3002: Conduct unexploded explosive ordnance \(UXO\) response operations](#)
[EOD-OPS-3004: Conduct IED response](#)
[EOD-OPS-3006: Conduct conventional explosive ordnance response](#)
[EOD-OPS-3009: Conduct standoff munitions disruption](#)

INTERNAL SUPPORTING EVENTS:

[23XX-OPS-2103: Employ protective works](#)

SUPPORT REQUIREMENTS:

ORDNANCE:

| <u>DODIC</u> | <u>QUANTITY</u> |
|---|-----------------|
| G900 Grenade, Hand Incendiary Thermite AN-M14 | 6 per Marine |
| M023 Charge, Demolition Block M112 1-1/4 pound C-4 | 1 per Marine |
| M130 Cap, Blasting Electric M6 | 10 per Marine |
| M131 Cap, Blasting Non-Electric M7 | 2 per Marine |
| M474 Container, Demolition Charge MK1 Mod 0 | 1 per Marine |
| M475 Container, Demolition Charge MK2 Mod 1 | 1 per Marine |
| M476 Container, Demolition Charge MK3 Mod 0 | 1 per Marine |
| M477 Container, Demolition Charge MK7 Mod 1 | 1 per Marine |
| M478 Container, Demolition Charge MK7 Mod 2 | 1 per Marine |
| M479 Container, Demolition Charge MK7 Mod 3 | 1 per Marine |
| M480 Container, Demolition Charge MK7 Mod 4 | 1 per Marine |
| M481 Container, Demolition Charge MK7 Mod 5 | 1 per Marine |
| M482 Container, Demolition Charge MK7 Mod 6 | 1 per Marine |
| M483 Container, Demolition Charge MK7 Mod 7 | 1 per Marine |
| M484 Container, Demolition Charge MK7 Mod 8 | 1 per Marine |
| M670 Fuse, Blasting Time M700 | 25 per Marine |
| M980 Charge, Demolition Sheet 0.0831 Inch Thick | 1 FT per Marine |
| M981 Charge, Demolition Sheet 0.125 Inch Thick | 1 FT per Marine |
| M982 Charge, Demolition Sheet 0.166 Inch Thick | 1 FT per Marine |
| M986 Charge, Demolition Sheet 0.333 Inch Thick | 1 FT per Marine |
| ML04 Cutter, High Explosive MK23 Mod 0 | 1 per Marine |
| ML05 Cutter, High Explosive MK24 Mod 0 | 1 per Marine |
| MN08 Igniter, Time Blasting Fuse with Shock Tube Capability M81 | 3 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/standardize
Facility Code 17830 Light Demolition Range

EQUIPMENT: Family of EOD equipment.

UNITS/PERSONNEL: Corpsman, 8404, 8425, 8427.

23XX-RSP-2103: Download explosive ordnance

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: This event includes both U.S. and foreign systems. Outcomes for this event include the reuse, intelligence gathering and disablement of the weapon system and associated ordnance. There are numerous explosive components that can be encountered in the conduct of this event as follows: indirect/direct fire weapons, artillery, LAV, tanks, aviation, and AAV. Weapon systems downloading is completed to collect information and material in support of intelligence, force protection, demilitarization, recovery, and re-distribution. AEODPS 60 Series Automated EOD Publication System

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 loaded weapon system.

STANDARD: To clear the weapon system.

PERFORMANCE STEPS:

1. Identify weapons system.
2. Identify ordnance.
3. Identify safeties.
4. Determine equipment.
5. Develop a plan.
6. Execute procedures.
7. Verify results.

REFERENCES:

PRIMARY REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

SUPPLEMENTARY REFERENCES:

1. Foreign Technical Manuals

INTERNAL SUPPORTED EVENTS:

[EOD-OPS-3011: Conduct Weapon System Downloading](#)

[EOD-OPS-3006: Conduct conventional explosive ordnance response](#)

INTERNAL SUPPORTING EVENTS:

[23XX-ADMN-2001: Employ the automated explosive ordnance disposal publications system \(60 Series\)](#)

[23XX-INTL-2001: Conduct reconnaissance on explosive ordnance](#)

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17830 Light Demolition Range

EQUIPMENT: Family of EOD equipment, U.S. and Foreign weapon systems.

UNITS/PERSONNEL: Corpsman, 8404, 8425, 8427.

23XX-RSP-2104: Conduct EOD Procedures on Homemade Explosive (HME) material

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: The type and size of equipment can be standard commercial grade or improvised. Precursors include readily available or easily attainable

material that contains the basic chemical ingredients to manufacture HME. Combined with the chemistry knowledge, synthesis methodology, and manufacturing equipment, precursors are transformed into viable explosives.

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 appropriate materials, in a commercial grade or improvised laboratory, and a mission.

STANDARD: To identify precursors, synthesis process, final products, and appropriate disposition of materials present.

PERFORMANCE STEPS:

1. Identify appropriate PPE and safety precautions for suspected laboratory environment.
2. Confirm laboratory function as explosive or chemical production.
 - a. Confirm laboratory space is safe for exploitation.
 - b. Identify precursors, processes, and product.
 - c. Identify energetic material category, if applicable.
 - d. Adjust PPE and safety precautions appropriately.
3. Conduct proper sampling techniques for product assessment.
4. Utilize detection equipment or field detection techniques.
5. Perform energetic material sampling for follow on exploitation.
6. Execute disposition of explosive hazards / waste chemicals.

REFERENCES:

1. Defense Intelligence Agency Homemade Explosives Volume 3
2. AEODPS 60 Series Automated EOD Publication System -60-A-1-1-9-2: Characteristics and properties of homemade explosives (HME)

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

[EOD-DEMO-3001: Conduct disposal of explosive ordnance](#)

[EOD-INTL-3001: Conduct Post Blast Analysis](#)

[EOD-OPS-3001: Conduct Tactical Site Exploitation](#)

[EOD-OPS-3004: Conduct IED response](#)

[EOD-INTL-3002: Conduct Technical Exploitation](#)

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17830 Light Demolition Range

EQUIPMENT: Family of EOD equipment., 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.

MATERIAL:

Chemical Precursors

UNITS/PERSONNEL:

Corpsman, 8404, 8425, 8427.

ADMIN NOTE: Production of Homemade Energetic Materials is critical to the individual EOD technician's understanding of these processes. Homemade Energetic Materials may be manufactured and synthesized by qualified personnel IAW SOUM 6-19 Storage, Mixing, and Detonation of Homemade Explosive on Marine Ranges IOT train to standard.

23XX-RSP-2106: Employ explosively driven water charge

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: Employ explosively driven water charges which when detonated, produce high-velocity water with sufficient stability, mass, and velocity to penetrate thin-cased targets. (60-A-2-1-65)

BILLETS: EOD Technician

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 target.

STANDARD: To gain access to and/or disrupt key components of a target.

PERFORMANCE STEPS:

1. Identify the characteristics of target.
2. Determine type of disruption charge required.
3. Determine emplacement method.
4. Construct charge.
5. Attach firing system.
6. Emplace charge.
7. Initiate firing system.
8. Verify results.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
- (C) 60-A-2-1-65: Water charge disruptor techniques
2. [NAVSEA OP 5, VOL 1 Ammunition and Explosives Ashore Safety Regulations for](#)

Handling, Storing, Production, Renovation and Shipping

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

EOD-OPS-3004: Conduct IED response

23XX-IED-2001: Conduct render safe procedure on Improvised Explosive Device (IED)

INTERNAL SUPPORTING EVENTS:

23XX-TOOL-2101: Conduct vehicle entry techniques

SUPPORT REQUIREMENTS:

ORDNANCE:

DODIC

| | <u>QUANTITY</u> |
|---|------------------------|
| DWEI Pyrotechnic Initiator MK34 Mod 0 | 1000 per Marine |
| M023 Charge, Demolition Block M112 1-1/4 pound C-4 | 3 per Marine |
| M130 Cap, Blasting Electric M6 | 3 per Marine |
| M131 Cap, Blasting Non-Electric M7 | 6 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 Thick | 2 FT per Marine |
| M981 Charge, Demolition Sheet 0.125 Inch Thick | 2 FT per Marine |
| MN08 Igniter, Time Blasting Fuse with Shock Tube Capability M81 | 10 per Marine |
| MN88 Cap, Blasting, Non-Electric, M21 w/ 500 ft. Minitube | 5 per Marine |
| MN90 Cap, Blasting, Non-Electric, M23 w/ 1000 ft. Minitube | 5 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: Family of EOD equipment.

MATERIAL: Units may be required to procure required expendable materials via open purchase or serve mart with capabilities congruent to applications listed in the EOD 60 Series Publications. This can additionally include containers locally produced utilizing additive manufacturing.

UNITS/PERSONNEL: Corpsman, 8404, 8425, 8427.

23XX-TOOL-2101: Conduct vehicle entry techniques

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: Vehicle access to locate exactly and gain access to a suspected or confirmed explosive threat requires the application of multiple EOD Tools and Techniques, including and not limited to: Methods of Entry techniques, hook and line techniques, volumetric charges, advanced access techniques, and robotics. (Department Of Defense Explosive Ordnance Disposal Program Board Policy Agreement 5100.01)

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 vehicle with a suspected explosive threat utilize EOD tools and techniques to gain access to the explosive threat.

STANDARD: To gain access.

PERFORMANCE STEPS:

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

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. DEPARTMENT OF DEFENSE EXPLOSIVE ORDNANCE DISPOSAL PROGRAM BOARD POLICY AGREEMENT 5100.01

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

[EOD-OPS-3004: Conduct IED response](#)

INTERNAL SUPPORTING EVENTS:

[23XX-OPS-2001: Employ hook and line techniques](#)

[23XX-RSP-2106: Employ volumetric charges](#)

SUPPORT REQUIREMENTS:

ORDNANCE:

DODIC

| | <u>QUANTITY</u> |
|---|------------------------|
| DWEI Pyrotechnic Initiator MK34 Mod 0 | 1000 FT per Marine |
| M023 Charge, Demolition Block M112 1-1/4 pound C-4 | 1 per Marine |
| M130 Cap, Blasting Electric M6 | 5 per Marine |
| M456 Cord, Detonating PETN Type I Class E | 50 FT per Marine |
| M981 Charge, Demolition Sheet 0.125 Inch Thick | 4 FT per Marine |
| MN08 Igniter, Time Blasting Fuse with Shock Tube Capability M81 | 5 per Marine |
| MN90 Cap, Blasting, Non-Electric, M23 w/ 1000 ft. Mini tube | 1 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: Family of EOD equipment.

MATERIAL: Unit purchased Hydro jets, Mineral Water Bottles, Boot Bangers,

Slim Jims, and Head Shot.

UNITS/PERSONNEL: Corpsman, 8404, 8425, 8427.

23XX-TOOL-2102: Employ a precision fire weapon system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: EOD technicians may be required to employ precision fire weapon systems to mitigate explosive hazards presented by UXO and IEDs, and during standoff munition disruption operations. It is essential for EOD technicians to know how to employ a precision weapon system. Zeroing is adjusting the sights on the weapon to cause the shots to impact where the shooter aims. This must be accomplished while compensating for the effects of weather and the range to the target. It is critical that EOD technicians be able to zero a precision weapon system and make the sight adjustments required to engage targets accurately. (MCRP 3-01A, pg. 8-1)

BILLET:

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 precision weapon system, an observer, appropriate ammunition, a target, and wearing the directed body armor protection level.

STANDARD: To engage a target accurately and achieve point of aim/point of impact. (TM 11110A-01 / TM 11920A-OR)

PERFORMANCE STEPS:

1. Perform a detailed safety check of the weapon system.
2. Place scope on initial elevation and windage.
3. Achieve focus and remove parallax.
4. Assume a supported firing position.
5. Evaluate environmental conditions.
6. Adjust for environmental conditions.
7. Prepare for firing.
8. Fire a cold bore shot and record impact location.
9. Fire a 3 round group.
10. Record information in the data book.
11. Analyze data.
12. Apply required adjustments to scope.
13. Fire a second zeroing group if necessary (repeating steps 7 through 10).
14. Once point of aim/point of impact has been achieved, slip elevation and windage turrets to zeroing range.
15. Repeat steps 1 through 9 to record shift in impacts without the suppressor, if applicable.
16. Record the zeros for the suppressor on and off into the data book.

17. Identify target
18. Conduct range estimation
19. Engage target
20. Repeat as necessary
21. Record results
22. Record round count as required.

REFERENCES:

PRIMARY REFERENCES:

1. TM 11110A-01 LONG RANGE SNIPER RIFLE M107
2. TM 11110A-OR Long Range Sniper Rifle (LRSR), USMC Special Application Scoped Rifle (SASR) Caliber .50, M107
3. TM 11920A-OR M110 MK11MOD2 SASS

SUPPLEMENTARY REFERENCE:

1. MCRP 3-01A Rifle Marksmanship
2. TM 11110A-OR/A Operator's Manual for Long Range Sniper Rifle (LRSR)

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

- [EOD-OPS-3009: Conduct standoff munitions disruption](#)
[EOD-OPS-3002: Conduct unexploded explosive ordnance \(UXO\) response operations](#)
[23XX-RSP-2002: Conduct Render Safe Procedure \(RSP\) on Unexploded Explosive Ordnance \(UXO\)](#)

SUPPORT REQUIREMENTS:

ORDNANCE:

| <u>DODIC</u> | <u>QUANTITY</u> |
|---|------------------------|
| A552 Cartridge, Caliber .50 Ball, Ctn F/M | 20 per Marine |
| A606 Cartridge, Caliber .50 API MK211 Mod | 20 per Marine |
| AB39 Cartridge, 7.62mm Long Range M118 LR | 20 per Marine |
| AA03 Cartridge, 7.62mm AP M993 Single Round | 20 per Marine |

RANGE/TRAINING AREA:

Facility Code 17560 Sniper Field-Fire Range

MISCELLANEOUS:

EQUIPMENT: M110 SASS and M107 SASR, Spotting Scope, Laser Range Finder, family of EOD equipment.

UNITS/PERSONNEL: Corpsman, 8404, 8425, 8427.

EOD T&R MANUAL

CHAPTER 5: MOS 2305 INDIVIDUAL EVENTS

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EOD T&R MANUAL

CHAPTER 5

MOS 2305 INDIVIDUAL EVENTS

5000. PURPOSE

This chapter details the individual events that pertain to Explosive Ordnance Disposal Officers. 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:

| <u>Code</u> | <u>DESCRIPTION</u> |
|-------------|-------------------------------------|
| 2305 | Explosive Ordnance Disposal Officer |

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

| <u>Code</u> | <u>DESCRIPTION</u> |
|-------------|--------------------|
| ADMN | 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:

| <u>Code</u> | <u>DESCRIPTION</u> |
|-------------|--------------------|
| 2000 | Core Plus Skills |

5002. INDEX OF INDIVIDUAL EVENTS

| Event Code | E-Coded | Event |
|-------------------|----------------|--|
| 2305-ADMN-2002 | NO | Direct unit administrative readiness |
| 2305-ADMN-2003 | NO | Direct Explosive Ordnance Disposal personnel |
| 2305-ADMN-2004 | NO | Direct EOD training program |
| 2305-ADMN-2005 | NO | Support an explosive mishap investigation |
| 2305-ADMN-2006 | NO | Direct Equipment Readiness |
| 2305-ADMN-2007 | NO | Direct EOD Personnel Readiness |
| 2305-INTL-2001 | NO | Collate Information |
| 2305-OPS-2001 | NO | Direct operations |

| | | |
|---------------|----|---|
| 2305-OPS-2002 | NO | Perform duties as a Staff EOD Officer |
| 2305-OPS-2003 | NO | Direct Ordnance Exploitation Operations |

5003. 2000-LEVEL EVENTS

2305-ADMN-2002: Direct unit administrative readiness

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: This event focuses on all administrative function within the EOD unit. The Marine Corps demands and enforces the highest ethical standards from its members, fairly and efficiently manages its resources and people, and exercises a fiduciary responsibility over taxpayers' dollars. [MCO 5430.1A](#) Ensuring administrative readiness will ensure the unit is able to quickly and readily deploy.

MOS PERFORMING: 2305

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an inspection checklist.

STANDARD: To ensure compliance with established directives. [CGRI](#)

PERFORMANCE STEPS:

1. Inspect unit's functional areas.
2. Inspect unit's historical files.
3. Identify deficiencies.
4. Implement/execute a corrective action plan.
5. Verify results.

REFERENCES:

PRIMARY REFERENCES:

1. [MCO 3571.2 Explosive Ordnance Disposal \(EOD\) Program](#)

SUPPLEMENTARY REFERENCES:

1. [MCO 1000.6 Assignment, Classification and Travel System Manual \(ACTSMAN\)](#)
2. [MCO 3000.13B Marine Corps Readiness Reporting](#)
3. [MCO 5430.1A Marine Corps Inspector General Program](#)
4. [MCO 8027.1 Interservice Responsibilities for Explosive Ordnance Disposal](#)
5. [MCO 7300.21B Marine Corps Financial Management SOP Manual](#)
6. [NAVSEA OP 5, VOL 1 Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping](#)
7. [NAVMC DIR 5210.11 Marine Corps Records Management Program](#)
8. [SECNAVINST 5210.1 Department of the Navy Records Management Manual](#)
9. [SECNAVINST 5210.11 Department of the Navy File Maintenance Procedures and Standard Subject Identification Codes](#)
10. [SECNAVINST 5211.5 Department of the Navy \(DON\) Privacy Program](#)

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

[EOD-C2-6001: Command and Control EOD forces](#)
[EOD-C2-5001: Command and control an EOD platoon](#)
[EOD-C2-4001: Manage an EOD section](#)

INTERNAL SUPPORTING EVENTS:

[2305-ADMN-2003: Direct Explosive Ordnance Disposal personnel](#)
[2305-ADMN-2007: Direct EOD Personnel Readiness](#)
[2336-ADMN-2203: Manage personnel administrative readiness](#)

SUPPORT REQUIREMENTS:

EQUIPMENT: Family of EOD Equipment

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This event encompasses the use of but not limited to the following items: Table of Organization and Equipment, Inspections [FSMAO, GCIP(Antiterrorism, Casualty Affairs, Combat Stress, Defense Travel, Family Care Plans, Foreign Disclosure, Historical Programs and Physical Security), Desktop Procedures and Corrective Action Plan], HDIP, MOU/MOA, Access Rosters, VIPPSA [Definitions, requirements, tasking process, availability reporting, inventories, clothing allowance], DRRS, and Finances (Budget).

2305-ADMN-2003: Direct Explosive Ordnance Disposal personnel

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: Marine Leaders, relying on timeless principals of good leadership develop Marines in order to sustain the transformation, help them achieve their full potential, and prepare them for long-term personal and professional success. [MCO 1500.61, para 3.](#)

MOS PERFORMING: 2305

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a unit.

STANDARD: To ensure personnel development.

PERFORMANCE STEPS:

1. Determine billet functions and assignments.
2. Implement counseling/ Marine Leader Development programs.
3. Advise career progression.
4. Evaluate personnel.
5. Generate Commendatory material as appropriate
6. Generate derogatory material, as appropriate

REFERENCES:

PRIMARY REFERENCES:

1. [MCO 3571.2 Explosive Ordnance Disposal \(EOD\) Program](#)
2. [MCO 1200.17 Military Occupational Specialties \(MOS\) Marine Corps Manual \(MOS Manual\)](#)

SUPPLEMENTARY REFERENCES:

1. [MCO 8027.1 Interservice Responsibilities for Explosive Ordnance Disposal](#)
2. [MCO 1610.7 Performance Evaluation System \(PES\)](#)
3. [MCO 1500.61 Marine Leader Development](#)
4. [NAVSEA OP 5, VOL 1 Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping](#)
5. NAVMED P-117 Manual of the Medical Department
6. [JP 3-42 Joint Explosive Ordnance Disposal](#)
7. [SECNAVINST 1650.1H Navy and marine Corps Awards Manual](#)

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

[EOD-C2-6001: Command and Control EOD forces](#)
[EOD-C2-5001: Command and control an EOD platoon](#)
[EOD-C2-4001: Manage an EOD section](#)

INTERNAL SUPPORTING EVENTS:

[2336-ADMN-2203: Manage personnel administrative readiness](#)

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This includes Fitness Reports, Counseling's (initial and performance based) Commendatory Material (Awards, LOA, CertCom, and Meritorious Mast) Derogatory (NPLOC, PG11), MOS Removal, Billet Assignments, and Commodities.

2305-ADMN-2004: Direct EOD training program

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

READINESS-CODED: NO _

DESCRIPTION: Training is a professional and moral imperative. It is the Marine Corps' responsibility to ensure that both regular and reserve components are properly trained. Training encompasses the full range of duties, responsibilities, and missions of Marines, and it must be embedded in all that Marines do. ([MCTP 8-10A p. 1-1](#))

MOS PERFORMING: 2305

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a unit, METL, and higher headquarters training priorities.

STANDARD: To ensure a comprehensive, relevant, and realistic training program

is utilized IOT provide successful EOD operations and ensure unit readiness.
([MCO 3571.2H](#) p.3-15 para. 11)

PERFORMANCE STEPS:

1. Assess EOD unit readiness.
2. Develop annual training guidance.
3. Approve training plan.
4. Evaluate training effectiveness.
5. Adjust training plan (as required).

REFERENCES:

PRIMARY REFERENCES:

1. [MCO 1553.3 Unit Training Management \(UTM\)](#)
2. [MCO 3571.2 Explosive Ordnance Disposal \(EOD\) Program](#)

SUPPLEMENTARY REFERENCES:

1. MCBul 1500 Annual Training and Education Requirements
2. [MCO 8027.1 Interservice Responsibilities for Explosive Ordnance Disposal](#)
3. MCTIMS USER'S MANUAL Marine Corps Training Information Management System (MCTIMS) User's Manual.
4. [MCTP 8-10A Unit Training Management Guide](#)
5. T/O&E Table of Organization and Equipment

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

[EOD-C2-6001: Command and Control EOD forces](#)
[EOD-C2-5001: Command and control an EOD platoon](#)
[EOD-C2-4001: Manage an EOD section](#)

SUPPORT REQUIREMENTS:

EQUIPMENT: Family of EOD equipment.

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This event encompasses the utilization of but not limited to the following items: letters of instruction, budget prioritization and approval, operations order review and approval, administrative reporting, DRRS, MCTIMS, MCCLL.

2305-ADMN-2005: Support an explosive mishap investigation

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: A Safety Investigation Board (SIB) will be convened during an explosive related mishap. An EOD officer can be called to serve as a subject matter expert as a member of the SIB or as an advisor. It is imperative to have an EOD subject matter expert as part of the SIB with regards to an EOD related explosive mishap. [MCO 3571.2H Para 15](#)

MOS PERFORMING: 2305

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an explosive mishap.

STANDARD: To analyze, document, and report findings related to the accident or incident involving explosive ordnance as a result of unintentional detonation.

PERFORMANCE STEPS:

1. Gather accident documentation.
2. Consult will command designated Staff Judge Advocate
3. Conduct interviews.
4. Compile report IAW MCO P5102.1_ and DoDI 6055.7_
5. Submit report IAW MCO P5102.1_ and DoDI 6055.7_

REFERENCES:

PRIMARY REFERENCES:

1. [DODI 6055.07 Mishap Notification, Investigation, Reporting and Record Keeping](#)
2. [OPNAVINST 5102.1 /MCO P5102.1 Navy & Marine Corps Mishap and Safety Investigation, Reporting and Record Keeping Manual](#)
3. [MCO 3571.2 Explosive Ordnance Disposal Program](#)

SUPPLEMENTARY REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. [DOD 6055.09-M Volumes 1 through 8 Department of Defense Ammunition and Explosives Safety Standards \(Current DOD 60.55.09-M series is Volume 1-8\)](#)
3. [JAGINST 5800.7 Manual of the Judge Advocate General \(JAGMAN\)](#)

2305-ADMN-2006: Direct Equipment Readiness

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

READINESS-CODED: NO _

DESCRIPTION: This event encompasses the accountability and readiness of Marine Corps equipment held by the EOD unit. All EOD tools and equipment shall be maintained in a high state of readiness and repair to facilitate emergency response operations. This state includes, at minimum, quarterly inventories, current calibrations, replacement of broken or lost items, accurate property accounting, and up to date readiness reporting in GCSS-MC. [MCO 3571.2](#)

MOS PERFORMING: 2305

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given the family of EOD equipment, Consolidated Memorandum

Receipt, TO&E, personnel, supply requirements, and AIS.

STANDARD: To ensure equipment accountability, readiness and proper documentation.

PERFORMANCE STEPS:

1. Direct maintenance administration.
2. Direct records and reports.
3. Direct publications control.
4. Direct maintenance operations.
5. Direct supply support.
6. Direct maintenance related programs.
 - a. Conduct inventories as required.
7. Monitor unit equipment readiness.
8. Monitor the maintenance automated information systems.

REFERENCES:

1. GCSS-MC Guide Global Combat Support System-Marine Corps Guide
2. [MCO 3571.2 Explosive Ordnance Disposal \(EOD\) Program](#)
3. [MCO 4400.150 Consumer-Level Supply Policy](#)
4. [MCO 4400.201 Management of Property in the Possession of the Marine Corps](#)

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

[EOD-C2-6001: Command and Control EOD forces](#)
[EOD-C2-5001: Command and control an EOD platoon](#)
[EOD-C2-4001: Manage an EOD section](#)

INTERNAL SUPPORTING EVENTS:

[2336-ADMN-2205: Manage equipment](#)

2305-ADMN-2007: Direct EOD Personnel Readiness

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

READINESS-CODED: NO

DESCRIPTION: This event includes effective administrative direction of EOD Personnel. All EOD personnel will be annually screened for continued service in the EOD MOS using NAVMC 11362. [MCO 3571.2H. CH 2, para 5](#) Personnel requesting lateral move into MOS 2336 will be screened utilizing NAVMC 11361. [MCO 3571.2H. CH 2, para 4](#)

MOS PERFORMING: 2305

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an EOD Marine, or an EOD lateral move candidate.

STANDARD: To ensure qualification and sustainment of EOD personnel.

PERFORMANCE STEPS:

1. Validate screening of medical records.
2. Validate local records check.
3. Validate status of Marine against appropriate unit punishment book.
4. Determine security clearance status.
5. Identify Personnel Reliability Program Status.
6. Conduct review of Marine against appropriate subsections of Inspector General Checklist 3571.
7. Determine qualifications.
8. Record discrepancies (As appropriate).
9. Endorse appropriate document.

PRIMARY REFERENCE

1. [MCO 3571.2 Explosive Ordnance Disposal \(EOD\) Program](#)

SUPPLEMENTARY REFERENCES

1. [MCO 1200.17 Military Occupational Specialties \(MOS\) Marine Corps Manual \(MOS Manual\)](#)
2. [MCO 3571.2 Explosive Ordnance Disposal \(EOD\) Program](#)
3. [MCO 8027.1 Interservice Responsibilities for Explosive Ordnance Disposal](#)
4. [MCO 1610.7 Performance Evaluation System \(PES\)](#)
5. [NAVSEA OP 5, VOL 1 Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping](#)
6. [NAVMED P-117 Manual of the Medical Department](#)
7. [JP 3-42 Joint Explosive Ordnance Disposal](#)
8. [MCO 5040.6J Inspector general of the Marine Corps Inspections Program](#)
9. [DoDM 5210.42 Nuclear Weapons Personnel reliability Program](#)

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

- [EOD-C2-6001: Command and Control EOD forces](#)
[EOD-C2-5001: Command and control an EOD platoon](#)
[EOD-C2-4001: Manage an EOD section](#)
[2305-ADMN-2002: Direct unit administrative readiness](#)

INTERNAL SUPPORTING EVENTS:

- [2336-ADMN-2203: Manage personnel administrative readiness](#)

ADMINISTRATIVE INSTRUCTIONS: This event directly relates to the individual qualification of an EOD Marine, encompassing NAVMC 11361 for lateral move, NAVMC 11362 for annual screening.

EQUIPMENT: Family of EOD equipment

2305-INTL-2001: Collate Information

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: Prompt and accurate reporting is critical to developing intelligence that supports operations. EOD contributions to information gathering during operations are critical to developing the Common Operating

Picture (COP) and the safe conduct of operations within an operational area. These reports provide near real-time situational awareness to the commander. [JP 3-42 Appendix F, Para 1.a \(Pg. F-1\)](#)

MOS PERFORMING: 2305

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given access to multi-disciplined reporting.

STANDARD: To ensure timely visibility of any data of intelligence value and provide propagation of information to all agencies that will benefit from the information. [MCTP 10-10D Pg. 4-9](#)

PERFORMANCE STEPS:

1. Identify information requirements.
2. Gather information from multi-disciplined reports and process combat data.
3. Generate fused information products.
4. Disseminate information in support of Intelligence Preparation of the Operational Environment.
5. Provide feedback to refine future information requirements.

REFERENCES:

PRIMARY REFERENCES:

1. [JP 3-42 Joint Explosive Ordnance Disposal](#)
2. [NAVSEA OP 5, VOL 1 Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping](#)

SUPPLEMENTARY REFERENCES:

1. [03-024.3 Explosive Ordnance Disposal \(EOD\) Non-Nuclear Security Classification Guide](#)
2. [JP 3-42 Joint Explosive Ordnance Disposal](#)
3. [MCO 3571.2 Explosive Ordnance Disposal \(EOD\) Program](#)
4. [MCO 8027.1 Interservice Responsibilities for Explosive Ordnance Disposal](#)
5. [ATP 2-22.4 Technical Intelligence](#)
6. Weapons Technical Intelligence Handbook Version 2.0, March 2014

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

- [EOD-ADMN-4001: Provide Support to Other Government Agencies](#)
- [EOD-C2-4001: Manage an EOD section](#)
- [EOD-OPS-4002: Perform explosive ordnance exploitation](#)
- [EOD-ADMN-3001: Develop Exploitation Procedures](#)
- [EOD-INTL-3002: Conduct Technical Exploitation](#)
- [2305-OPS-2001: Direct operations](#)
- [2305-OPS-2003: Direct Ordnance Exploitation Operations](#)

INTERNAL SUPPORTING EVENTS:

- [2305-OPS-2002: Perform duties as an EOD planner](#)
- [2336-ADMN-2202: Manage EOD reporting](#)
- [2336-OPS-2201: Manage EOD operations](#)
- [2336-OPS-2101: Supervise EOD response element](#)

SUPPORT REQUIREMENTS:

EQUIPMENT: Family of EOD equipment with access to a SIPR connection.

2305-OPS-2001: Direct operations

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: Marine Corps EOD forces are uniquely trained personnel that support a unit's operational concept by eliminating and mitigating all EO in the unit's area of operations. Explosive ordnance disposal forces are task-organized and integrated to support the MAGTF, SOF, supporting establishment, and homeland defense operations. Explosive ordnance disposal sections assigned to MAGTF operations provide support to a range of military operations in the designated operational environment, in accordance with the mission statement. [MCTP 10-10D](#)

MOS PERFORMING: 2305

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a supported unit/agency, mission, area of operations, and EOD forces

STANDARD: To ensure integration and provide support across the range of military operations.

PERFORMANCE STEPS:

1. Conduct mission analysis.
2. Determine mission requirements.
3. Identify shortfalls.
4. Oversee logistical requirements/capabilities.
5. Task organize EOD resources.
6. Validate support and response SOPs.
7. Integrate EOD assessments and planning considerations.
8. Develop mission planning.
9. Advise higher/adjacent/supporting units.
10. Coordinate liaison with internal/external agencies.

REFERENCES:

PRIMARY REFERENCES:

1. [NAVSEA OP 5, VOL 1 Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping](#)

SUPPLEMENTARY REFERENCES:

1. [DOD Manual 4715.26 DOD Military Munitions Rule](#)
2. [MCO 3000.18 Marine Corps Force Deployment Planning and Execution Manual, \(Short Title FDP&E Manual\)](#)
3. [MCO 3120.13 Policy for Marine Expeditionary Units](#)
4. [MCO 3571.2 Explosive Ordnance Disposal \(EOD\) Program](#)
5. [MCWP 5-10 Marine Corps Planning Process](#)

6. Op Order Annex C Appendix 13
7. [JP 3-42 Joint Explosive Ordnance Disposal](#)

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

[EOD-C2-6001: Command and Control EOD forces](#)
[EOD-C2-5001: Command and control an EOD platoon](#)
[EOD-C2-4001: Manage an EOD section](#)

INTERNAL SUPPORTING EVENTS:

[EOD-OPS-3003: Conduct an EOD Response](#)
[2336-OPS-2201: Manage EOD operations](#)
[2336-ADMN-2201: Manage Class V](#)
[2336-ADMN-2202: Manage EOD reporting](#)
[2336-ADMN-2101: Supervise Class V](#)
[2336-OPS-2101: Supervise EOD response element](#)

SUPPORT REQUIREMENTS:

EQUIPMENT: Family of EOD equipment.

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: Directing EOD operations include, but are not limited to: Marine Corps Planning Process (MCP), EOD confirmation brief, tasking EOD forces, underwriting the operational or installation order for full spectrum EOD employment, setting up resupply procedures, ensuring evidence evacuation procedures are in place, and oversight of EOD functional areas.

2305-OPS-2002: Perform duties as a staff EOD Officer

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: EOD Officers in a staff billet are responsible for providing EOD Technical Expertise, integration, and input into deliberate planning, the rapid response planning process, crisis action planning, the Marine Corps Planning Process, the Joint Planning Process, and additional plans (campaign & operational) as required. Additionally, EOD Officers should incorporate EOD considerations and gaps within the Boards, Bureaus, Centers, Cells and Working Groups (B2C2WG) process. EOD Officers are the primary integrator for confirmation briefs, capabilities briefs, EOD force sustainment requirements, EOD force rotational requirements (to include individual augments). Other EOD Officer duties and responsibilities are to develop and publish feasibility of support messages/requirements, tasking messages/orders, and operation orders.

MOS PERFORMING: 2305

GRADES: CAPT, MAJ, LTCOL

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a Campaign Plan, Campaign Order, Operation Plan, or Operation Order.

STANDARD: To facilitate and integrate EOD support to the DOD, Combatant Commander, MAGTF, DHS, and supporting establishments.

PERFORMANCE STEPS:

1. Review intelligence estimates and ordnance order of battle.
2. Determine mission requirements.
3. Validate resource requirements.
4. Determine resource capacity and capabilities.
5. Identify shortfalls.
6. Identify and assess other component, Joint and/or Combined EOD capabilities and coordinate EOD activities.
7. Coordinate logistical and support requirement/capabilities.
8. Develop Annex C Appendix 13.
9. Assess EOD procedural effectiveness.
10. Advise Commanders.
11. Advise higher/adjacent and subordinate units.
12. Conduct liaison with internal/external agencies.

REFERENCES:

PRIMARY REFERENCES:

1. [MCO 3571.2 Explosive Ordnance Disposal \(EOD\) Program](#)
2. AEODPS 60 Series Automated EOD Publication System
3. [MCWP 5-10 Marine Corps Planning Process](#)
4. [JP 3-42 Joint Explosive Ordnance Disposal](#)
5. [MCO 8027.1 Interservice Responsibilities for Explosive Ordnance Disposal](#)

SUPPLEMENTARY REFERENCES:

1. MCO 3120.12 Global Force Management and Force Synchronization
2. [MCO 3502.7 Force Generation](#)
3. [DOD Directive 5132.03, DOD Policy and Responsibilities Relating to Security Cooperation](#)
4. [JP 3-25 Countering Threat Networks](#)
5. [JP 3-05.1 Joint Special Operations Task Force Operations](#)

CHAINED EVENTS:

INTERNAL SUPPORTING EVENTS:

[2305-INTL-2001: Collate Information](#)
[23XX-ADMN-2102: Provide EOD support to the Marine Corps Planning Process \(MCPP\)](#)

SUPPORT REQUIREMENTS:

EQUIPMENT: Family of EOD equipment with access to a classified (SIPR, CENTRIX, JWICS, StoneGhost etc.) connection.

2305-OPS-2003: Direct Ordnance Exploitation Operations

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: Explosive Ordnance Exploitation operations are conducted for the purposes of field technical evaluation and intelligence, historical preservation, force protection, special programs, training, or in support of Quality Assurance (QA)/Research and Development (R&D). The primary methods for Ordnance Exploitation are disassembly, stripping or inerting. Exploitation procedures will be developed and used throughout the entire operation. These written procedures must be reviewed and approved by a Marine Corps EOD Officer, and be followed, step-by-step, during the actual operation. Deviations from procedures are not authorized unless approved by the Senior EOD technician present. ([MCO 3571.2 EOD Program](#))

MOS PERFORMING: 2305

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

INITIAL TRAINING SETTING: Formal

CONDITION: Given an intelligence requirement, an explosive ordnance item and drafted Exploitation procedures.

STANDARD: Provide completed and approved Exploitation procedures to the EOD element.

PERFORMANCE STEPS:

1. Review intelligence requirements.
2. Receive Ordnance Exploitation Procedures.
3. Ensure procedures satisfy risk reduction requirements.
4. Ensure procedures satisfy intelligence requirements.
5. Ensure procedures are drafted to preserve evidence collection requirements.
6. Approve Exploitation procedures and monitor Operations.

REFERENCES:

PRIMARY REFERENCES:

1. [MCO 3571.2 Explosive Ordnance Disposal \(EOD\) Program](#)

SUPPLEMENTARY REFERENCES:

1. 60A-1-1-7 Field Evaluation and Intelligence
2. [JP 3-42 Joint Explosive Ordnance Disposal](#)
3. [NAVSEA OP 5, VOL 1 Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping](#)

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

- [EOD-C2-6001: Command and Control EOD forces](#)
- [EOD-C2-5001: Command and control an EOD platoon](#)
- [EOD-C2-4001: Manage an EOD section](#)
- [EOD-OPS-4002: Perform explosive ordnance exploitation](#)
- [EOD-ADMN-3001: Develop Exploitation Procedures](#)
- [EOD-INTL-3002: Conduct Technical Exploitation](#)
- [EOD-OPS-3012: Conduct Explosive Ordnance Exploitation](#)

INTERNAL SUPPORTING EVENTS:

[2305-INTL-2001: Collate Information](#)

[23XX-INTL-2102: Conduct explosive ordnance exploitation](#)

SUPPORT REQUIREMENTS:

EQUIPMENT:

UNITS/PERSONNEL:

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CHAPTER 6: MOS 2336 INDIVIDUAL EVENTS

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EOD T&R MANUAL

CHAPTER 6

MOS 2336 INDIVIDUAL EVENTS

6000. PURPOSE

This chapter identifies supervisor and management 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.

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:

| <u>Code</u> | <u>DESCRIPTION</u> |
|-------------|-------------------------------|
| 2336 | Explosive Ordnance Technician |

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

| <u>Code</u> | <u>DESCRIPTION</u> |
|-------------|--------------------|
| ADMN | Administrative |
| 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:

| <u>Code</u> | <u>DESCRIPTION</u> |
|-------------|--------------------|
| 2100 | Supervisor |
| 2200 | Management |

6002. INDEX OF INDIVIDUAL EVENTS

| Event Code | Event |
|--------------------------|---|
| 2000 Level Events | |
| 2336-ADMN-2101 | Supervise Class V |
| 2336-ADMN-2201 | Manage Class V |
| 2336-ADMN-2202 | Manage EOD reporting |
| 2336-ADMN-2203 | Manage personnel administrative readiness |
| 2336-ADMN-2204 | Manage Explosive Ordnance Disposal training program |
| 2336-ADMN-2205 | Manage equipment |
| 2336-OPS-2101 | Supervise EOD response element |
| 2336-OPS-2102 | Supervising Unit Training |

| | |
|---------------|-----------------------|
| 2336-OPS-2201 | Manage EOD operations |
|---------------|-----------------------|

6003. SUPERVISOR EVENTS

2336-ADMN-2101: Supervise Class V

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

READINESS-CODED: NO -

DESCRIPTION: The administration and management of Class V (W) is hazardous in nature requiring stringent internal controls, processes, and procedures for the proper accounting, handling, storage and management of Class V (W) materiel. [MCO 4400.201 Volume 7, Chapter 2 02 MAR 2020](#) (pg. 2-2, para. 0202)

MOS PERFORMING: 2336

GRADES: SGT, SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a mission.

STANDARD: To ensure requirement computation, accountability and proper documentation.

PERFORMANCE STEPS:

1. Conduct mission analysis.
2. Request required ammunition and/or explosives.
3. Conduct proper storage, as required.
4. Conduct proper handling.
5. Conduct proper transportation of ammunition and/or explosives, as required.
6. Conduct proper turn-in and administrative paperwork, as required.
7. Submit reports.

REFERENCES:

PRIMARY REFERENCE:

1. [MCO 4400.201 Management of Property in the Possession of the Marine Corps Volume 7: Ammunition and Explosives](#)

SUPPLEMENTARY REFERENCES:

1. [MCO 8020.10 Marine Corps Explosives Safety Management Program](#)
2. [NAVSEA OP 4 Ammunition Afloat](#)
3. [NAVSEA OP 5, VOL 1 Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping](#)
4. [NAVSEA OP 5 Vol 3 Ammunition and Explosives Safety Ashore for Contingencies, Combat Operations, Military Operations Other Than War, and Associated Training](#)

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

1. [EOD-DEMO-3001: Conduct disposal of explosive ordnance](#)

EOD-OPS-3003: Conduct an EOD Response
2336-OPS-2101: Supervise EOD response element
2336-OPS-2102: Supervise unit training
2336-ADMN-2201: Manage Class V
2336-ADMN-2202: Manage EOD reporting
2305-OPS-2001: Direct operations

INTERNAL SUPPORTING EVENTS:

23XX-DEMO-2001: Initiate a non-electric firing system
23XX-DEMO-2002: Initiate an electric firing system
23XX-DEMO-2003: Employ incendiary devices
23XX-DEMO-2004: Employ a detonating cord system
23XX-DEMO-2005: Employ shaped charges
23XX-DEMO-2006: Dispose of explosives by burning
23XX-DEMO-2007: Conduct propellant burn
23XX-DEMO-2008: Dispose of explosive ordnance by detonation
23XX-DEMO-2101: Employ improvised disruption charges
23XX-DEMO-2102: Employ commercial and/or foreign military explosives
23XX-DEMO-2103: Conduct rocket motor static fire
23XX-TOOL-2006: Employ EOD disruption tools
23XX-TOOL-2003: Employ a remote wrench
23XX-TOOL-2102: Employ a precision fire weapon system

SUPPORT REQUIREMENTS:

EQUIPMENT: Family of EOD equipment.

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: Inclusive of Special Allowance Request, Disposition Requests, Missing Lost Stolen Recovered, Ammunition Malfunction Reporting, Stack Cards, Expenditure Reporting, Explosive Driver Certification, 626 Vehicle Inspection. Notice of Ammunition Reclassification (NAR), Detail Ammunition Report (DAR).

2336-OPS-2101: Supervise EOD response element

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

READINESS-CODED: NO _

DESCRIPTION: All EOD responses incorporate individual and team force protection measures coupled with a required understanding of base-line actions. Additionally, individuals must have an understanding of team roles and responsibilities in order to successfully integrate within tactical level responses from all elements of the MAGTF, sister services, joint forces, and external agencies. EOD personnel are trained and equipped to address. Such an immediate response may include actions in the mitigation, rendering safe, and disposition of suspected or detected presence of UXO, damaged or deteriorated explosives or munitions, an IED, other potentially explosive material or device, or other potentially harmful military chemical munitions or device that creates an actual or potential imminent threat. ([MCO 3571.2H](#), pg. 29)

MOS PERFORMING: 2336

GRADES: SGT, SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

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

STANDARD: To safely employ and integrate EOD personnel and procedures into mission specific responses across the range of military operations. To conduct hasty Operational Risk Management and rapid/continuous communication with on-scene commanders and security elements.

PERFORMANCE STEPS:

1. Conduct Pre-Mission Actions
 - a. Establish individual roles and responsibilities
 - b. Direct team and vehicle load out, as required
 - c. Ensure expendables replenishment
 - d. Ensure Class V (W) is adequate
 - e. Prep Individual tools & equipment
 - f. Prep Team tools & equipment
 - g. Verify load out of individual and vehicle, as required
2. Receipt of requirement, validate requirement, and movement to response.
 - a. Ensure information meets minimum requirements to depart
 - i. Link-up grid
 - ii. Unit designator and contact information
 - iii. Type of response
 - b. Verify Security element
 - c. Establish team location within formation (mounted or dismounted, co-located or dispersed)
 - d. Confirm immediate action requirements
 - e. Confirm unit command and signal
 - f. Depart friendly lines, or safe area if follow-on call
3. Arrive on-scene
 - a. Conduct initial coordination with on-scene commander
 - b. Establish location of threat in comparison to current location
 - c. Receive description of threat from those who located it
 - d. Adjust security and safe area, as required
 - e. Establish initial and downrange Safe Area
4. Conduct mission specific response
5. Conduct post mission, or follow on actions
 - a. Identify resources expended
 - i. Establish if replenishment is required
 - ii. Reset or replace tools and equipment
 - b. Verify team is prepared for future or follow on response
 - c. Develop report
 - d. Submit report

REFERENCES:

PRIMARY REFERENCE:

1. [MCO 3571.2 Explosive Ordnance Disposal \(EOD\) Program](#)
2. AEODPS 60 Series Automated EOD Publication System

SUPPLEMENTARY REFERENCES:

1. [CFR 49 Code of Federal Regulations - Hazardous Materials](#)
2. [DODDIR 3150.5 DOD Response to Improvised Nuclear Device \(IND\) Incidents](#)
3. [DODDIR 3150.8 DOD Response to Radiological Accidents](#)
4. [MCWP 10-10E.8 MULTI-SERVICE TACTICS, TECHNIQUES, AND PROCEDURES FOR CHEMICAL, BIOLOGICAL, RADIOLOGICAL, AND NUCLEAR PASSIVE DEFENSE](#)

5. [MCRP 3-17.7L Explosives and Demolitions](#)
6. [JP 3-40 Countering Weapons of Mass Destruction](#)
7. [NAVSEA OP 5, VOL 1 Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping](#)
8. OP 2239 Motor Vehicle Driver's Handbook, Ammunition, Explosives and related Hazardous Materials
9. [MCWP 5-10 Marine Corps Planning Process](#)

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

[EOD-CBRN-3001: Conduct actions during a Chemical/ Biological incident](#)
[EOD-CBRN-3002: Conduct decontamination of personnel](#)
[EOD-DEMO-3001: Conduct disposal of explosive ordnance](#)
[EOD-INTL-3001: Conduct Post Blast Analysis](#)
[EOD-OPS-3001: Conduct Tactical Site Exploitation](#)
[EOD-OPS-3002: Conduct unexploded explosive ordnance \(UXO\) response operations](#)
[EOD-OPS-3004: Conduct IED response](#)
[EOD-OPS-3005: Conduct Nuclear and Radiological threat response](#)
[EOD-OPS-3006: Conduct conventional explosive ordnance response](#)
[EOD-OPS-3007: Support Explosive Ordnance Disposal \(EOD\) Operations on Nuclear Weapon Accidents/Incidents \(Nwai\)](#)
[EOD-OPS-3008: Respond to an Aircraft Incident](#)
[EOD-OPS-3009: Conduct standoff munitions disruption](#)
[EOD-OPS-3012: Conduct Explosive Ordnance Exploitation](#)
[EOD-OPS-3003: Conduct an EOD Response](#)
[2336-ADMN-2202: Manage EOD reporting](#)
[2336-OPS-2201: Manage EOD operations](#)
[2305-OPS-2001: Direct operations](#)
[2305-INTL-2001: Collate Information](#)

INTERNAL SUPPORTING EVENTS:

[2336-ADMN-2101: Supervise Class V](#)

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17830 Light Demolition Range
Facility Code 17962 MOUT Collective Training Facility (Small)

EQUIPMENT: Family of EOD equipment.

UNITS/PERSONNEL: Corpsman, 8404, 8425, 8427.

2336-OPS-2102: Supervise unit training

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: Marines must be proficient in the basic skills required to perform their jobs under battlefield conditions. To achieve results, all training should be performance-oriented. Individual training occurs on a

continual basis and is fully integrated into collective training. ([MCTP 8-10A](#))

MOS PERFORMING: 2336

GRADES: SSGT, GYSGT, MSGT

INITIAL TRAINING SETTING: FORMAL

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

STANDARD: To ensure training tasks are performed to standard.

PERFORMANCE STEPS:

1. Determine the events to train to.
2. Check the references.
3. Determine required resources.
4. Prepare the required training plan (OPORD / LOI / ORM).
5. Request external support.
6. Prepare the training materials.
7. Conduct required instruction.
8. Evaluate the performance.
9. Remediate as required.
10. Complete and submit reports (MCTIMS / EODIMS).

REFERENCES:

1. [MCO 1553.10 Marine Corps Training Information Management System \(MCTIMS\) Standing Operating Procedures \(SOP\)](#)
2. [MCO 3571.2 Explosive Ordnance Disposal \(EOD\) Program](#)
3. [MCTP 8-10A Unit Training Management Guide](#)
4. [MCTP 8-10B How to Conduct Training](#)

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

[EOD-C2-4001: Manage an EOD section](#)
[2305-ADMN-2004: Direct EOD training program](#)
[2336-ADMN-2201: Manage Class V](#)
[2336-ADMN-2204: Manage Explosive Ordnance Disposal training program](#)

INTERNAL SUPPORTING EVENTS:

[2336-ADMN-2101: Supervise Class V](#)

6004. MANAGEMENT EVENTS

2336-ADMN-2201: Manage Class V

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: The administration and management of Class V(W) is hazardous in nature requiring stringent internal controls, processes, and procedures for the proper accounting, handling, storage and management of Class V(W) materiel. [MCO 4400.201 Volume 7, Chapter 2 02 MAR 2020](#) (pg. 2-2, para. 0202)

MOS PERFORMING: 2336

GRADES: GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a mission.

STANDARD: To ensure ammunition and explosive availability, storage and personnel qualification.

PERFORMANCE STEPS:

1. Verify mission requirement.
2. Verify requisition of required ammunition and/or explosives.
3. Identify personnel requirements/qualifications related to ammunition and/or explosives.
4. Verify proper transportation, handling, and storage of ammunition and/or explosives.
5. Verify documentation.

REFERENCES:

PRIMARY REFERENCE:

1. [MCO 4400.201 Management of Property in the Possession of the Marine Corps Volume 7: Ammunition and Explosives](#)

SUPPLEMENTARY REFERENCES:

1. [MCO 8020.10 Marine Corps Explosives Safety Management Program](#)
2. [NAVSEA OP 4 Ammunition Afloat](#)
3. [NAVSEA OP 5, VOL 1 Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping](#)
4. [NAVSEA OP 5 Vol 3 Ammunition and Explosives Safety Ashore for Contingencies, Combat Operations, Military Operations Other Than War, and Associated Training](#)

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

- [EOD-DEMO-3001: Conduct disposal of explosive ordnance](#)
[EOD-OPS-3003: Conduct an EOD Response](#)
[2336-ADMN-2202: Manage EOD reporting](#)
[2305-OPS-2001: Direct operations](#)
[2305-ADMN-2004: Direct EOD training program](#)

INTERNAL SUPPORTING EVENTS:

- [2336-OPS-2101: Supervise EOD response element](#)
[2336-OPS-2102: Supervise unit training](#)
[2336-ADMN-2101: Supervise Class V](#)

SUPPORT REQUIREMENTS:

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: Inclusive of Detailed Allowance Report, Delegation of Authority, FASP, Worldwide Ammunition Reporting System, NAR/AIN, Explosive Safety Inspection, MMR, Annual Screening.

2336-ADMN-2202: Manage EOD reporting

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

READINESS-CODED: NO —

DESCRIPTION: EOD reporting includes, but is not limited to, EOD IMS reports and required theater specific reports. EOD reporting provides the joint service EOD community with the ability to document EOD operations, view historical incident reports, document EOD training, and share data between services, activities, and agencies. ([MCO 3571.2H](#) pg. 3-13)

MOS PERFORMING: 2336

GRADES: GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given reportable events.

STANDARD: To ensure timely submission of all required information.

PERFORMANCE STEPS:

1. Identify reporting requirements.
2. Identify reporting format.
3. Identify reporting chain.
4. Identify report classification.
5. Verify accuracy.
6. Submit report.
7. Confirm receipt.

REFERENCES:

PRIMARY REFERENCES:

1. EOD IMS User Guide
2. AEODPS 60 Series Automated EOD Publication System

SUPPLEMENTARY REFERENCES:

1. [03-024.3 Explosive Ordnance Disposal \(EOD\) Non-Nuclear Security Classification Guide](#)
2. CG-CB-2 Classification Guide for Chemical/Biological Defense Information
3. [MCO 3571.2 Explosive Ordnance Disposal \(EOD\) Program](#)

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

- [2305-INTL-2001: Collate Information](#)
- [2305-OPS-2001: Direct operations](#)
- [EOD-OPS-3003: Conduct an EOD Response](#)
- [EOD-OPS-3012: Conduct Explosive Ordnance Exploitation](#)

2305-OPS-2003: Direct Ordnance Exploitation Operations
EOD-C2-4001: Manage an EOD section

INTERNAL SUPPORTING EVENTS:

2336-ADMN-2201: Manage Class V
23XX-OPS-2002: Perform evidence collection actions.
23XX-INTL-2001: Conduct reconnaissance on explosive ordnance
23XX-INTL-2101: Perform a post-blast analysis
23XX-INTL-2102: Conduct explosive ordnance exploitation

SUPPORT REQUIREMENTS:

EQUIPMENT: Family of EOD equipment.

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: The EOD Manager should at least complete the following reports: EOD IMS Incident Report, EOD IMS VIPPSA Cost Data, COMREP, Storyboard, list is not all inclusive.

2336-ADMN-2203: Manage personnel administrative readiness

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

READINESS-CODED: NO -

DESCRIPTION: Marine Leaders, relying on timeless principals of good leadership develop Marines in order to sustain the transformation, help them achieve their full potential, and prepare them for long-term personal and professional success. [MCO 1500.61, para 3](#). This event includes effective administrative management of EOD Personnel in accordance with applicable orders, directives, and commander's guidance. All EOD personnel will be annually screened for continued service in the EOD MOS using NAVMC 11362. [MCO 3571.2H. CH 2, para 5](#) Personnel requesting lateral move into MOS 2336 will be screened utilizing NAVMC 11361. [MCO 3571.2H. CH 2, para 4](#)

MOS PERFORMING: 2336

GRADES: GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given personnel.

STANDARD: To ensure administrative readiness enabling support across the range of military operations.

PERFORMANCE STEPS:

1. Advise on billet functions and assignments.
2. Monitor and facilitate counseling/mentorship program.
3. Monitor and facilitate career progression program.
4. Monitor and facilitate annual screening and qualification program.
5. Conduct EOD Lateral Move screenings and provide recommendations.
6. Provide input for performance evaluations.

REFERENCES:

PRIMARY REFERENCES:

1. [MCO 3571.2 Explosive Ordnance Disposal \(EOD\) Program](#)

SUPPLEMENTARY REFERENCES:

1. [MCO P1610.7 Performance Evaluation System \(PES\)](#)
2. [SECNAV M-5210.1 Department of the Navy Records Management Manual](#)
3. [SECNAVINST 5211.5 Department of the Navy \(DON\) Privacy Program](#)

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

- [EOD-C2-4001: Manage an EOD section](#)
[2305-ADMN-2002: Direct unit administrative readiness](#)
[2305-ADMN-2007: Direct EOD Personnel Readiness](#)

2336-ADMN-2204: Manage Explosive Ordnance Disposal training program

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

READINESS-CODED: NO

DESCRIPTION: Training is a professional and moral imperative. It is the Marine Corps' responsibility to ensure that both regular and reserve components are properly trained. Training encompasses the full range of duties, responsibilities, and missions of Marines, and it must be embedded in all that Marines do. ([MCTP 8-10A](#) p. 1-1)

MOS PERFORMING: 2336

GRADES: GYSGT, MSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a unit, personnel, table of organization mission statement, and a training plan.

STANDARD: To ensure unit readiness.

PERFORMANCE STEPS:

1. Assess EOD unit base line skill sets.
2. Implement training plan.
3. Requisition training resources.
4. Evaluate training.
5. Report training results.

REFERENCES:

PRIMARY REFERENCES:

1. [MCO 3571.2 Explosive Ordnance Disposal \(EOD\) Program](#)
2. [MCTP 8-10A Unit Training Management Guide](#)

SUPPLEMENTARY REFERENCES:

1. MCBul 1500 Annual Training and Education Requirements

2. [MCO 1553.10 Marine Corps Training Information Management System \(MCTIMS\) Standing Operating Procedures \(SOP\)](#)
3. [MCTP 8-10B How to Conduct Training](#)
4. T/O&E Table of Organization and Equipment

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

[EOD-C2-4001: Manage an EOD section](#)
[2305-ADMN-2004: Direct EOD training program](#)
[2336-ADMN-2201: Manage Class V](#)

INTERNAL SUPPORTING EVENTS:

[2336-OPS-2102: Supervise unit training](#)
[2336-ADMN-2101: Supervise Class V](#)

SUPPORT REQUIREMENTS:

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This event encompasses the utilization of but not limited to the following items: letters of instruction, budget prioritization and concurrence, operations order review and approval, administrative reporting, DRRS, MCTIMS Entry, EOD IMS.

2336-ADMN-2205: Manage equipment

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: This event encompasses the accountability and readiness of Marine Corps equipment held by the EOD unit. All EOD tools and equipment shall be maintained in a high state of readiness and repair to facilitate emergency response operations. This state includes, at minimum, quarterly inventories, current calibrations, replacement of broken or lost items, accurate property accounting, and up to date readiness reporting in GCSS-MC. [MCO 3571.2](#)

MOS PERFORMING: 2336

GRADES: SSGT, GYSGT, MSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given the family of EOD equipment, Consolidated Memorandum Receipt, TO&E, personnel, supply requirements, and AIS.

STANDARD: To ensure equipment accountability, readiness and proper documentation.

PERFORMANCE STEPS:

1. Manage maintenance administration.
2. Manage records and reports.
3. Manage publications control.

4. Manage maintenance operations.
5. Manage supply support.
6. Manage maintenance related programs.
 - a. Conduct inventories as required.
7. Monitor unit equipment readiness.
8. Monitor the maintenance automated information systems.

REFERENCES:

1. GCSS-MC Guide Global Combat Support System-Marine Corps Guide
2. [MCO 3571.2 Explosive Ordnance Disposal \(EOD\) Program](#)
3. [MCO 4400.150 Consumer-Level Supply Policy](#)
4. [MCO 4400.201 Management of Property in the Possession of the Marine Corps](#)

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

[EOD-C2-4001: Manage an EOD section](#)
[2305-ADMN-2006: Direct Equipment Readiness](#)

2336-OPS-2201: Manage EOD operations

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

READINESS-CODED: NO

DESCRIPTION: Managing EOD operations include, but are not limited to: Deliberate planning, R2P2, and to provide EOD support to supporting establishments.

MOS PERFORMING: 2336

GRADES: GYSGT, MSGT, And MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a mission, full operations/base order, and tactical SOP.

STANDARD: To fulfill mission requirements as tasked.

PERFORMANCE STEPS:

1. Conduct mission analysis.
2. Determine mission requirements.
3. Confirm resource availability.
4. Coordinate logistical requirements.
5. Develop an estimate of support.
6. Evaluate employment plan.
7. Exercise mission plan.
8. Advise higher/adjacent/supporting units.
9. Manage EOD reports.

REFERENCES:

PRIMARY REFERENCES:

1. [MCO 3571.2 Explosive Ordnance Disposal \(EOD\) Program](#)
2. [NAVSEA OP 5, VOL 1 Ammunition and Explosives Ashore Safety Regulations for](#)

Handling, Storing, Production, Renovation and Shipping

SUPPLEMENTARY REFERENCES:

1. MCWP 5-10 Marine Corps Planning Process
2. DOD Manual 4715.26 DOD Military Munitions Rule

CHAINED EVENTS:

INTERNAL SUPPORTED EVENTS:

- EOD-C2-4001: Manage an EOD section
- EOD-OPS-4002: Perform explosive ordnance exploitation
- EOD-OPS-4003: Conduct surface area clearance
- EOD-OPS-4004: Conduct-site exploitation
- EOD-OPS-4005: Conduct unexploded ordnance (UXO) response operations
- EOD-OPS-4007: Conduct C-IED operations
- EOD-OPS-4008: Conduct WMD operations
- EOD-OPS-4009: Conduct conventional explosive ordnance operations
- EOD-OPS-4010: Conduct Explosive Ordnance Disposal (EOD) Operations on
Weapon Accidents/Incidents
- EOD-OPS-4011: Respond to an Aircraft Incident
- 2305-OPS-2001: Direct operations
- 2305-INTL-2001: Collate Information

INTERNAL SUPPORTING EVENTS:

- 2336-ADMN-2202: Manage EOD reporting
- 2336-ADMN-2201: Manage Class V

SUPPORT REQUIREMENTS:

EQUIPMENT: Family of EOD Equipment

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CHAPTER 7: METHODS OF ENTRY EVENTS

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EOD T&R MANUAL

CHAPTER 7

METHODS OF ENTRY EVENTS

7000. PURPOSE

This chapter details the Method of Entry Supervisor events that pertains to personnel within the EOD community. 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.

7001. EVENT CODING

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

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

| <u>Code</u> | <u>DESCRIPTION</u> |
|-------------|-----------------------------|
| MOES | Methods of Entry Supervisor |

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

| <u>Code</u> | <u>DESCRIPTION</u> |
|-------------|---|
| ADMN | Administrative |
| CBRN | Chemical, Biological, Radiological, Nuclear |
| DEMO | Demolition |
| IED | Improvised Explosive Device |
| INTL | Intelligence |
| MED | Medical |
| MOES | Methods of Entry Technician |
| 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:

| <u>Code</u> | <u>DESCRIPTION</u> |
|-------------|--------------------|
| 2000 | Core Plus Skills |

7002. INDEX OF INDIVIDUAL EVENTS

| Event Code | E-Coded | Event |
|-------------------|----------------|--|
| MOE-TECH-2001 | NO | Plan a method(s) of entry operation |
| MOE-TECH-2002 | NO | Prepare for a method(s) of entry operation |
| MOE-TECH-2003 | NO | Conduct explosive methods of entry |
| MOE-TECH-2004 | NO | Conduct mechanical methods of entry |

| | | |
|---------------|----|--|
| MOE-TECH-2005 | NO | Conduct ballistic methods of entry |
| MOE-TECH-2006 | NO | Conduct thermal methods of entry |
| MOE-TECH-2007 | NO | Conduct manual methods of entry |
| MOE-TECH-2008 | NO | Conduct explosive methods of entry (NIGHT) |
| MOE-TECH-2401 | NO | Supervise planning of a method(s) of entry operation |
| MOE-TECH-2402 | NO | Supervise preparing for a method(s) of entry operation |
| MOE-TECH-2403 | NO | Conduct advanced methods of entry techniques |

7003. METHODS OF ENTRY TECHNICIAN

MOE-TECH-2001: Plan a method(s) of entry operation

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

READINESS-CODED: NO -

DESCRIPTION: Upon receipt of a Warning Order, the MOE Tech is expected to use pertinent intelligence in order to plan for the use of Method(s) of Entry techniques in support of an assigned mission.

MOS PERFORMING: 0307, 0321, 0372, 2305, 2336, 5816, 8071, 8152, 8154

BILLETS: Methods of Entry Technician

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a mission and mission critical intelligence.

STANDARD: To support the scheme of maneuver and satisfy the commander's intent.

PERFORMANCE STEPS:

1. Determine mission requirements.
2. Conduct target analysis.
3. Identify hazards.
4. Determine the method of entry to be used.
5. Determine the tools/equipment/Class V materials required to support Method of Entry.

REFERENCES:

PRIMARY REFERENCE:

1. Methods of Entry Breacher's Log Book

SUPPLEMENTARY REFERENCES:

1. GAET Guidebook for Assault Entry Techniques, Volume I and II
2. MCDP-1 Warfighting
3. MCO 3502.3 Marine Expeditionary Unit (Special Operations Capable)
4. [MCO 3571.2 Explosive Ordnance Disposal \(EOD\) Program](#)
5. MCO 5500.6_ Arming of Security and Law Enforcement (LE) Personnel and the Use of Force

6. MCO 5580.2_ Law Enforcement Manual
7. SWO 60-AA-MMA-010 Demolition Materials

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: Manual, mechanical and thermal elements of this T&R event may be performed by all personnel under the direct supervision of a current MOE Technician. Marines performing explosive and/or ballistic elements must be current Methods of Entry Technicians.

SPECIAL PERSONNEL CERTS: M02M729: METHODS OF ENTRY "MOEC"

MOE-TECH-2002: Prepare for a method(s) of entry operation

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

READINESS-CODED: NO

DESCRIPTION: This event encompasses all preparations that must be accomplished in order to complete the assigned mission. The Methods of Entry Technician will be expected to prepare manual, mechanical, ballistic, thermal equipment, explosive charges and priming systems, while identifying required personnel.

MOS PERFORMING: 0307, 0321, 0372, 2305, 2336, 5816, 8071, 8152, 8154

BILLETS: Methods of Entry Technician

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a mission and mission critical intelligence, equipment, Class V (w), and the references.

STANDARD: To ensure the assault team is prepared to execute the mission across the Range of Military Operations (ROMO).

PERFORMANCE STEPS:

1. Collect tools/equipment/Class V (w) materials (as required).
2. Construct charges (as required).
3. Construct priming systems (as required).
4. Prepare manual equipment (as required).
5. Prepare mechanical equipment (as required).
6. Prepare ballistic equipment (as required).
7. Prepare thermal equipment (as required).
8. Conduct a Method of Entry brief.
9. Conduct rehearsals.
10. Conduct inspections.

REFERENCES:

PRIMARY REFERENCE:

1. Methods of Entry Breacher's Log Book

SUPPLEMENTARY REFERENCES:

1. Mechanical Tool Operating Instructions manual
2. SWO 60-AA-MMA-010 Demolition Materials
3. TCTK - 2006 Tactical Cutting Torch Kits Operating Instructions Manual (July 2006)
4. TM 10003A/07172A/09081A-13&P Remington and Mossberg Shotgun Operators Manual
5. 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).

MATERIAL: Breacher's Logbook, tape (Rigger's, Electrical, double-sided), Knife, Detonation Cord Connectors, Scientific Calculator, E-Silhouette targets, non-Metallic Prop Stick, Goodyear 330B Rubber, 1000 ml IV bags, 550 Cord, spray adhesive, Explosive Transfer Medium (ETM), Breacher's Paste or grease.

UNITS/PERSONNEL: Corpsman 8404, 8425, 8427.

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS:

Class V (w) for this event will be obtained from MOES-TECH-2004 Conduct explosive Methods of Entry.

Manual, mechanical and thermal elements of this T&R event may be performed by all personnel under the direct supervision of a current MOE Technician. Marines performing explosive and/or ballistic elements must be current Methods of Entry Technicians.

SPECIAL PERSONNEL CERTS: Marines conducting this event must be qualified and certified as a Methods of Entry Breacher. M02M729: METHODS OF ENTRY "MOEC"

MOE-TECH-2003: Conduct explosive methods of entry

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: This event encompasses the MOE TECH's actions in the Last Covered and Concealed (LCC) position, actions on the objective, and actions immediately following conclusion of the assault. The MOE TECH will utilize explosive charges to complete the assigned mission, and will record charge data within the charge report upon mission completion.

MOS PERFORMING: 0307, 0321, 0372, 2305, 2336, 5816, 8071, 8152, 8154

BILLETS: Methods of Entry Technician

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a mission, mission critical intelligence, target and charge.

STANDARD: To allow unobstructed entry of the assault team across the Range of Military Operations (ROMO) 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.

REFERENCES:

PRIMARY REFERNECE:

1. TM 3-34.82 Explosives and Demolitions

SUPPLEMENTARY REFERENCES:

1. GAET Guidebook for Assault Entry Techniques, Volume I and II
2. NAVSEA SW060-AA-MMA-010 Volume 1 Technical Manual Demolition Materials
3. SL-3 09687B Marine Assault Breacher Kit
4. SWO 60-AA-MMA-010 Demolition Materials

SUPPORT REQUIREMENTS:

ORDNANCE:

| <u>DODIC</u> | <u>QUANTITY</u> |
|---|------------------------|
| AX14 Primer, Percussion 12 Gauge W209 | 20 per Marine |
| M023 Charge, Demolition Block M112 1-1/4 pound C-4 | 5 per Marine |
| M130 Cap, Blasting Electric M6 4 per Marine | |
| M456 Cord, Detonating PETN Type I Class E | 100 FT per Marine |
| M980 Charge, Demolition Sheet 0.0831 Inch Thick | 3 FT per Marine |
| M981 Charge, Demolition Sheet 0.125 Inch Thick | 3 FT per Marine |
| M982 Charge, Demolition Sheet 0.166 Inch Thick | 7 FT per Marine |
| M986 Charge, Demolition Sheet 0.333 Inch Thick | 9 FT per Marine |
| MM30 Charge, Flexible 20 Gram PETN MK140 Mod 0 | 10 per Marine |
| MM44 Charge, Demolition Flexible Linear Shaped 75 Grains per ft | 3 per Marine |
| MM45 Charge, Demolition Flexible Linear Shaped 125 Grains/Foot | 3 per Marine |
| MM46 Charge, Demolition Flexible Linear Shaped 225 Grains/Foot | 3 per Marine |
| MM47 Charge, Demolition Flexible Linear Shaped 400 Grains/Foot | 3 per Marine |
| MM51 Charge, Demolition Low Hazard MK143 Mod 0 600 Grains/ft | 15 FT per Marine |
| MM52 Charge, Demolition Low Hazard MK143 Mod 0 1200 Grains/ft | 12 FT per Marine |
| MM54 Charge, Demolition Low Hazard MK143 Mod 0 5400 Grains/ft | 12 FT per Marine |
| MN08 Igniter, Time Blasting Fuse with Shock Tube Capability M81 | 20 per Marine |
| MN52 Detonator, Percussion, Non-Electric MK154 Mod 0 | 15 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).

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

UNITS/PERSONNEL: Corpsman 8404, 8425, 8427.

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: Commanders will ensure that Marines using Flex Linear Shape Charge (FLSC) during the performance of this event are in compliance with NAVMC Directive 5100.8: MARINE CORPS OCCUPATIONAL SAFETY AND HEALTH (OSH) PROGRAM MANUAL; Chapter 16. Marines conducting this event must be current Methods of Entry Technicians.

SPECIAL PERSONNEL CERTS: M02M729: METHODS OF ENTRY "MOEC"

MOE-TECH-2004: Conduct mechanical methods of entry

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: This event encompasses the Methods of Entry Technician actions in the Last Covered and Concealed (LCC) position, actions on the objective, and actions immediately following conclusion of the assault. The Methods of Entry Technician is expected to use an approved mechanical and/or hydraulic tool.

MOS PERFORMING: 0307, 0321, 0372, 2305, 2336, 5816, 8071, 8152, 8154

BILLETS: Methods of Entry Technician

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a mission and mission critical intelligence, mechanical and/or hydraulic equipment, and target.

STANDARD: To allow unobstructed entry of the assault team across the Range of Military Operations (ROMO) while minimizing collateral damage and hazards to personnel.

PERFORMANCE STEPS:

1. Conduct pre-employment checks of mechanical and hydraulic equipment.
2. Employ mechanical or hydraulic equipment.
3. Conduct post-assault actions.

REFERENCES:

1. Methods of Entry Breacher's Log Book
2. Mechanical and/or Hydraulic 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).

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] 89 Octane fuel, 2 stroke engine oil, 14 and 16 inch Broco diamond blades.

UNITS/PERSONNEL: Corpsman, 8404, 8425, 8427.

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This T&R event may be performed by all personnel under the direct supervision of a current MOE Technician.

SPECIAL PERSONNEL CERTS: M02M729: METHODS OF ENTRY "MOEC"

MOE-TECH-2005: Conduct ballistic methods of entry

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: This event encompasses the Methods of Entry Technician actions in the Last Covered and Concealed (LCC) position, actions on the objective, and actions immediately following conclusion of the assault. The Methods of Entry Technician is expected to use the Mossberg model 590, Remington model 870, or Benelli M1014.

MOS PERFORMING: 0307, 0321, 0372, 2305, 2336, 5816, 8071, 8152, 8154

BILLETS: Methods of Entry Technician

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a mission and mission critical intelligence, shotgun and target.

STANDARD: To allow unobstructed entry of the assault team across the Range of Military Operations (ROMO) 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:

PRIMARY REFERNECES:

1. Methods of Entry Breacher's Log Book

SUPPLEMENTARY REFERENCES:

1. SL-3 09687B Marine Assault Breacher Kit
2. TM 10003A/07172A/09081A-13&P Remington and Mossberg Shotgun Operators Manual
3. TM 10698A-10/1 M1014A Operators Manual

SUPPORT REQUIREMENTS:

ORDNANCE:

DODIC

AA54 Cartridge, 12 Gauge, Breaching, M1030

QUANTITY

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), and Modular Enhancement Kit.

MATERIAL: Doors (wood or metal), door knobs, deadbolts, and hinges, plywood, 1X2 wood Strips.

UNITS/PERSONNEL: Corpsman 8404, 8425, 8427.

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: Marines conducting this event must be current Methods of Entry Technicians.

SPECIAL PERSONNEL CERTS: M02M729: METHODS OF ENTRY "MOEC"

MOE-TECH-2006: Conduct thermal methods of entry

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: This event encompasses the MOE TECH's actions in the Last Covered and Concealed (LCC) position, actions on the objective, and actions immediately following conclusion of the assault. The MOE TECH is expected to use an approved exothermic cutting torch to accomplish this task.

MOS PERFORMING: 0307, 0321, 0372, 2305, 2336, 5816, 8071, 8152, 8154

BILLETS: Methods of Entry Technician

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a mission and mission critical intelligence, cutting torch, and target.

STANDARD: To allow unobstructed entry of the assault team across the Range of Military Operations (ROMO) 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:

PRIMARY REFERENCE:

1. Methods of Entry Breacher's Log Book

SUPPLEMENTARY REFERENCE:

1. SL-3 Marine Assault Breacher Kit (NSN 4240-01-531-1165)
2. TACMOD 1 Torch Manual (June 2011)

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17830 Light Demolition Range

EQUIPMENT: Marine Assault Breacher's Kit (MABK) (NSN: 4240-01-531-1165), and Personal Protective Equipment (PPE).

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: Corpsman 8404, 8425, 8427.

MISCELLANEOUS:

SPECIAL PERSONNEL CERTS: This T&R event may be performed by all personnel under the direct supervision of a current MOE Technician.

MOE-TECH-2007: Conduct manual methods of entry

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: This event encompasses the Methods of Entry Technician actions in the Last Covered and Concealed (LCC) position, actions on the objective, and actions immediately following conclusion of the assault. The Methods of Entry Technician is expected to use an approved cut off saw.

MOS PERFORMING: 0307, 0321, 0372, 2305, 2336, 5816, 8071, 8152, 8154

BILLETS: Methods of Entry Technician

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a mission and mission critical intelligence, mechanical equipment, and target.

STANDARD: To allow unobstructed entry of the assault team across the Range of Military Operations (ROMO) 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. Methods of Entry Breacher's Log Book
2. SL-3 Marine Assault Breacher Kit (NSN 4240-01-531-1165)

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17830 Light Demolition Range

EQUIPMENT: Marine Assault Breacher's Kit (MABK) (NSN: 4240-01-531-1165) and Personal Protective Equipment (PPE).

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

UNITS/PERSONNEL: Corpsman 8404, 8425, 8427.

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: Re-breachable door and window trainers are a cost effective and suitable substitute for actual target material in a training environment. This T&R event may be performed by all personnel under the direct supervision of a current MOE Technician.

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

MOE-TECH-2008: Conduct explosive methods of entry (NIGHT)

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

READINESS-CODED: NO -

DESCRIPTION: This event encompasses the MOE TECH's actions in the Last Covered and Concealed (LCC) position, actions on the objective, and actions immediately following conclusion of the assault. The MOE TECH will utilize explosive charges to complete the assigned mission, and will record charge data within the charge report upon mission completion.

MOS PERFORMING: 0307, 0321, 0372, 2305, 2336, 5816, 8071, 8152, 8154

BILLETS: Methods of Entry Technician

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a mission, mission critical intelligence, Night Optics Device (NOD), charge, and target, and utilizing NODs in a no-light environment.

STANDARD: To allow unobstructed entry of the assault team across the Range of Military Operations (ROMO) 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.

REFERENCES:

PRIMARY REFERENCE:

1. TM 3-34.82 Explosives and Demolitions

SUPPLEMENTARY REFERENCES:

1. GAET Guidebook for Assault Entry Techniques, Volume I and II
2. NAVSEA SW060-AA-MMA-010 Volume 1 Technical Manual Demolition Materials
3. SL-3 09687B Marine Assault Breacher Kit
4. SWO 60-AA-MMA-010 Demolition Materials

SUPPORT REQUIREMENTS:

ORDNANCE:

| <u>DODIC</u> | <u>QUANTITY</u> |
|--|------------------------|
| AX14 Primer, Percussion 12 Gauge W209 | 20 per Marine |
| M023 Charge, Demolition Block M112 1-1/4 pound C-4 | 10 per Marine |
| M130 Cap, Blasting Electric M6 | 4 per Marine |
| M456 Cord, Detonating PETN Type I Class E | 100 FT per Marine |
| M980 Charge, Demolition Sheet 0.0831 Inch Thick | 3 FT per Marine |
| M981 Charge, Demolition Sheet 0.125 Inch Thick | 3 FT per Marine |
| M982 Charge, Demolition Sheet 0.166 Inch Thick | 7 FT per Marine |
| M986 Charge, Demolition Sheet 0.333 Inch Thick | 9 FT per Marine |

| | |
|---|------------------|
| MM30 Charge, Flexible 20 Gram PETN MK140 Mod 0 | 10 per Marine |
| MM44 Charge, Demolition Flexible Linear Shaped 75 Grains per ft | 3 per Marine |
| MM45 Charge, Demolition Flexible Linear Shaped 125 Grains/Foot | 3 per Marine |
| MM46 Charge, Demolition Flexible Linear Shaped 225 Grains/Foot | 3 per Marine |
| MM47 Charge, Demolition Flexible Linear Shaped 400 Grains/Foot | 3 per Marine |
| MM51 Charge, Demolition Low Hazard MK143 Mod 0 600 Grains/ft | 15 FT per Marine |
| MM52 Charge, Demolition Low Hazard MK143 Mod 0 1200 Grains/ft | 12 FT per Marine |
| MM54 Charge, Demolition Low Hazard MK143 Mod 0 5400 Grains/ft | 12 FT per Marine |
| MN08 Igniter, Time Blasting Fuse with Shock Tube Capability M81 | 20 per Marine |
| MN52 Detonator, Percussion, Non-Electric MK154 Mod 0 | 15 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).

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

UNITS/PERSONNEL: Corpsman 8404, 8425, 8427.

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: Commanders will ensure that Marines using Flex Linear Shape Charge (FLSC) during the performance of this event are in compliance with NAVMC Directive 5100.8: MARINE CORPS OCCUPATIONAL SAFETY AND HEALTH (OSH) PROGRAM MANUAL; Chapter 16. Marines conducting this event must be current Methods of Entry Technicians.

SPECIAL PERSONNEL CERTS: M02M729: METHODS OF ENTRY "MOEC"

7004. SUPERVISOR

MOE-TECH-2401: Supervise planning of a method(s) of entry operation

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

READINESS-CODED: NO

DESCRIPTION: This task exists to ensure the methods of entry elements train and operate safely. The unit leader will supervise mission planning and preparation and the execution of explosive, mechanical, ballistic, thermal, and manual Methods of Entry techniques within the element during operations, both day and night.

MOS PERFORMING: 0307, 0321, 2305, 2336

BILLETS: Methods of Entry Technician

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a mission and mission critical intelligence, commander's intent, a methods of entry element, and required equipment.

STANDARD: To ensure that the methods of entry element can properly plan for and support the scheme of maneuver and satisfy the commander's intent.

PERFORMANCE STEPS:

1. Determine mission requirements.
2. Confirm target analysis.
3. Ensure hazards are identified.
4. Approve the Method(s) of Entry to be used.
5. Approve the tools/equipment/Class V materials required to support Method(s) of Entry.

REFERENCES:

1. DoDM S-5210.41M Nuclear Weapon Security Manual
2. GAET Guidebook for Assault Entry Techniques, Volume I and II
3. MCDP-1 Warfighting
4. MCO 3502.3 Marine Expeditionary Unit (Special Operations Capable)
5. MCRP 3-40D.12 Construction Estimating
6. [MCO 3571.2 Explosive Ordnance Disposal \(EOD\) Program](#)
7. SWO 60-AA-MMA-010 Demolition Materials

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: Supervisors conducting this event must be graduates of the Methods of Entry School, current and appointed by the Commanding Officer, in writing, as a unit MOE Master Breacher.

SPECIAL PERSONNEL CERTS: M02M729: METHODS OF ENTRY "MOEC"

MOE-TECH-2402: Supervise preparing for a method(s) of entry operation

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

READINESS-CODED: NO -

DESCRIPTION: This task exists to ensure the breaching elements, methods of entry element train and operate safely. The unit leader will supervise mission planning and preparation and the execution explosive, mechanical, ballistic, thermal, and manual Methods of Entry techniques within the element during operations, both day and night.

MOS PERFORMING: 0307, 0321, 2305, 2336

BILLETS: Methods of Entry Technician

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

1STLT, CAPT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a mission and mission critical intelligence, commander's intent, a breaching methods of entry element, and required equipment.

STANDARD: To ensure that the breaching methods of entry element can properly prepare to support the scheme of maneuver and satisfy the commander's intent.

PERFORMANCE STEPS:

1. Verify the preparation of methods of entry equipment.
2. Validate construction of charges and priming systems (as required).
3. Validate pre-operations checks and inspections.

REFERENCES:

1. MCRP 3-34.2 Explosives and Demolitions
2. GAET Guidebook for Assault Entry Techniques, Volume I and II
3. [NAVSEA OP 5, VOL 1 Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping](#)
4. NAVSEA SW060-AA-MMA-010 Volume 1 Technical Manual Demolition Materials
5. SL-3 09687B Marine Assault Breacher Kit
6. Mechanical/Hydraulic Tool operators manual
7. SWO 60-AA-MMA-010 Demolition Materials
8. TCTK - 2006 Tactical Cutting Torch Kits Operating Instructions Manual (July 2006)
9. TM 10003A/07172A/09081A-13&P Remington and Mossberg Shotgun Operators Manual
10. TM 10698A-23B&P/2 M1014 Shotgun Maintenance Manual

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17311 Range Support Building
Facility Code 17830 Light Demolition Range

EQUIPMENT: Family of EOD equipment. Marine Assault Breacher's Kit (MABK) (NSN: 4240-01-531-1165), Personal Protective Equipment (PPE), Shotgun (Mossberg Model 500, Remington 870, or Benelli 1014).

MATERIAL: Breacher's Logbook, tape (Rigger's, Electrical, double-sided), Knife, Detonation Cord Connectors, Scientific Calculator, E-Silhouette targets, non-Metallic Prop Stick, Goodyear 330B Rubber, 1000 ml IV bags, 550 Cord, spray adhesive, Explosive Transfer Medium (ETM), Breacher's Paste or grease.

UNITS/PERSONNEL: Corpsman 8404, 8425, 8427.

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS:

Supervisors conducting this event must be graduates of the Methods of Entry School, current and appointed by the Commanding Officer, in writing, as a unit MOE Master Breacher.

MOE-TECH-2403: Conduct advanced methods of entry techniques

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

DESCRIPTION: This task exists to ensure methods of entry elements operate safely. The unit leader will supervise mission planning and preparation and the execution of advanced explosive, mechanical, ballistic, thermal, and manual Methods of Entry techniques within the element during operations, both day and night. This event encompasses advanced entry techniques which are required for high security, hardened, or Non-Standard target.

MOS PERFORMING: 0307, 0321, 2305, 2336, 8152, 8154, 0372

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a mission and mission critical intelligence, commander's intent, a methods of entry element and required equipment.

STANDARD: To allow unobstructed entry of the assault team across the Range of Military Operations (ROMO) while minimizing collateral damage and hazards to personnel.

PERFORMANCE STEPS:

1. Assess target intelligence.
2. Determine methods of entry.
3. Prepare methods of entry.
4. Conduct methods of entry.
5. Conduct post assault actions.
6. Complete reports.

REFERENCES:

PRIMARY REFERENCES:

1. Methods of Entry Breacher's Log Book

SUPPLEMENTARY REFERENCES:

1. MCRP 3-34.2 Explosives and Demolitions
2. GAET Guidebook for Assault Entry Techniques, Volume I and II
3. [NAVSEA OP 5, VOL 1 Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping](#)
4. [MCO 3571.2 Explosive Ordnance Disposal \(EOD\) Program](#)
5. SL-3 09687B Marine Assault Breacher Kit
6. SWO 60-AA-MMA-010 Demolition Materials

SUPPORT REQUIREMENTS:

ORDNANCE:

DODIC

AX14 Primer, Percussion 12 Gauge W209
M023 Charge, Demolition Block M112 1-1/4 pound C-4
M130 Cap, Blasting Electric M6

QUANTITY

20 per Marine
10 per Marine
4 per Marine

| | |
|---|-------------------|
| M456 Cord, Detonating PETN Type I Class E | 100 FT per Marine |
| M980 Charge, Demolition Sheet 0.0831 Inch Thick | 3 FT per Marine |
| MM54 Charge, Demolition Low Hazard MK143 Mod 0 5400 Grains/ft | 12 FT per Marine |
| MM30 Charge, DEMO FLEX LIN SHPD MK149-0 5400 Grains/ft | 5 per Marine |
| MN90 Cap, Blast Non-elec w/1000 FT Mini-tube M23 | 5 per Marine |

RANGE/TRAINING AREA:

Facility Code 17311 Range Support Building
Facility Code 17830 Light Demolition Range

EQUIPMENT: Family of EOD equipment. Marine Assault Breacher's Kit (MABK) (NSN: 4240-01-531-1165), Personal Protective Equipment (PPE), Shotgun (Mossberg Model 500, Remington 870, or Benelli 1014).

MATERIAL: Breacher's Logbook, Local unit mission specific target material [i.e.: doors (wood or metal), door knobs, windows (double hung, plate, or casement), fences, roofs, masonry (mud brick, block, rebar-reinforced block, and solid concrete walls), domestic residence walls, and shipboard hull/bulkhead/hatches], Tape (Rigger's, Electrical, double-sided), Knife, Detonation Cord Connectors, Scientific Calculator, E-Silhouette targets, non-Metallic Prop Stick, Goodyear 330B Rubber, 1000 ml IV bags, 550 Cord, spray adhesive, Explosive Transfer Medium (ETM), Breacher's Paste or grease. Non-Standard hardened, high security target, 1/2 torch rods, Cylindrical Dynamic Access Tools (CDAT), Dioplex charge containers, and holmatro or approved hydraulic tool.

UNITS/PERSONNEL: Corpsman 8404, 8425, 8427

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: Commanders will ensure that Marines using Flex Linear Shape Charge (FLSC) during the performance of this event are in compliance with NAVMC Directive 5100.8: Marine Corps Occupational Safety And Health (OSH) Program Manual; Chapter 16. Supervisors conducting this event must be graduates of the Methods of Entry School (Basic and Master), current and appointed by the Commanding Officer, in writing, as a unit MOE Master Breacher.

EOD T&R MANUAL

APPENDIX A: ACRONYMS

AAV - amphibious assault vehicle
ACP - automated commissioning package
ACT - accuracy completeness time sequence
ACTS - Assignment, Classification, and Travel Systems
AIRS - Automated Inspection Reporting System
AO - area of operations
APTS - advanced presentation and training skills
AR - Active Reserve
ASTB-E - Aviation Selection Test Battery Series-E
AT4C - advanced tool for coaching
BIC - billet information code
CAPT - Captain
CAR - commander's attainment report
CBRN - chemical, biological, radiological, and nuclear
CBT - computer-based training
CG - commanding general
CMC - Commandant of the Marine Corps
CMR - consolidated memorandum receipt
CO - commanding officer
COA - course of action
CONPLAN - contingency plan
CONUS - continental United States
COT - consecutive overseas tours
CPL - Corporal
CRP - combat readiness percentage; command recruiting program
CSR - consolidated strength report
CWO - chief warrant officer
DEP - delayed entry program
DL - distance learning
DOD - Department of Defense
DoDFMR - Department of Defense Financial Management Regulation
DON - Department of the Navy
DRRS - Defense Readiness Reporting System
EAD - extended active duty
ECFC - enlisted career force controls
ECS - effective communication skills
EFMP - Exceptional Family Member Program
ENLPROM - enlisted promotions
EPM - enlistment processing manual
1STLT - First Lieutenant
FAI - functional area inspection
FLC - formal learning center
FMF - fleet Marine force
FY - fiscal year
GOV - government owned vehicle
GSA - Government Services Administration
GYSGT - Gunnery Sergeant
HOTAS - hands-on throttle and stick
HQMC - Headquarters, Marine Corps
IAW - in accordance with
IGMC - Inspector General of the Marine Corps

IIADT - incremental initial active duty training
IMI - individual multimedia instruction
IPOCT - in place consecutive overseas tours
IRAM - Individual Records Administration Manual
IRR - Individual Ready Reserve
IRT - Itinerant Recruiting Trip
JPIC - Joint Package Inspection Checklist
LATMOV - lateral move
LCPL - Lance Corporal
LDO - limited duty officer; line of duty
LOI - letter of instruction
LSL - lump sum leave
MAJ - Major
MARADMIN - Marine Administrative Message
MARCORPROMMAN - Marine Corps Promotion Manual
MARCORSEPMAN - Marine Corps Separation and Retirement Manual
MARFORRES - Marine Corps Forces Reserve
MASP - military academic skills program
MC2 - Marine Corps Communication and Consulting
MC3 - Marine Corps Communication, Coaching, and Counseling
MC4 - Marine Corps Communication, Consulting, Coaching, and Counseling
MCC - monitored command code
MCEOB - Marine Corps Enlisted Opportunities Book
MCI - Marine Corps Institute
MCMEDS - Marine Corps Medical Entitlements Data System
MCMP - Marine Corps mentoring program
MCO - Marine Corps order
MCOOB - Marine Corps Officer Opportunity Book
MCP3 - Marine Corps Performance, Programming and Philosophy
MCPS - Marine Corps Presentation Skills
MCRAMM - Marine Corps Reserve Administrative Management Manual
MCRC - Marine Corps Recruiting Command
MCRD - Marine Corps Recruit Depot
MCRISS - Marine Corps Recruiting Information Support System
MCRISS-OSS - Marine Corps Recruiting Information Support System-Officer
Selection Station
MCRISS-PSRS - Marine Corps Recruiting Information Support System-Prior
Service Recruiting Station
MCRISS-PSRSS - Marine Corps Recruiting Information Support System-Prior
Service Recruiting Substation
MCRISS-RS - Marine Corps Recruiting Information Support System-Recruiting
Station
MCROB - Marine Corps Reserve Opportunity Book
MCT - Marine Corps Task
MCTFSPRIM - Marine Corps Total Force Reporting Instructions Manual
MCTIMS - Marine Corps Training Information Management System
MCTL - Marine Corps Task List
MECEP - Marine Corps Enlisted Commissioning Education Program
MEPCOM - Military Entrance Processing Command
MEPS - Military Entrance Processing Station
MET - mission essential task
METL - mission essential task list
MGIB-R - Montgomery GI Bill-Reserve
MGYSGT - Master Gunnery Sergeant
MIRS - USMEPCOM Integrated Resource System
MISSO - Manpower Information Systems Support Officer
MOJT - Marine on-the-job training

MOL - Marine online
MOS - military occupational specialty
MSC - major subordinate command
MSGT - Master Sergeant
MUD - Merkel Unit Designator
NAMI - Naval Aerial Medical Institute
NAVMC - Navy Marine Corps
NIDT - Non-Instrumented Drug Test
NMCI - Navy Marine Corps Communication Information
NWA - new working applicant
OCHF - Operations Chief
OCM - Officer Commissioning Manual
OCONUS - outside the continental United States
OIC - officer in charge
OPFOR - opposing force; opposition force
OPLAN - operational plan
OPNAV - Office of the Chief of Naval Operations
OPNAVINST Chief of Naval Operations instruction
OPS - operations
OPSO - operations officer
ORM - operational risk management
OSO - officer selection officer
OSS - officer selection station
OST - officer selection team
PAC - prospect applicant card
PADD - projected active duty date
PAR - Performance and Review
PFC - Private First Class
PSEP - prior service enlistment program
PSF - public speaking forum
PSR - prior service recruiter
PSRS - prior service recruiting station
PSRSS - prior service recruiting substation
PTAD - permissive temporary additional duty
PVT - Private
QC - quality control
QCIS - quality control SITREP
QSN - quota serial number
RAV - Retention Assist Visit
RECLP - Reserve Enlisted Commissioning Program
RELM - Reenlistment Extension Lateral Move
RI - Recruiter Instructor
ROEP - Reserve Option Enlistment Program
RS - Recruiting Station
RSCE - Recruiting Station Command Element
RSS - Recruiting Substation
RTF - recruiter training file
RUC - reporting unit code
S&R - Schedule and Results
SAT - Systems Approach to Training
SAV - staff assist visit
SDA - special duty assignment
SECNAVINST - Secretary of the Navy Instruction
SGT - Sergeant
SGTMAJ - Sergeant Major
SITREP situation report
SMB - SNCOIC Management Book

SMCR - select Marine Corps reserve
SME - subject matter expert
SMOS - supplementary MOS
SNCO - staff noncommissioned officer
SNCOIC - staff noncommissioned officer in charge
SOP - standing operating procedure
SOS - statement of service
SOU - statement of understanding
SRB - selective reenlistment bonus
SRI - Systematic Recruiting Inspection
SRIP - Selected Reserve Incentive Program
SSGT - Staff Sergeant
T&R - training and readiness
T/O - table of organization
TECOM - Training and Education Command
TIP - training input plan
TMS - Training Management System
UMIS - Unit Manpower Information Sheet
UTM - unit training management
WO - Warrant Officer
XO - executive officer

EOD T&R MANUAL

APPENDIX B: TERMS AND DEFINITIONS

Terms in this glossary are subject to change as applicable orders and directives are revised. Terms established by Marine Corps orders or directives take precedence after definitions found in Joint Publication 1-02, DOD Dictionary of Military and Associated Terms.

A

After Action Review. A professional discussion of training events conducted after all training to promote learning among training participants. The formality and scope increase with the command level and size of the training evolution. For longer exercises, they should be planned for a 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 standard 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 TEGC 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 TEGC is formed to provide subject matter experts in the functional areas being evaluated. The benefit of establishing a permanent TEGC is to have resident, dedicated evaluation authority experience, and knowledgeable in evaluation technique. The responsibilities and functions of the TEGC 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.

EOD T&R MANUAL

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 (2000 level) which are sustained and built upon by unit training and formal schools.

a. The Basic EOD Technician must be developed into a non-linear 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 (2100-4000 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 NAVSCOLEOD 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 (3000-6000 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, and 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.

EOD T&R MANUAL

APPENDIX D: CLASS V (W) REQUIREMENTS

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

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

3. 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.

4. 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 |

5. 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.

6. 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.

| <u>DODIC</u> | 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 | 1600 | 14400 | 0 | 14400 | 1,281,600 |
| A363 | 400 | 3600 | 0 | 3600 | 320,400 |
| A552 | 12 | 108 | 0 | 108 | 9,612 |
| <u>DODIC</u> | QUANTITIES INDIVIDUAL TRAINING | X 9 MARINES PER SECTION | QUANTITIES COLLECTIVE TRAINING | TOTAL FOR SECTION TRAINING | TOTAL CLASS V FOR 89 EOD SECTIONS |
| A555 | 2 | 18 | 0 | 18 | 1,602 |
| A606 | 10 | 90 | 0 | 90 | 8,010 |

| | | | | | |
|---------------------|---|------------------------------------|---|---|--|
| AA03 | 10 | 90 | 0 | 90 | 8,010 |
| 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 | 2 | 18 | 0 | 18 | 1,602 |
| AX14 | 2 | 18 | 0 | 18 | 1,602 |
| B546 | 1 | 9 | 4 | 13 | 1,157 |
| B643 | 1 | 9 | 6 | 15 | 1,335 |
| B647 | 0 | 0 | 4 | 4 | 356 |
| C869 | 1 | 9 | 2 | 11 | 979 |
| C870 | 0 | 0 | 4 | 4 | 356 |
| C995 | 0 | 0 | 4 | 4 | 356 |
| CA45 | 0 | 0 | 4 | 4 | 356 |
| D502 | 0 | 0 | 1 | 1 | 89 |
| D509 | 0 | 0 | 1 | 1 | 89 |
| D529 | 0 | 0 | 2 | 2 | 178 |
| D864 | 0 | 0 | 1 | 1 | 89 |
| DA12 | 2 | 18 | 0 | 18 | 1,602 |
| DA54 | 2 | 18 | 2 | 20 | 1,780 |
| DWDR | 0 | 0 | 4 | 4 | 356 |
| DWEC | 4 | 36 | 0 | 36 | 3,204 |
| DWED | 4 | 36 | 0 | 36 | 3,204 |
| DWEE | 4 | 36 | 0 | 36 | 3,204 |
| DWEI | 5050 | 45450 | 2000 | 47450 | 4,223,050 |
| DWGB | 0 | 0 | 6 | 6 | 534 |
| G900 | 26 | 234 | 0 | 234 | 20,826 |
| G940 | 0 | 0 | 3 | 3 | 267 |
| G950 | 0 | 0 | 3 | 3 | 267 |
| J143 | 0 | 0 | 4 | 4 | 356 |
| K143 | 0 | 0 | 2 | 2 | 178 |
| K250 | 0 | 0 | 2 | 2 | 178 |
| K765 | 1 | 9 | 36 | 45 | 4,005 |
| M023 | 29 | 261 | 8 | 269 | 23,941 |
| M032 | 9 | 81 | 16 | 97 | 8,633 |
| M130 | 69 | 621 | 60 | 681 | 60,609 |
| K765 | 1 | 9 | 36 | 45 | 4,005 |
| M023 | 29 | 261 | 8 | 269 | 23,941 |
| M032 | 9 | 81 | 16 | 97 | 8,633 |
| M039 | 0 | 0 | 2 | 2 | 178 |
| M130 | 69 | 621 | 60 | 681 | 60,609 |
| M131 | 85 | 765 | 80 | 845 | 75,205 |
| <u>DODIC</u> | QUANTITIES INDIVIDUAL TRAINING | X 9 MARINES PER SECTION | QUANTITIES COLLECTIVE TRAINING | TOTAL FOR SECTION TRAINING | TOTAL CLASS V FOR 89 EOD SECTIONS |
| M174 | 13 | 117 | 20 | 137 | 12,193 |
| M420 | 1 | 9 | 0 | 9 | 801 |

| | | | | | |
|------|------|------|------|-------|-----------|
| M421 | 1 | 9 | 0 | 9 | 801 |
| M456 | 1065 | 9585 | 1700 | 11285 | 1,004,365 |
| 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 | 6 | 54 | 0 | 54 | 4,806 |
| 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 |
| M585 | 0 | 0 | 4 | 4 | 356 |
| M591 | 4 | 36 | 6 | 42 | 3,738 |
| M670 | 697 | 6273 | 1600 | 7873 | 700,697 |
| M757 | 4 | 36 | 12 | 48 | 4,272 |
| M980 | 17 | 153 | 20 | 173 | 15,397 |
| M981 | 16 | 144 | 20 | 164 | 14,596 |
| M982 | 12 | 108 | 20 | 128 | 11,392 |
| M986 | 9 | 81 | 20 | 101 | 8,989 |
| ML03 | 3 | 27 | 0 | 27 | 2,403 |
| ML04 | 5 | 45 | 0 | 45 | 4,005 |
| ML05 | 7 | 63 | 0 | 63 | 5,607 |
| 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 |
| MN01 | 0 | 0 | 4 | 4 | 356 |
| MN08 | 102 | 918 | 62 | 980 | 87,220 |
| MN88 | 10 | 90 | 2 | 92 | 8,188 |
| MN90 | 17 | 153 | 2 | 155 | 13,795 |
| MU40 | 2 | 18 | 0 | 18 | 1,602 |
| MU41 | 2 | 18 | 0 | 18 | 1,602 |
| MU42 | 2 | 18 | 0 | 18 | 1,602 |
| MY57 | 0 | 0 | 4 | 4 | 356 |
| MY77 | 0 | 0 | 4 | 4 | 356 |
| NA15 | 0 | 0 | 4 | 4 | 356 |

| UNIT | number of Sections per unit |
|-----------------|------------------------------------|
| 1st EOD Company | 13 |
| 11th MEU | 2 |

| | |
|---------------------------|--|
| 13th MEU | 2 |
| 15th MEU | 2 |
| 2nd EOD Company | 13 |
| 22nd MEU | 2 |
| 24th MEU | 2 |
| 26th MEU | 2 |
| 3rd EOD Company | 13 |
| 31st MEU | 2 |
| CLB-3 | 1 |
| CLB-11 | 2 |
| CLB-13 | 2 |
| CLB-15 | 2 |
| CLB-22 | 2 |
| CLB-24 | 2 |
| CLB-26 | 2 |
| CLB-31 | 2 |
| 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 |
| MCAS Yuma | 1 |
| CBIRF | 2 |
| MAGTFTC EOD | 2 |
| 1st MSOB | 2 |
| 2nd MSOB | 2 |
| 3rd MSOB | 2 |
| | number of Sections per unit |
| UNIT | |
| MCSCG EOD | 1 |
| Total Number EOD Sections | 103 |

| <u>DODIC</u> | <u>NOMENCLATURE</u> |
|---------------------|---|
| A011 | CARTRIDGE, 12 GAGE SHOTGUN, #00 BUCKSHOT M19/M162 |
| A017 | CARTRIDGE, 12 GAGE SHOTGUN M162 #9 BUCKSHOT |
| A059 | CARTRIDGE, 5.56MM BALL M855 |
| 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) |
| AA03 | CARTRIDGE, 7.62 AP M993 SINGLE ROUND |
| 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 |
| 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 |
| B647 | CARTRIDGE, 60MM ILLUMINATING M721 |
| C869 | CARTRIDGE, 81MM HE M889/M889A1 with PD Fuze M935 |
| C995 | CTG & LAUNCHER, 84MM M136 AT-4 |
| CA45 | PROJECTILE, 120MM MORTAR HE M1101 |
| D502 | PROJECTILE, 155MM ADAM-S M731 |
| D509 | PROJECTILE, 155MM ANTI-TANK RAAM-S M741 |
| D529 | PROJECTILE, 155MM EXT RING M795 |
| D864 | PROJECTILE, 155MM ER DPICM M864 |
| <u>DODIC</u> | <u>NOMENCLATURE</u> |
| 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) |
| DWDR | BLASTING AGEN, EMULSION (SCENT KIT COMPONENT) |
| 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 |
| <u>DODIC</u> | <u>NOMENCLATURE</u> |
| J143 | ROCKET MOTOR, 5-INCH MK22 MOD 4 |
| K143 | MINE, APERS M18A1 W/FIRING DEVICE |
| K250 | MINE, AT HEAVY M19 |
| 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 |
| 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 |
| <u>DODIC</u> | NOMENCLATURE |
| MN88 | CAP BLASTING, NON-ELECTRIC, M21 WITH 500 FT. MINITUBE |
| MN90 | CAP, BLASTING, NON-ELECTRIC, M23, WITH 1000 FT. MINI TUBE |
| MU40 | CORD, DETONATING, 400 GRAINS PER FOOT |
| MU41 | CORD, DETONATION, 400 GRAINS PER FOOT |
| MU42 | CORD, DETONATING, 100 GRAINS PER FOOT |

| | |
|------|-------------------------------------|
| MY57 | SMOKELESS POWER (2-1 LB CONTAINERS) |
| MY77 | EXPLOSIVE WATER GEL (6 STICKS) |
| NA15 | FUZE, ELECTRONIC TIME M767A1 |

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

| <u>DODIC</u> | <u>Section Quantities</u> | <u>SUSTAINMENT INTERVAL (6 month)</u> |
|--------------|---------------------------|---------------------------------------|
| 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 |
| <u>DODIC</u> | <u>Section Quantities</u> | <u>SUSTAINMENT INTERVAL (6 month)</u> |
| MU42 | 20 | 20 |
| MM51 | 15 | 30 |