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MANUAL, (SHORT TITLE: EOD T&R MANUAL)

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(d) MCO 3500.27B W/Erratum
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(g) MCO 1553.2A

1. Purpose. Per reference (a), this T&R Manual establishes Core Capability Mission Essential Tasks (MET) for readiness reporting and required events for standardization training of Marines and Navy personnel assigned to the Marine Corps. Additionally, it provides tasking for formal schools preparing personnel for service in the Marine Corps commands. This manual supersedes NAVMC 3500.66.

2. Scope

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

b. Per reference (b), commanders will conduct an internal assessment of the unit's ability to execute each MET, and develop long-, mid-, and short-range training plans to sustain proficiency in each MET. Training plans will incorporate these events to standardize training and provide objective assessment of progress toward attaining combat readiness. Commanders will keep records at the unit and individual levels to record training achievements, identify training gaps, and document objective assessments of readiness associated with training Marines. Commanders will use reference (c) to incorporate nuclear, biological, and chemical defense training into training plans and reference (d) to integrate operational risk management. References (e) and (f) provide amplifying information for effective planning and management of training within the unit.

c. Formal school and training detachment commanders will use references (a) and (g) to ensure programs of instruction meet skill training

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requirements established in this manual, and provide career-progression training in the events designated for initial training in the formal school environment.

3. Information. CG, TECOM will update this T&R Manual as necessary to provide current and relevant training standards to commanders, and to ensure a current Core Capabilities METL is available for use in DRRS by the Marine Corps. All questions pertaining to the Marine Corps Ground T&R Program and Unit Training Management should be directed to: Commanding General, TECOM (Ground Training Branch C 469), 1019 Elliot Road, Quantico, VA 22134.

4. Command. This Directive is applicable to the Marine Corps Total Force.

5. Certification. Reviewed and approved this date.


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By direction

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EOD T&R MANUAL

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EOD T&R MANUAL

CHAPTER 1

OVERVIEW

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EOD T&R MANUAL

CHAPTER 1

OVERVIEW

1000. INTRODUCTION

1. The T&R Program is the Corps' primary tool for planning, conducting and evaluating training, and assessing training readiness. Subject matter experts (SME's) from the operating forces developed core capability Mission Essential Task Lists (METL's) for ground communities derived from the Marine Corps Task List (MCTL). T&R Manuals are built around these METL's and all events contained in T&R Manuals relate directly to this METL. This comprehensive T&R Program will help to ensure the Marine Corps continues to improve its combat readiness by training more efficiently and effectively. Ultimately, this will enhance the Marine Corps' ability to accomplish real-world missions.

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

1001. UNIT TRAINING

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

2. Commanders will ensure that all tactical training is focused on their combat mission. The T&R Manual is a tool to help develop the unit's training plan. In most cases, unit training should focus on achieving unit proficiency in the core capabilities METL. However, commanders will adjust their training focus to support METL's associated with a major OPLAN/CONPLAN or named operation as designated by their higher commander and reported

accordingly in the Defense Readiness Reporting System (DRRS). Tactical training will support the METL in use by the commander and be tailored to meet T&R standards. Commanders at all levels are responsible for effective combat training. The conduct of training in a professional manner consistent with Marine Corps standards cannot be over emphasized.

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

1002. UNIT TRAINING MANAGEMENT

1. Unit Training Management (UTM) is the application of the Systems Approach to Training (SAT) and the Marine Corps Training Principles. This is accomplished in a manner that maximizes training results and focuses the training priorities of the unit in preparation for the conduct of its wartime mission.

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

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

3. To maintain an efficient and effective training program, leaders at every level must understand and implement UTM. Guidance for UTM and the process for establishing effective programs are contained in references (a) through (g).

1003. SUSTAINMENT AND EVALUATION OF TRAINING

1. The evaluation of training is necessary to properly prepare Marines for combat. Evaluations are either formal or informal, and performed by members of the unit (internal evaluation) or from an external command (external evaluation).

2. Marines are expected to maintain proficiency in the training events for their MOS at the appropriate GRADE or billet to which assigned. Leaders are responsible for recording the training achievements of their Marines.

Whether it involves individual or collective training events, they must ensure proficiency is sustained by requiring retraining of each event at or before expiration of the designated SUSTAINMENT INTERVAL. Performance of the training event, however, is not sufficient to ensure combat readiness. Leaders at all levels must evaluate the performance of their Marines and the unit as they complete training events, and only record successful accomplishment of training based upon the evaluation. The goal of evaluation is to ensure that correct methods are employed to achieve the desired standard, or the Marines understand how they need to improve in order to attain the standard. Leaders must determine whether credit for completing a training event is recorded if the standard was not achieved. While successful accomplishment is desired, debriefing of errors can result in successful learning that will allow ethical recording of training event completion. Evaluation is a continuous process that is integral to training management and is conducted by leaders at every level and during all phases of planning and the conduct of training. To ensure training is efficient and effective, evaluation is an integral part of the training plan. Ultimately, leaders remain responsible for determining if the training was effective.

3. The purpose of formal and informal evaluation is to provide commanders with a process to determine a unit's/Marine's proficiency in the tasks that must be performed in combat. Informal evaluations are conducted during every training evolution. Formal evaluations are often scenario-based, focused on the unit's METs, based on collective training standards, and usually conducted during higher-level collective events. References (a) and (f) provide further guidance on the conduct of informal and formal evaluations using the Marine Corps Ground T&R Program.

1004. ORGANIZATION

1. T&R Manuals are organized in one of two methods: unit-based or community-based. Unit-based T&R Manuals are written to support a type of unit (Infantry, Artillery, Tanks, etc.) and contain both collective and individual training standards. Community-based are written to support an Occupational Field, a group of related Military Occupational Specialties (MOS's), or billets within an organization (EOD, NBC, Intel, etc.), and usually only contain individual training standards. T&R Manuals are comprised of chapters that contain unit MET's, collective training standards (CTS), and individual training standards (ITS) for each MOS, billet, etc.

2. The EOD T&R Manual is a community-based manual, written to support the EOD community; it also houses the Dynamic Entry T&R requirements. The manual is not intended, nor should it be used as a stand-alone document. The manual is organized in six chapters

a. Chapter 1 is an overview of the Marine Corps's Training and Readiness program. It consists of elements common to all MOSs that are pertinent to successful implementation of a Training and Readiness program. Chapter 1 also outlines the organization and key elements of the EOD Technician/Officer T&R Manual, with explanations of each key element.

b. Chapter 2 is a place holder for Mission Essential Tasks.

c. Chapter 3 consists of Collective Training Events for The EOD community. Collective Training Events are arranged by event code under the appropriate supported MET. An index of collective events arranged by level is included for easy referencing.

d. Chapter 4 consists of the Methods of Entry training events.

e. Chapter 5 consists of Individual Training Events for the EOD Officer (2305 Occupational Field). Events are arranged by MOS/EVENT CODE. An index of the individual events arranged by level is included for easy referencing.

f. Chapter 6 consists of Individual training Events for the EOD Technician (2336 Occupational Field). Events are arranged by MOS/EVENT CODE. An index of the individual events arranged by level is included for easy referencing.

1005. T&R EVENT CODING

1. T&R events are coded for ease of reference. Each event has a 4-4-4 digit identifier. The first four digits represent either the Community or the MOS (EOD, 2305, OR 2336). The second four digits represent the functional or duty area: Administration (ADMN) supervision (SUPV), EOD Tool (Tool) Demolitions and Disposal (DEMO), Improvised Explosive Devices (IEDS), Intelligence and Reconnaissance (INTL), Neutralization and Render Safe Procedure (NEUT), Chemical, Biological, Radiological, Nuclear, and High Yield Explosives (CBRN), Special Operations (SOF), and Methods of Entry (MOES). The last four digits represent the sequence of the event.

XXXX = ADMN
XXXX = SUPV
XXXX = TOOL
XXXX = DEMO
XXXX = IEDS
XXXX = INTL
XXXX = NEUT
XXXX = CBRN
XXXX = SOF
XXXX = MOES

EXAMPLE EOD-CBRN-3703

3000 Level equates to Response Element

CBRN Equates to Chemical, Biological, Radiological, Nuclear, High Yield Explosives (CBRNE)

2. The T&R levels are illustrated in Figure 1. An example of the T&R coding used in this Manual is shown in Figure 2.

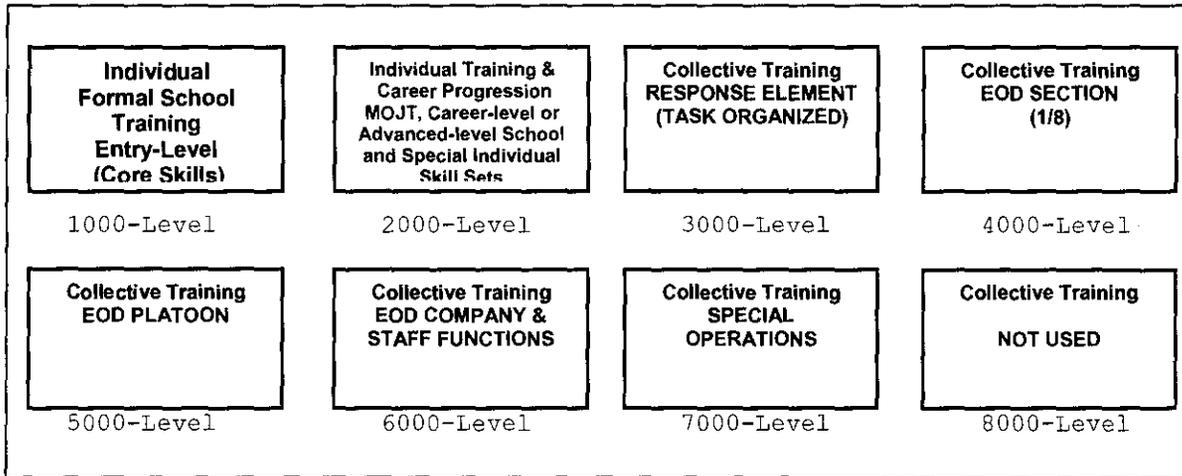


Figure 1: T&R Event Levels

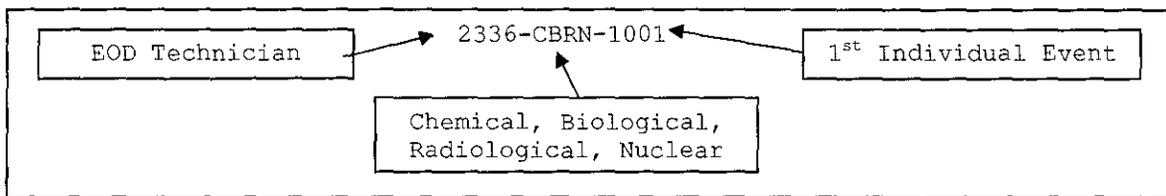


Figure 2: T&R Event Coding

1006. EOD CAREER PROGRESSION PHILOSOPHY. The EOD career progression philosophy is to provide a structured and progressive career education plan designed to produce a highly capable EOD technician that can support the entire spectrum of warfare placing emphasis on the Marine Air Ground Task Force (MAGTF). This plan starts with the Basic EOD Course that provides the core skills (1000 level) which are sustained and built upon by unit training and formal schools.

a. The Basic EOD Technician must be developed into a non-linear thinker who has a vision for the future. They must be able to immediately assume a position within an EOD element and be functional, while continuing their EOD education through core-plus skills (2000-4000 level). Unit sustainment training and formal schools will improve their technical and tactical ability. The Basic EOD Technician must pursue an aggressive professional training regimen in order to be success 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 assume positions of leadership within a MAGTF element and provide technical expertise to the appropriate staff level (4000-6000 level). This philosophy will further prepare them for a transition to the Master EOD Technician. The Senior EOD technician has graduated the Basic EOD Course at NAVSCOLEOD and enhances 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 (6000-7000level). The Master EOD Technician will receive specialized training that will compliment core, core-plus skills and formal training in order to support operations at the MAGTF, MARFOR, Service, Theater, National, supporting establishment and external agencies. The 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. The 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.

1007. COMBAT READINESS PERCENTAGE

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

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

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

1008. EVALUATION-CODED (E-CODED) EVENTS

1. Unit-type T&R Manuals can contain numerous unit events, some for the whole unit and others for integral parts that serve as building blocks for

training. To simplify training management and readiness assessment, only collective events that are critical components of a mission essential task (MET), or key indicators of a unit's readiness, are used to generate CRP for a MET. These critical or key events are designated in the T&R Manual as Evaluation-Coded (E-Coded) events. Formal evaluation of unit performance in these events is recommended because of their value in assessing combat readiness. Only E-Coded events are used to calculate CRP for each MET.

2. The use of a METL-based training program allows the commander discretion in training. This makes the T&R Manual a training tool rather than a prescriptive checklist.

1009. 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. Using the battalion-based (unit) model, the battalion (7000-level) has collective events that directly support a MET on the METL. These collective events are E-Coded and the only events that contribute to unit CRP. This is done to assist commanders in prioritizing the training toward the METL, taking into account resource, time, and personnel constraints.

2. Unit CRP increases after the completion of E-Coded events. The number of E-Coded events for the MET determines the value of each E-Coded event. For example, if there are 4 E-Coded events for a MET, each is worth 25% of MET CRP. MET CRP is calculated by adding the percentage of each completed and current (within sustainment interval) E-Coded training event. The percentage for each MET is calculated the same way and all are added together and divided by the number of METS to determine unit CRP. For ease of calculation, we will say that each MET has 4 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: $325 \text{ (total MET CRP)} / 5 \text{ (total number of METS)} = 65\%$

1010. T&R EVENT COMPOSITION

1. This section explains each of the components of a T&R event. These items are included in all events in each T&R manual.

a. Event Code (see Sect 1006). The event code is a 4-4-4 character set. For individual training events, the first 4 characters indicate the occupational function. The second 4 characters indicate functional area (TAC, CBTS, VOPS, etc.). The third 4 characters are simply a numerical designator for the event.

b. Event Title. The event title is the name of the event.

c. E-Coded. This is a "yes/no" category to indicate whether or not the event is E-Coded. If yes, the event contributes toward the CRP of the associated MET. The value of each E-Coded event is based on number of E-Coded events for that MET. Refer to paragraph 1008 for detailed explanation of E-Coded events.

d. Supported MET(s). List all MET's that are supported by the training event.

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

f. Billet. Individual training events may contain a list of billets within the community that are responsible for performing that event. This ensures that the billets expected tasks are clearly articulated and a Marine's readiness to perform in that billet is measured.

g. Grade. Each individual training event will list the rank(s) at which Marines are required to learn and sustain the training event.

h. Initial Training Setting. For Individual T&R Events only, this specifies the location for initial instruction of the training event in one of three categories (formal school, managed on-the-job training, distance learning). Regardless of the specified Initial Training Setting, any T&R event may be introduced and evaluated during managed on-the-job training.

(1) "FORMAL" - When the Initial Training Setting of an event is identified as "FORMAL" (formal school), the appropriate formal school or training detachment is required to provide initial training in the event. Conversely, formal schools and training detachments are not authorized to provide training in events designated as Initial Training Setting "MOJT" or "DL." Since the duration of formal school training must be constrained to optimize Operating Forces' manning, this element provides the mechanism for Operating Forces' prioritization of training requirements for both entry-level (1000-level) and career-level (2000-level) T&R Events. For formal schools and training detachments, this element defines the requirements for content of courses.

(2) "DL" - Identifies the training event as a candidate for initial training via a Distance Learning product (correspondence course or Marine Net course).

(3) "MOJT" - Events specified for Managed On-the-Job Training are to be introduced to Marines, and evaluated, as part of training within a unit by supervisory personnel.

i. Event Description. Provide a description of the event purpose, objectives, goals, and requirements. It is a general description of an action requiring learned skills and knowledge (e.g. Camouflage the M1A1 Tank).

j. Condition. Describe the condition(s), under which tasks are performed. Conditions are based on a "real world" operational environment. They indicate what is provided (equipment, materials, manuals, aids, etc.), environmental constraints, conditions under which the task is performed, and any specific cues or indicators to which the performer must respond. When resources or safety requirements limit the conditions, this is stated.

k. Standard. The standard indicates the basis for judging 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 is strictly adhered to. The standard for collective events is general, describing the desired end-state or purpose of the event. While the standard for individual events specifically describe to what proficiency level in terms of accuracy, speed, sequencing, quality of performance, adherence to procedural guidelines, etc., the event is accomplished.

l. Event Components. Describe the actions composing the event and help the user determine what must be accomplished and to properly plan for the event.

m. 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.

n. Chained Events. Collective T&R events are supported by lower-level collective and individual T&R events. This enables unit leaders to effectively identify subordinate T&R events that ultimately support specific mission essential tasks. When the accomplishment of any upper-level events, by their nature, result in the performance of certain subordinate and related events, the events are "chained." The completion of chained events will update sustainment interval credit (and CRP for E-Coded events) for the related subordinate level events.

o. Related Events. Provide a list of all Individual Training Standards that support the event.

p. References. The training references are utilized to determine task performance steps, grading criteria, and ensure standardization of training

procedures. They assist the trainee in satisfying the performance standards, or the trainer in evaluating the effectiveness of task completion. References are also important to the development of detailed training plans.

q. Distance Learning Products (IMI, CBT, MCI, etc.). Include this component when the event can be taught via one of these media methods vice attending a formal course of instruction or receiving MOJT.

r. Support Requirements. This is a list of the external and internal support the unit and Marines will need to complete the event. The list includes, but is not limited to:

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

s. Miscellaneous. Provide any additional information that assists in the planning and execution of the event. Miscellaneous information may include, but is not limited to:

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

2. Community-based T&R Manuals have several additional components not found in unit-based T&R Manuals. These additions do not apply to this T&R Manual.

1011. CBRND TRAINING

1. All personnel assigned to the operating force must be trained in chemical, biological, radiological, and nuclear defense (CBRND), in order to survive and continue their mission in a CBRN 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 a CBRN incident. Basic operating standards are those that the individual, and collectively the unit, must perform to continue operations in a CBRND environment.

2. CBRN Officers and Specialists are instrumental in integrating realistic scenarios/situations that challenge units' ability to operate in a CBRN environment. Units should train under CBRND conditions whenever possible. Per reference (c), all units must be capable of accomplishing their assigned mission in a contaminated environment.

1012. NIGHT TRAINING

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

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

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

1013. OPERATIONAL RISK MANAGEMENT (ORM)

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

2. Commanders, leaders, maintainers, planners, and schedulers will integrate risk assessment in the decision-making process and implement hazard controls to reduce risk to acceptable levels. Applying the ORM process will reduce mishaps, lower costs, and provide for more efficient use of resources. ORM assists the commander in conserving lives and resources and avoiding unnecessary risk, making an informed decision to implement a course of action (COA), identifying feasible and effective control measures where specific measures do not exist, and providing reasonable alternatives for mission accomplishment. Most importantly, ORM assists the commander in determining the balance between training realism and unnecessary risks in training, the impact of training operations on the environment, and the adjustment of training plans to fit the level of proficiency and experience of Sailors/Marines and leaders. Further guidance for ORM is found in references (b) and (d).

1014. APPLICATION OF SIMULATION

1. Simulations/Simulators and other training devices shall be used when they are capable of effectively and economically supplementing training on the identified training task. Particular emphasis shall be placed on simulators that provide training that might be limited by safety considerations or constraints on training space, time, or other resources. When deciding on simulation issues, the primary consideration shall be improving the quality of training and consequently the state of readiness. Potential savings in operating and support costs normally shall be an important secondary consideration.

2. Each training event contains information relating to the applicability of simulation. If simulator training applies to the event, then the applicable simulator(s) is/are listed in the "Simulation" section and the CRP for simulation training is given. This simulation training can either be used in place of live training, at the reduced CRP indicated; or can be used as a precursor training for the live event, i.e., weapons simulators, convoy trainers, observed fire trainers, etc. It is recommended that tasks be

performed by simulation prior to being performed in a live-fire environment. However, in the case where simulation is used as a precursor for the live event, then the unit will receive credit for the live event CRP only. If a tactical situation develops that precludes performing the live event, the unit would then receive credit for the simulation CRP.

1015. MARINE CORPS GROUND T&R PROGRAM

1. The Marine Corps Ground T&R Program continues to evolve. The vision for Ground T&R Program is to publish a T&R Manual for every readiness-reporting unit so that core capability MET's are clearly defined with supporting collective training standards, and to publish community-based T&R Manuals for all occupational fields whose personnel augment other units to increase their combat and/or logistic capabilities. The vision for this program includes plans to provide a Marine Corps training management information system that enables tracking of unit and individual training accomplishments by unit commanders and small unit leaders, automatically computing CRP for both units and individual Marines based upon MOS and rank (or billet). Linkage of T&R Events to the Marine Corps Task List (MCTL), through the core capability MET's, has enabled objective assessment of training readiness in the DRRS.

2. DRRS measures and reports on the readiness of military forces and the supporting infrastructure to meet missions and goals assigned by the Secretary of Defense. With unit CRP based on the unit's training toward its MET's, the CRP will provide a more accurate picture of a unit's readiness. This will give fidelity to future funding requests and factor into the allocation of resources. Additionally, the Ground T&R Program will help to ensure training remains focused on mission accomplishment and that training readiness reporting is tied to units' METL's.

EOD T&R MANUAL

CHAPTER 2

MISSION ESSENTIAL TASKS MATRIX

This chapter remains as a placeholder for future use.

EOD T&R MANUAL

CHAPTER 3

COLLECTIVE EVENTS

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EOD T&R MANUAL

CHAPTER 3

COLLECTIVE EVENTS

3000. PURPOSE. This chapter includes all collective events. A collective event is an event that an established unit would perform in combat. These events are linked to a Service-Level Mission Essential Task (MET). This linkage tailor's collective and individual training for the selected MET. Each collective event is composed of component events that provide the major actions required. This may be likely actions, list of functions, or procedures. Accomplishment and proficiency level required of component events are determined by the event standard.

3001. ADMINISTRATIVE NOTES. T&R events are coded for ease of reference. Each event has a 4-4-4 digit identifier. The first four digits represent the occupational field, "EOD". The second four digits represent the functional or duty area (e.g. Demolition (DEMO), Improvised Explosive Devices (DEMO), etc.). The last four digits represent the level, and identifier number of the event. The EOD collective events are only in the 3000 level. Every event has a unique identifier number from 001 to 999.

3002. INDEX OF COLLECTIVE EVENTS BY LEVEL

EVENT CODE	E-Coded	EVENT	PAGE
3000-LEVEL EVENTS			
EOD-ADMN-3001	Yes	Respond to an Aircraft Incident	3-5
EOD-CBRN-3101	Yes	Conduct Sensitive Site Exploitation	3-5
EOD-CBRN-3102	Yes	Perform Leak, Seal, and Packaging Procedures on CBRNE Materials	3-6
EOD-CBRN-3103	Yes	Perform CBRNE Render Safe Procedures	3-6
EOD-CBRN-3104	No	Conduct Disposal of Chemical/Biological	3-7
EOD-CBRN-3105	Yes	Conduct CBRNE Reconnaissance Operations	3-8
EOD-DEMO-3201	Yes	Conduct Destruction of Explosive Hazards	3-9
EOD-DEMO-3202	No	Perform Methods of Entry	3-9
EOD-IED-3301	Yes	Identify Explosive and Non-Explosive Components	3-11
EOD-INTL-3401	Yes	Conduct Post Blast Analysis	3-11
EOD-INTL-3402	No	Perform Advanced Access Techniques	3-12
EOD-INTL-3403	Yes	Conduct Explosive Ordnance Disposal Reconnaissance	3-13
EOD-NEUT-3501	Yes	Conduct Render Safe of Improvised Explosive Device	3-14
EOD-NEUT-3502	Yes	Conduct Render Safe of Conventional Explosive Hazards	3-15
EOD-SPEC-3801	No	Gain Entry to Spaces Containing Explosive Devices	3-16
EOD-SPEC-3802	No	Apply Specialized Explosive Techniques at Sensitive Sites	3-17
EOD-SPEC-3803	No	Detect Hazards Using Advanced Tools and Techniques	3-18
EOD-SPEC-3804	No	Access Explosive Devices	3-19
EOD-SPEC-3805	No	Diagnose Hazards Using Advanced Tools and Techniques	3-21
4000-LEVEL EVENTS			
EOD-ADMN-4001	Yes	Provide Support to Other Government Agencies in Support of the Homeland Defense Mission	3-23
EOD-ADMN-4002	Yes	Provide full spectrum EOD direct and general support	3-23
EOD-CBRN-4101	No	Conduct Emergency Personnel Decontamination Station (EPDS) Operations	3-24
EOD-INTL-4201	Yes	Conduct Ordnance Exploitation	3-24
EOD-INTL-4202	Yes	Support Counter WMD Operations	3-25
EOD-SUPR-4301	No	Establish a Command Post	3-26
EOD-SUPV-4302	Yes	Plan and Control Simultaneous Operations	3-27
5000-LEVEL EVENTS			
EOD-ADMN-5001	Yes	Provide full spectrum EOD MAGTF Support	3-28
EOD-NEUT-5101	No	Conduct Large Scale Explosive Ordnance Operations	3-28

6000-LEVEL EVENT			
EOD-ADMN-6001	Yes	Provide full spectrum EOD MEF Support	3-30
7000-LEVEL EVENTS			
EOD-SPEC-7001	No	Provide EOD Assault Support to SOF	3-31
EOD-SPEC-7002	No	Conduct EOD Operations in Support of Advanced Special Operations	3-31

3003. 3000-LEVEL EVENTS

EOD-ADMN-3001: Respond to an Aircraft Incident

SUPPORTED MET(S): None

EVALUATION-CODED: YES SUSTAINMENT INTERVAL: 12 months

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

CONDITION: Given a requirement.

STANDARD: To mitigate hazards and safely recover equipment/personnel.

EVENT COMPONENTS:

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

REFERENCES:

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

EOD-CBRN-3101: Conduct Sensitive Site Exploitation

SUPPORTED MET(S): None

EVALUATION-CODED: YES SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: This event includes Technical Site Exploitation.

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

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

EVENT COMPONENTS:

1. Develop a comprehensive plan.
2. Conduct analysis of intelligence.
3. Collect on-site intelligence.
4. Identify target/hazards.
5. Exploit documents, equipment, and weapons related explosive or hazardous components.
6. Process scene.
7. Report as required.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. CFR 49 Hazardous Materials

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

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17830 Light Demolition Range

Facility Code 17962 MOU Collective Training Facility (Small)

EOD-CBRN-3102: Perform Leak, Seal, and Packaging Procedures on CBRNE Materials

SUPPORTED MET(S): None

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 12 months

CONDITION: Given an EOD element, utilizing PPE, EOD tools and equipment, appropriate publications, CBRN decontaminates and packaging materials.

STANDARD: To eliminate the emission of contamination associated with the CBRNE munitions or device.

EVENT COMPONENTS:

1. Establish initial exclusion zone and downwind hazard area.
2. Establish command post.
3. Setup Emergency Personnel Decontamination Station (EPDS).
4. Select and don PPE.
5. Identify Ordnance Type and agent filler.
6. Perform leak seal and package procedure.
7. Prepare item for transportation.
8. Process team and item through EPDS.
9. Complete the reporting requirements.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
 2. FM 5-25 Explosives and Demolitions
 3. MCO 3440.7 Marine Corps Support to Civil Authorities
 4. NAVSEA SWO60-AA-MMA-010 Demolition Materials
-

EOD-CBRN-3103: Perform CBRNE Render Safe Procedures

SUPPORTED MET(S): None

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 12 months

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

STANDARD: To mitigate the hazards.

EVENT COMPONENTS:

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

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
 2. MCO 1510.101 Individual Training Standards System for Marine Corps Special Skills, Vol. II
 3. MCO 8027.1 Interservice Responsibilities for Explosive Ordnance Disposal
 4. MCRP 3-17.2 Multiservice Procedures for Explosive Ordnance Disposal (NTTP) in a Joint Environment
 5. NAVSEA SWO20-AC-SAF-010 Transportation and Storage Data for Ammunition, Explosives and Related Hazardous Materials
 6. TM-10 Applicable Manuals
 7. Applicable Marine Corps Orders and Directives
-

EOD-CBRN-3104: Conduct Disposal of Chemical/Biological

SUPPORTED MET (S): None

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

CONDITION: Given a situation.

STANDARD: Ensuring complete destruction of hazardous material.

EVENT COMPONENTS:

1. Based on information and intelligence provided assess the threat.
2. Select the appropriate level of PPE for the threat.
3. Establish responsibilities and requirements with all supporting agencies.
4. Select the appropriate detectors and monitors to survey the threat.
5. Identify toxins.
6. Select disposal technique.
7. Move toxins to disposal site.
8. Plot the downwind hazard area and evacuate personnel.
9. Brief all personnel and supporting agencies on site before disposal.
10. Conduct selected disposal procedure using the 5 to 1 ratio.

11. Conduct monitor survey operations to ensure disposal is complete.
12. Conduct appropriate turnover with required agencies.
13. Complete and submit required reports.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. CFR 49 Hazardous Materials
3. Applicable Marine Corps Orders and Directives
4. National Response Plan

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
M023 Charge, Demolition Block M112 1-1/4	5
M130 Cap, Blasting Electric M6	2

EQUIPMENT: EOD CBRNE KIT

UNITS/PERSONNEL: This EOD operation requires support from all first responder agencies. Depending on the scope of the operation NBC detachment may be required.

EOD-CBRN-3105: Conduct CBRNE Reconnaissance Operations

SUPPORTED MET(S): None

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 12 months

CONDITION: Given a situation.

STANDARD: To identify hazards associated with CBRNE munitions or devices.

EVENT COMPONENTS:

1. Evaluate intelligence.
2. Determine equipment.
3. Employ monitoring equipment.
4. Mark and/or map contaminated area.
5. Take samples.
6. Determine hot line.
7. Employ remote tools.
8. Identify CBRNE hazards.
9. Communicate with Command Post and forward the report to the appropriate channels.
10. Perform emergency measures if required.
11. Complete the reporting requirements.

REFERENCES:

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

EOD-DEMO-3201: Conduct Destruction of Explosive Hazards

SUPPORTED MET(S): None

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 12 months

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

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

EVENT COMPONENTS:

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

REFERENCES:

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

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
M023 Charge, Demolition Block M112 1-1/4	2
M131 Cap, Blasting Non-Electric M7	2
M456 Cord, Detonating PETN Type I Class E	10 ft
M670 Fuse, Blasting Time M700	12 ft
MN08 Igniter, Time Blasting Fuse with Sho	2

RANGE/TRAINING AREA: Facility Code 17830 Light Demolition Range

EQUIPMENT: Demolition Kit

UNITS/PERSONNEL: Corpsman with Trauma Training

EOD-DEMO-3202: Perform Methods of Entry

SUPPORTED MET(S): None

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 18 months

DESCRIPTION: This event is used to refresh skill sets as taught by the Methods of Entry School, Quantico, VA. This event encompasses explosive, mechanical, thermal, and ballistic breaching.

CONDITION: Given a target

STANDARD: In order to gain unobstructed access.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. FM 3-34.214 Explosives and Demolitions
3. FM 3-90.15 Tactics, Techniques, and Procedures for Tactical Operations Involving Sensitive Sites
4. MOES-BL Methods of Entry School Breacher Logbook
5. NAVMC DIR 5100.8 Marine Corps Occupational Safety and Health (OSH) Program Manual (May 06)
6. NAVSEA OP 5 Vol 1 Ammunition and Explosives/Ashore Safety Regulations of Handling, Storage, Production, Renovation and Shipping
7. NAVSEA SWO60-AA-MMA-010 Demolition Materials
8. STIHL 510/760 STIHL TS 510, 760 Instruction Manual
9. TCTK - 2006 Tactical Cutting Torch Kits Operating Instructions Manual (July 2006)
10. TM 10003A/07172A/09081A-13&P Remington and Mossberg Shotgun Operators Manual
11. TM 10698A-10/1 M1014A Operators Manual
12. TM 10698A-23B&P/2 M1014 Shotgun Maintenance Manual

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
A024 Cartridge, 12 Gauge Door Breaching M	10 ea
A059 Cartridge, 5.56mm Ball M855 10/Clip	10 ea
AX14 Primer, Percussion 12 Gauge W209	100 ea
M023 Charge, Demolition Block M112 1-1/4	8 ea
M456 Cord, Detonating PETN Type I Class E	250 feet
M980 Charge, Demolition Sheet 0.0831 Inch	2 rolls
M981 Charge, Demolition Sheet 0.125 Inch	10.5 rolls
M982 Charge, Demolition Sheet 0.161 Inch	20.5 rolls
MM30 Charge, Flexible 20 Gram PETN MK140	10 ea
MM44 Charge, Demolition Flexible Linear S	24 feet
MM45 Charge, Demolition Flexible Linear S	24 feet
MM46 Charge, Demolition Flexible Linear S	18 feet
MM47 Charge, Demolition Flexible Linear S	30 feet
MN52 MK154 Mod 0	24 rolls
MU40 Cord, Detonating 400 Grains per Foot	18 feet
MU42 Cord, Detonating 100 Grains per Foot	18 feet

RANGE/TRAINING AREA:

Facility Code 17962 MOUT Collective Training Facility (Small)
Facility Code 17963 MOUT Collective Training Facility (Large)
Facility Code 17830 Light Demolition Range

EQUIPMENT: Marine Assault Breacher's Kit (NSN: 4240-01-531-1165), Personal Protective Equipment, Shotgun (Mossberg Model 500, Remington 870, or Benelli 1014), Full Spectrum Battle Equipment (FSBE) TAMCN: C35012E; Configuration D

MATERIAL: Scientific Calculator, E-Silhouette Targets, Non-Metallic Prop Stick, Goodyear 330B Rubber, 1000 ml IV bags, 550 Cord, Spray Adhesive, Door (wood or metal), Door knobs, Windows (Double Hung, Plate, or Casement)

UNITS/PERSONNEL: Trauma qualified Corpsman

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: Marines conducting this event must be supervised by a qualified and certified Methods of Entry Breacher Supervisor.

EOD-IED-3301: Identify Explosive and Non-Explosive Components

SUPPORTED MET(S): None

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 12 months

CONDITION: Given a situation with explosive and non-explosive components, required EOD references, tools and equipment.

STANDARD: In order to accurately identify all explosive and non-explosive components.

EVENT COMPONENTS:

1. Don appropriate PPE to limit cross contamination.
2. Reference required publications.
3. Safe all explosive hazards
4. Positively identify all explosive and non-explosive components.
5. Bag and tag all components and record them on a master log.
6. Forward all components to the proper agency in accordance with all DOT standards.
7. Complete the reporting requirements.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

EQUIPMENT: EOD Robots, X-Ray systems, Hook and Line Kit, Bomb Suit, Inert Training Aids, EOD CBRNE Kit.

EOD-INTL-3401: Conduct Post Blast Analysis

SUPPORTED MET(S): None

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 12 months

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

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

EVENT COMPONENTS:

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

REFERENCES:

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

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
B643 Cartridge, 60mm High Explosive M888	1
C869 Cartridge, 81mm HE M889/M889A1 with	1
D529 Projectile, 155mm High Explosive M79	1
M023 Charge, Demolition Block M112 1-1/4	3
M032 Charge, Demolition Block TNT 1-Pound	3
M130 Cap, Blasting Electric M6	13
M591 Dynamite, Military M1	3

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

UNITS/PERSONNEL: Corpsman

EOD-INTL-3402: Perform Advanced Access Techniques

SUPPORTED MET(S): None

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

CONDITION: Given a situation, an explosive threat device, EOD tools and equipment.

STANDARD: In order to gain access to the explosive threat device.

EVENT COMPONENTS:

1. Establish a secure work environment.
2. Establish a command post.
3. Identify area to be accessed.
4. Brief team on plan of action.
5. Prepare required tools.
6. Don proper PPE.
7. Access specified area either energetically or by defeating sensors.
8. Debrief team.

REFERENCES:

1. 12 FAH-5 Physical Security Handbook
2. AEODPS 60 Series Automated EOD Publication System
3. MCO 3571.2_ Explosive Ordnance Disposal (EOD) Program

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
AX14 Primer, Percussion 12 Gauge W209	2
M456 Cord, Detonating PETN Type I Class E	10
M986 Sheet Explosive	3
MM48 Charge, Demolition Flexible Linear S	6 ft
MN52 MK154 Mod 0	1

RANGE/TRAINING AREA:

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

EOD-INTL-3403: Conduct Explosive Ordnance Disposal Reconnaissance

SUPPORTED MET(S): None

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: This is the initial step in any response action. The information gathered is used to determine the threat.

CONDITION: Given a situation, T/E, publications, training area, and publications.

STANDARD: In order to gather required information.

EVENT COMPONENTS:

1. Conduct publications research.
2. Identify explosive or non-explosive hazard.
3. Annotate measurements, key identification features, nomenclature, and color.
4. Determine a safe area.
5. Determine safeties that will be observed.
6. Determine safe direction of approach.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. FM 5-25 Explosives and Demolitions
3. MCO 3571.2 Explosive Ordnance Disposal (EOD) Program
4. MCO 8020.1 Handling, Transportation, Storage, Reclassification and Disposal of Class V(W) Material
5. MCWP 3-17.2 MAGTF Explosive Ordnance Disposal
6. MCWP 3-31.4 Marine Expeditionary Units (Special Operations Capable)
7. NAVSEA OP 5 Vol 1 Ammunition and Explosives/Ashore Safety Regulations of Handling, Storage, Production, Renovation and Shipping
8. NAVSEA SWO20-AC-SAF-010 Transportation and Storage Data for Ammunition, Explosives and Related Hazardous Materials
9. NAVSEA SWO60-AA-MMA-010 Demolition Materials

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17413 Field Training Area
Facility Code 17963 MOUT Collective Training Facility (Large)
Facility Code 17962 MOUT Collective Training Facility (Small)

EOD-NEUT-3501: Conduct Render Safe of Improvised Explosive Device

SUPPORTED MET(S): None

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 12 months

CONDITION: Given an IED, a course of action, T/E, demolition material, and a secure site.

STANDARD: To prevent device functioning by interrupting the firing train.

EVENT COMPONENTS:

1. Gather intelligence.
2. Prepare tools or equipment.
3. Emplace tools or equipment.
4. Utilize tools or equipment.
5. Remotely evaluate results.
6. Repeat as necessary until firing train functioning is interrupted.
7. Recover tools or equipment.
8. Complete the reporting requirements.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
A011 Cartridge, 12 Gauge #00 Buckshot M16	1
A091 Cartridge, Caliber .22 Ball Long Rif	1
A363 Cartridge, 9mm Ball M882	1
AA60 Cartridge, 12 Gauge #00 Buckshot	1

AA62 CTG, 12 GA, MK 274 UVS EOD USE	1
AA64 CTG, 12 GA, MK 276	1
AA66 CTG, 12 GA, MK278 NON-LETHAL	1
DWEC Cartridge, 12 Gauge, MK 277 MOD 0 (E	1
DWED CTG, 12 Gauge, MK 279 Steel Slug	1
DWEE CTG, 12 Gauge, MK 280 Aluminum Slug	1

RANGE/TRAINING AREA: Facility Code 17830 Light Demolition Range

EQUIPMENT: Hydrojet, Mineral Water Bottle, a Slim Jim, a Boot Banger, or a Head Shot

OTHER SUPPORT REQUIREMENTS: Medical and safety vehicle. Communications with Range Safety.

EOD-NEUT-3502: Conduct Render Safe of Conventional Explosive Hazards

SUPPORTED MET(S): None

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: A RSP (Render Safe Procedure) is dependant on the item, consists of specific actions required in order to make an explosive hazard safe for transport to a suitable disposal site.

CONDITION: Given explosive ordnance.

STANDARD: In order to make explosive hazard safe for transport to disposal site.

EVENT COMPONENTS:

1. Establish a safe area to operate from.
2. Identify environmental factors.
3. Conduct recon.
4. Identify hazard.
5. Determine protective measures.
6. Implement protective measures.
7. Identify procedure.
8. Identify T/E.
9. Identify Class V(W) required.
10. Conduct render safe procedure.
11. Submit reports.

REFERENCES:

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

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
M131 Cap, Blasting Non-Electric M7	8
M174 Cartridge, Caliber .50 Impulse Elect	2
M456 Cord, Detonating PETN Type I Class E	20 ft
M670 Fuse, Blasting Time M700	50 ft
ML04 Cutter, High Explosive MK23 Mod 0	2
ML05 Cutter, High Explosive MK24 Mod 0	2
MM44 Charge, Demolition Flexible Linear S	1 ft
MM52 Charge, Demolition Low Hazard MK144	1 ft
MN08 Igniter, Time Blasting Fuse with Sho	8

EOD-SPEC-3801: Gain Entry to Spaces Containing Explosive Devices

SUPPORTED MET(S): None

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: The purpose of this collective event is to defeat sensors to gain access.

CONDITION: Given a situation with an unknown explosive device, an EOD response element, required EOD references, tools and equipment.

STANDARD: Without changing the environment or disturbing the explosive device.

EVENT COMPONENTS:

1. Secure the area.
2. Search for secondary devices.
3. Identify the construction and entry ways of the space.
4. Select the best entry point.
5. Configure advanced tools and techniques for entry.
6. Execute plan.

REFERENCES:

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

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17311 Range Support Building

MATERIAL: Training IED with penalty. Space with multiple entryways.

UNITS/PERSONNEL: Corpsman or medical support.

EOD-SPEC-3802: Apply Specialized Explosive Techniques at Sensitive Sites

SUPPORTED MET (S): None

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: Using EOD advanced explosive experience and techniques in order to support SOF operations.

CONDITION: Given specialized explosives and equipment in a Special Operations (SO) mission environment.

STANDARD: To ensure requirements are met within specific time restraints.

EVENT COMPONENTS:

1. Calculate safe distance.
2. Select material, explosives, and initiation system.
3. Select technique.
4. Assemble system.
5. Initiate system.
6. Employ non standard initiating explosive.
7. Employ non standard specialized explosives.
8. Employ civilian explosive.
9. Employ civilian priming systems.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. FM 5-25 Explosives and Demolitions
3. JP 3-40 Joint Doctrine Combating Weapons of Mass Destruction
4. MCBul 8011 CLASS V(W) MATERIEL REQUIREMENTS FOR TRAINING, PROGRAMMED TESTING AND SECURITY
5. MCO 3571.2 Explosive Ordnance Disposal (EOD) Program
6. NAVSEA OP 5 Vol 1 Ammunition and Explosives/Ashore Safety Regulations of Handling, Storage, Production, Renovation and Shipping
7. Applicable Marine Corps Orders and Directives

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
A091 Cartridge, Caliber .22 Ball Long Rif	2
A363 Cartridge, 9mm Ball M882	2
AX14 Primer, Percussion 12 Gauge W209	4
DWEC Cartridge, 12 Gauge, MK 277 MOD 0 (E	2
M130 Cap, Blasting Electric M6	5
M131 Cap, Blasting Non-Electric M7	5
M456 Cord, Detonating PETN Type I Class E	25 ft
M474 Container, Demolition Charge MK1 Mod	1
M475 Container, Demolition Charge MK2 Mod	1

M476 Container, Demolition Charge MK3 Mod	1
M477 Container, Demolition Charge MK7 Mod	1
M478 Container, Demolition Charge MK7 Mod	1
M479 Container, Demolition Charge MK7 Mod	1
M480 Container, Demolition Charge MK7 Mod	1
M481 Container, Demolition Charge MK7 Mod	1
M482 Container, Demolition Charge MK7 Mod	1
M483 Container, Demolition Charge MK7 Mod	1
M484 Container, Demolition Charge MK7 Mod	1
M670 Fuse, Blasting Time M700	50 ft
M982 Charge, Demolition Sheet 0.161 Inch	3 ft
ML03 Firing Device, Demolition Multi-Purp	2
MM30 Charge, Flexible 20 Gram PETN MK140	2
MM41 Charge, Demolition Flexible Linear S	1 ft
MM42 Charge, Demolition Flexible Linear S	1 ft
MM43 Charge, Demolition Flexible Linear S	1 ft
MM44 Charge, Demolition Flexible Linear S	1 ft
MM45 Charge, Demolition Flexible Linear S	1 ft
MM46 Charge, Demolition Flexible Linear S	1 ft
MM47 Charge, Demolition Flexible Linear S	1 ft
MM48 Charge, Demolition Flexible Linear S	1 ft
MN08 Igniter, Time Blasting Fuse with Sho	7
MN52 MK154 Mod 0	2

EQUIPMENT: General purpose tool kit, Individual Assault Kit, Commercial Det Cord, Commercial Plastic Explosives, Commercial Blasting Caps, Commercial Boosters, Commercial Binary Explosives, Commercial Flex Linear Shape Charge, Commercial Explosive Cutting Tape (ECT)

MATERIAL: Electrical tape, Rigger Tape, Ammunitions and Ordnance for disposal operations

UNITS/PERSONNEL: All EOD personnel, however this standard is geared for EOD personnel that will support MARSOC missions

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: For additional references refer to Methods of Entry Handbook.

SPECIAL PERSONNEL CERTS: Graduate Basic EOD school Graduate Advanced Explosive Techniques Graduate Advanced Explosive Destruction techniques

EOD-SPEC-3803: Detect Hazards Using Advanced Tools and Techniques

SUPPORTED MET(S): None

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: Supporting a SOF unit executing a WMD proliferation mission the EOD tech must be able to detect and diagnose traces of chemical, biological and radiological weapons and/or components.

CONDITION: In a SOF mission environment utilizing detection TTPs and equipment.

STANDARD: To confirm or deny the presence of chemical, biological, and radiological items.

EVENT COMPONENTS:

1. Upon insertion determine the requirement for area monitoring.
2. Upon reaching the objective conduct area and point monitoring.
3. Upon identifying hazards take the appropriate actions to secure the hazard and protect the force.
4. Confirm that immediate actions taken have shielded or eliminated the hazard
5. Before extraction ensure that all personnel are not contaminated and any items recovered are clean or shielded.
6. Forward the finding to the appropriate agencies.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. DODDIR 3150.5 DOD Response to Improvised Nuclear Device (IND) Incidents
3. DODDIR 3150.8 DOD Response to Radiological Accidents
4. FM 3-11.4 Multiservice tactics, techniques, and procedures for nuclear, biological, and chemical (NBC) protection
5. JP 3-40 Joint Doctrine Combating Weapons of Mass Destruction
6. MCO 1510.101 Individual Training Standards System for Marine Corps Special Skills, Vol. II
7. MCO 3502.2 Marine Corps Special Skills Certification Program
8. MCO 3571.2 Explosive Ordnance Disposal (EOD) Program
9. MCWP 3-31.4 Marine Expeditionary Units (Special Operations Capable)
10. Op Order Annex C Appendix 13
11. SWOP Special Weapons Ordnance Publications

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

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

EQUIPMENT: The EOD tech must have available the standard T/E, point and area detection equipment from the TECHDIV and supporting command (i.e. SOCOM).

MISCELLANEOUS:

SPECIAL PERSONNEL CERTS: Basic EOD school, JNEOD, and recognized WMD courses

EOD-SPEC-3804: Access Explosive Devices

SUPPORTED MET(S): None

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: Supporting SOF operations the EOD technician must be able to perform missions requiring advanced tools and techniques in a non-permissive environment. This event is IED/hand entry centric.

CONDITION: In a SOF Mission environment utilizing the prescribed advanced tools and techniques.

STANDARD: In order to perform a successful procedure that results in EOD task and SOF mission accomplishment

EVENT COMPONENTS:

1. Prepare the mission specific equipment.
2. Insert with the mission specific equipment.
3. Utilize the appropriate tools and techniques in order to access explosive devices using hand, mechanical, thermal or energetic methods.
4. Research intelligence products for any established TTPs for devices common to the AO.
5. Select method for advanced access technique (hand, mechanical, energetic).
6. Access the device without producing unacceptable collateral damage.
7. Access the device without producing casualties from hostages or noncombatants that can not be evacuated.
8. Recover all tools to be used in future missions after access is completed.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. FM 5-25 Explosives and Demolitions
3. JP 3-40 Joint Doctrine Combating Weapons of Mass Destruction
4. MCO 3502.2 Marine Corps Special Skills Certification Program
5. MCWP 3-31.4 Marine Expeditionary Units (Special Operations Capable)
6. NAVSEA SWO60-AA-MMA-010 Demolition Materials
7. Op Order Annex C Appendix 13
8. Applicable Marine Corps Orders and Directives

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
A091 Cartridge, Caliber .22 Ball Long Rif	2
A363 Cartridge, 9mm Ball M882	2
AX14 Primer, Percussion 12 Gauge W209	4
DWEC Cartridge, 12 Gauge, MK 277 MOD 0 (E	2
M039 Charge, Demolition Cratering 40-Poun	1
M130 Cap, Blasting Electric M6	5
M131 Cap, Blasting Non-Electric M7	5
M421 Charge, Demolition Shaped M3 Series	1
M456 Cord, Detonating PETN Type I Class E	25 ft
M474 Container, Demolition Charge MK1 Mod	1
M475 Container, Demolition Charge MK2 Mod	1
M476 Container, Demolition Charge MK3 Mod	1
M477 Container, Demolition Charge MK7 Mod	1
M478 Container, Demolition Charge MK7 Mod	1
M479 Container, Demolition Charge MK7 Mod	1
M480 Container, Demolition Charge MK7 Mod	1
M481 Container, Demolition Charge MK7 Mod	1
M482 Container, Demolition Charge MK7 Mod	1

M483 Container, Demolition Charge MK7 Mod	1
M487 Container, Demolition Charge MK8 Mod	1
M670 Fuse, Blasting Time M700	50 ft
M982 Charge, Demolition Sheet 0.161 Inch	3 ft
ML03 Firing Device, Demolition Multi-Purp	2
MM30 Charge, Flexible 20 Gram PETN MK140	2
MM41 Charge, Demolition Flexible Linear S	1
MM42 Charge, Demolition Flexible Linear S	1
MM43 Charge, Demolition Flexible Linear S	1
MM44 Charge, Demolition Flexible Linear S	1
MM45 Charge, Demolition Flexible Linear S	1
MM46 Charge, Demolition Flexible Linear S	1
MM47 Charge, Demolition Flexible Linear S	1
MM47 Charge, Demolition Flexible Linear S	1
MM48 Charge, Demolition Flexible Linear S	1
MN08 Igniter, Time Blasting Fuse with Sho	7
MN52 MK154 Mod 0	1

EQUIPMENT: This task requires EOD specific advanced equipment fielded by the NAVEODTECHDIV and supporting commands (i.e. SOCOM).

MISCELLANEOUS:

SPECIAL PERSONNEL CERTS: Graduate of the Basic EOD School, Advanced IED Training, Electronics Course, Currently serving in an EOD billet.

EOD-SPEC-3805: Diagnose Hazards Using Advanced Tools and Techniques

SUPPORTED MET(S): None

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

DESCRIPTION: Supporting a SOF unit executing a WMD proliferation mission the EOD tech must be able to detect and diagnose traces of chemical, biological and radiological weapons and/or components.

CONDITION: In a special operations/counter proliferation mission environment.

STANDARD: In order to identify and mitigate hazards associated with WMDs and special weapons.

EVENT COMPONENTS:

1. Upon detection of hazard utilize diagnostic equipment to id the specific threat.
2. Ensure tools are operable and calibrated if required.
3. Conduct mission analysis, determine potential hazards and select required tools/detectors.
4. Select and utilize appropriate PPE.
5. Establish hazard area and EPDS IAW SOP.
6. Conduct monitoring to detect hazard.
7. Once hazard is detected diagnose hazard to confirm or deny the threat.
8. Report the detection and diagnosis of material to higher.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. DODDIR 3150.5 DOD Response to Improvised Nuclear Device (IND) Incidents
3. DODDIR 3150.8 DOD Response to Radiological Accidents
4. JP 3-40 Joint Doctrine Combating Weapons of Mass Destruction
5. SWOP Special Weapons Ordnance Publications
6. Applicable Marine Corps Orders and Directives

SUPPORT REQUIREMENTS:

EQUIPMENT: This training will require source training aids in order to provide realistic training while using detectors.

3004. 4000-LEVEL EVENTS

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

SUPPORTED MET(S): None

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 12 months

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

CONDITION: Given a requirement.

STANDARD: Ensuring all explosive hazards are mitigated.

EVENT COMPONENTS:

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

REFERENCES:

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

EOD-ADMN-4002: Provide full spectrum EOD direct and general support

SUPPORTED MET(S): None

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: An EOD Section supports a Battalion size element, Marine Expeditionary (MEU), Marine Aircraft Group (MAG), Forward Operating Base (FOB), multiple Forward Arming and Refueling Points (FARP), and/or Marine Corps Base or Station.

CONDITION: Given a mission.

STANDARD: Ensuring 24 hour support is maintained.

EVENT COMPONENTS:

1. Analyze mission.
2. Review Ordnance Order of Battle.
3. Task organize EOD personnel and equipment.

REFERENCES:

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

EOD-CBRN-4101: Conduct Emergency Personnel Decontamination Station (EPDS) Operations

SUPPORTED MET(S): None

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

CONDITION: Given a situation.

STANDARD: To eliminate the spread of contamination from personnel and equipment exposed in a CBRN environment.

EVENT COMPONENTS:

1. Establish initial exclusion area and downwind hazard distance
2. Perform detector test in proposed CP EPDS site.
3. Establish Hotline.
4. Prepare decons.
5. Setup EPDS.
6. Select and don protective clothing.
7. Process personnel and equipment.

REFERENCES:

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

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

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

EOD-INTL-4201: Conduct Ordnance Exploitation

SUPPORTED MET(S): None

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: This skill set includes Technical exploitation, inerting, disassembly, and/or stripping.

CONDITION: Given an explosive ordnance item.

STANDARD: In order to gather intelligence.

EVENT COMPONENTS:

1. Determine type of explosive ordnance.
2. Determine exploitation method.
3. Conduct operation.
4. Report procedures.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. DODDIR 3150.8 DOD Response to Radiological Accidents
3. FM 3-11.4 Multiservice tactics, techniques, and procedures for nuclear, biological, and chemical (NBC) protection
4. FM 5-25 Explosives and Demolitions
5. JP 3-40 Joint Doctrine Combating Weapons of Mass Destruction
6. MCO 3571.2 Explosive Ordnance Disposal (EOD) Program
7. MCO 8023.3A Personnel Qualification and Certification Program for Class V Ammunition and Explosives
8. MCO 8027.1 Interservice Responsibilities for Explosive Ordnance Disposal
9. NAVSEA SWO60-AA-MMA-010 Demolition Materials
10. Op Order Annex C Appendix 13

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
B542 Cartridge, 40mm HEDP M430/M430A1 Lin	1
D529 Projectile, 155mm High Explosive M79	1

RANGE/TRAINING AREA:

Facility Code 17430 Impact Area Dudded
Facility Code 17413 Field Training Area
Facility Code 17830 Light Demolition Range

EOD-INTL-4202: Support Counter WMD Operations

SUPPORTED MET(S): None

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 12 months

CONDITION: Given a mission.

STANDARD: In order to mitigated risk to personnel, property, and operations.

EVENT COMPONENTS:

1. Locate WMD material.
2. Identify WMD material.
3. Recover WMD material.
4. Assist in the disposal of WMD device/material.
5. If applicable, leak, seal, and package of WMD device/material.

REFERENCES:

1. 12 FAH-5 Physical Security Handbook
2. AEODPS 60 Series Automated EOD Publication System
3. CFR 49 Hazardous Materials

4. DODDIR 3150.5 DOD Response to Improvised Nuclear Device (IND) Incidents
5. DODDIR 3150.8 DOD Response to Radiological Accidents
6. DoD 5100.76 Physical Security of AA&E
7. FM 3-11.4 Multiservice tactics, techniques, and procedures for nuclear, biological, and chemical (NBC) protection
8. FM 5-25 Explosives and Demolitions
9. JP 3-40 Joint Doctrine Combating Weapons of Mass Destruction
10. MCBul 8011 CLASS V(W) MATERIEL REQUIREMENTS FOR TRAINING, PROGRAMMED TESTING AND SECURITY
11. MCO 3440.7 Marine Corps Support to Civil Authorities
12. MCO 3502.2 Marine Corps Special Skills Certification Program
13. MCO 3571.2_ Explosive Ordnance Disposal (EOD) Program
14. MCO 8020.1 Handling, Transportation, Storage, Reclassification and Disposal of Class V(W) Material
15. MCO 8020.10 USMC Ammo & Explosives Safety Policy
16. NAVSEA OP 2165 Transportation Safety Handbook for AMMO & Explosives
17. NAVSEA OP 5 Vol 1 Ammunition and Explosives/Ashore Safety Regulations of Handling, Storage, Production, Renovation and Shipping
18. NAVSEA SW023-AH-WHM-010 Handling Ammunition and Explosives with Industrial Material Handling Equipment (MHE)
19. NAVSEA SW020-AC-SAF-010 Transportation and Storage Data for Ammunition, Explosives and Related Hazardous Materials
20. Op Order Annex C Appendix 13
21. SWOP Special Weapons Ordnance Publications
22. Applicable Marine Corps Orders and Directives
23. National Response Plan

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17413 Field Training Area

EOD-SUPR-4301: Establish a Command Post

SUPPORTED MET(S): None

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

CONDITION: Given a situation.

STANDARD: In order to provide on scene command and control.

EVENT COMPONENTS:

1. Select site.
2. Determine wind direction.
3. Set up equipment.
4. Prep down range team.
5. Coordinate with on scene commander.

REFERENCES:

1. CFR 49 Hazardous Materials
2. DODDIR 3150.5 DOD Response to Improvised Nuclear Device (IND) Incidents
3. DODDIR 3150.8 DOD Response to Radiological Accidents
4. MCO 3440.7 Marine Corps Support to Civil Authorities

5. MCO 3571.2 Explosive Ordnance Disposal (EOD) Program
6. MCO 8027.1 Interservice Responsibilities for Explosive Ordnance Disposal
7. MCRP 3-17.2 Multiservice Procedures for Explosive Ordnance Disposal (NTP) in a Joint Environment
8. MCWP 3-17.2 MAGTF Explosive Ordnance Disposal
9. MCWP 3-31.4 Marine Expeditionary Units (Special Operations Capable)
10. SWOP Special Weapons Ordnance Publications
11. Applicable Marine Corps Orders and Directives
12. National Response Plan

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17963 MOUT Collective Training Facility (Large)
Facility Code 17962 MOUT Collective Training Facility (Small)
Facility Code 17330 Covered Training Area
Facility Code 17413 Field Training Area
Facility Code 17932 Decontamination Training Site
Facility Code 17230 Gas Chamber

EQUIPMENT: ALL CBRNE EQUIPMENT IN T/E AND ALL EXPENDABLES REQUIRED.

EOD-SUPV-4302: Plan and Control Simultaneous Operations

SUPPORTED MET(S): None

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 12 months

CONDITION: Given a requirement.

STANDARD: To ensure all explosive hazards are mitigated and the operations is conducted in a safe manner.

EVENT COMPONENTS:

1. Conduct mission analysis.
2. Write an EOD operations order for the specific event.
3. Gather appropriate resources to include personnel, T/E, Class V, vehicle, communications, and medical support.
4. Execute the mission.
5. Validate all explosive hazards have been mitigated.
6. Debrief all personnel.
7. Submit the required reports.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
 2. MCO 3571.2 Explosive Ordnance Disposal (EOD) Program
 3. MCWP 3-17.2 MAGTF Explosive Ordnance Disposal
-

3005. 5000-LEVEL EVENTS

EOD-ADMN-5001: Provide full spectrum EOD MAGTF Support

SUPPORTED MET(S): None

EVALUATION-CODED: YES SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: An EOD platoon supports a regimental size element, Marine Air Ground Task Force, Marine Expeditionary Brigade, and/or Marine Aircraft Wing.

CONDITION: Given a mission.

STANDARD: Ensuring 24 hour support is maintained.

EVENT COMPONENTS:

1. Analyze mission.
2. Review Ordnance Order of Battle.
3. Task organize EOD personnel and equipment.

REFERENCES:

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

EOD-NEUT-5101: Conduct Large Scale Explosive Ordnance Operations

SUPPORTED MET(S): None

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 1 month

CONDITION: Given a situation.

STANDARD: To ensure mitigation of a highly saturated area.

EVENT COMPONENTS:

1. Determine disposition.
2. Select disposal site.
3. Establish holding area, if applicable.
4. Determine demolition material requirements.
5. Calculate safe distance.
6. Prepare disposal materials.
7. Verify complete disposal.
8. Submit report.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. CFR 49 Hazardous Materials
3. MCO 3440.7 Marine Corps Support to Civil Authorities
4. NAVSEA OP 5 Vol 1 Ammunition and Explosives/Ashore Safety Regulations of Handling, Storage, Production, Renovation and Shipping
5. NAVSEA SWO60-AA-MMA-010 Demolition Materials
6. Op Order Annex C Appendix 13

7. Applicable Marine Corps Orders and Directives
8. Military Munitions Rule

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
G940 Grenade, Hand Green Smoke M18	1
G950 Grenade, Hand Red Smoke M18	2
M131 Cap, Blasting Non-Electric M7	30
M456 Cord, Detonating PETN Type I Class E	1000 ft
M670 Fuse, Blasting Time M700	500 ft
M757 Charge, Assembly Demolition M183 Com	2
M980 Charge, Demolition Sheet 0.0831 Inch	38 ft
MN08 Igniter, Time Blasting Fuse with Sho	30

RANGE/TRAINING AREA: Facility Code 17830 Light Demolition Range

EQUIPMENT: Demolition Kit

UNITS/PERSONNEL: Corpsman with Trauma Training

3006. 6000-LEVEL EVENTS

EOD-ADMN-6001: Provide full spectrum EOD MEF Support

SUPPORTED MET(S): None

EVALUATION-CODED: YES SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: An EOD company supports a MEF size element.

CONDITION: Given a mission.

STANDARD: Ensuring 24 hour support is maintained.

EVENT COMPONENTS:

1. Analyze mission.
2. Review Ordnance Order of Battle.
3. Task organize EOD personnel and equipment.

REFERENCES:

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

3007. 7000-LEVEL EVENTS

EOD-SPEC-7001: Provide EOD assault support to SOF

SUPPORTED MET(S): None

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: Providing EOD support to USSOCOM upon identification of an explosive threat. The EOD technician must assess the threat, formulate a course of action, and conduct such action in order to provide the minimum loss of momentum to the operation while guarding against friendly loss of life or injury.

CONDITION: Given a mission.

STANDARD: In order to neutralize and/or destroy the explosive threat.

EVENT COMPONENTS:

1. Confirm or deny the suspect threat.
2. Establish countermeasures.
3. Enforce Countermeasures.
4. Search for secondary threats.
5. Eliminate threat(s).
6. Confirm positive action on the threat.
7. Conduct SSE.
8. Recover tools and equipment.
9. Continue mission.

REFERENCES:

1. FM 5-25 Explosives and Demolitions
2. MCO 1510.101 Individual Training Standards System for Marine Corps Special Skills, Vol. II
3. MCO 3502.2 Marine Corps Special Skills Certification Program
4. MCO 8010.1 Class V(W) SUP FMF CBT OP
5. MCWP 3-31.4 Marine Expeditionary Units (Special Operations Capable)
6. NAVSEA SWO60-AA-MMA-010 Demolition Materials
7. Applicable Marine Corps Orders and Directives

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17963 MOUT Collective Training Facility (Large)
Facility Code 17830 Light Demolition Range

ROOMS/BUILDINGS: MOUT Facility Breaching Range

EOD-SPEC-7002: Conduct EOD operations in support of advanced Special Operations

SUPPORTED MET(S): None

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 1 month

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

CONDITION: Given a mission.

STANDARD: In order to successfully integrate into an ASO/TSO qualified team.

EVENT COMPONENTS:

1. Configure equipment.
2. Prepare clothing and equipment, in accordance with regional guidance
3. Gain access to target site.
4. Conduct EOD mission without being compromised.
5. Brief Chain of Command.

REFERENCES:

1. MCO 3502.2 Marine Corps Special Skills Certification Program
2. MCWP 3-31.4 Marine Expeditionary Units (Special Operations Capable)
3. Applicable Marine Corps Orders and Directives

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
L275 Signal, Smoke-Illumination Marine Or	1

AIRCRAFT: The Command must coordinate all aircraft requirements to support the airborne insertions skills.

EQUIPMENT: Life support equipment i.e. para/scuba must be maintained and provided from the command for EOD personnel.

MISCELLANEOUS:

SPECIAL PERSONNEL CERTS: Basic Airborne, HRST, SCUBA

EOD T&R MANUAL

CHAPTER 4

MOES EVENTS

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EOD T&R MANUAL

CHAPTER 4

MOES EVENTS

4000. PURPOSE. This chapter details the individual Methods of Entry events that pertain to selected individuals from the following MOS's; 0311, 0321, 0369, 2305, 2336, 5815, and 5816. This training is designed to provide basic methods of entry, advanced methods of entry, and supervisory skill sets to MARSOC, Special Operations Training Group, Force Reconnaissance, Marine Security Force Battalions, Military Police Special Response Teams, and Explosive Ordnance Disposal Teams.

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

This chapter includes all collective events. A collective event is an event that an established unit would perform in combat. These events are linked to a Service-Level Mission Essential Task (MET). This linkage tailor's collective and individual training for the selected MET. Each collective event is composed of component events that provide the major actions required. This may be likely actions, list of functions, or procedures. Accomplishment and proficiency level required of component events are determined by the event standard.

4001. ADMINISTRATIVE NOTES. T&R events are coded for ease of reference. Each event has a 4-4-4 digit identifier. The first four digits represent the occupational field or military occupational field (IOPS, or 9934). This chapter contains 9934 events. The second four digits represent the functional or duty area. The last four digits represent the level, and identifier number of the event. Every individual event has an identifier number from 001 to 999.

4002. INDEX OF INDIVIDUAL EVENTS

2000 LEVEL			
Event Code	E-Coded	Event	Page
MOES-BCHR-2001	Yes	Plan a Dynamic Entry	4-4
MOES-BCHR-2002	Yes	Prepare for a Dynamic Entry	4-4
MOES-BCHR-2003	Yes	Prepare a Charge Report	4-6
MOES-BCHR-2004	Yes	Conduct an Explosive Breach	4-7
MOES-BCHR-2005	Yes	Conduct a Mechanical Breach	4-8
MOES-BCHR-2006	Yes	Conduct a Ballistic Breach	4-9
MOES-BCHR-2007	Yes	Conduct a Thermal Breach	4-10
MOES-BCHS-2101	Yes	Plan Breacher Sustainment Training	4-11
MOES-BCHS-2102	Yes	Supervise Breacher Sustainment Training	4-12

4003. 2000-LEVEL EVENTS

MOES-BCHR-2001: Plan a Dynamic Entry

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 6 months

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

MOS PERFORMING: 0311, 0321, 0369, 2305, 2336, 5815, 5816

BILLETS: Methods of Entry Breacher, Methods of Entry Breacher Supervisor

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: With the aid of reference, given the requirement and intelligence.

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

PERFORMANCE STEPS:

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

REFERENCES:

1. MCRP 5-12.1C Risk Management (Feb 01)
2. MCWP 5-1 Marine Corps Planning Process
3. MOES-BL Methods of Entry School Breacher Logbook
4. Unit SOP Unit SOP

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: Marines conducting this event must be supervised by a qualified and certified Methods of Entry Breacher Supervisor.

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

MOES-BCHR-2002: Prepare for a Dynamic Entry

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 6 months

DESCRIPTION: This event encompasses the preparations conducted concurrently with mission planning and immediately following the completion of planning. The Breacher is expected to use the following to accomplish this task:

electric priming system, nonelectric priming system, Det Cord Loop Charge, Satellite Charge, Water Charge, Window Charge, Slider Charge, Slant Charge, Oval Charge, Ghostbuster Charge, Det Cord Linear Charge, Hinge Charge, Strip Charge, "C" Charge.

MOS PERFORMING: 0311, 0321, 0369, 2305, 2336, 5815, 5816

BILLETS: Methods of Entry Breacher, Methods of Entry Breacher Supervisor

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: With the aid of reference and given the requirement with intelligence.

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

PERFORMANCE STEPS:

1. Gather explosive materials
2. Determine mechanical equipment required
3. Construct charges
4. Construct priming systems
5. Prepare mechanical equipment
6. Prepare ballistic equipment
7. Prepare thermal equipment
8. Conduct a breacher's brief
9. Conduct rehearsals
10. Conduct inspections

REFERENCES:

1. LMT Rebar Cutter Assembly Operators Manual
2. MOES-BL Methods of Entry School Breacher Logbook
3. STIHL 510/760 STIHL TS 510, 760 Instruction Manual
4. TCTK - 2006 Tactical Cutting Torch Kits Operating Instructions Manual (July 2006)
5. TM 10003A/07172A/09081A-13&P Remington and Mossberg Shotgun Operators Manual
6. TM 10698A-10/1 M1014A Operators Manual
7. TM 10698A-23B&P/2 M1014 Shotgun Maintenance Manual
8. Unit SOP Unit SOP

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
AX14 Primer, Percussion 12 Gauge W209	100
M023 Charge, Demolition Block M112 1-1/4	8 each
M456 Cord, Detonating PETN Type I Class E	250 feet
M980 Charge, Demolition Sheet 0.0831 Inch	2 rolls
M981 Charge, Demolition Sheet 0.125 Inch	10.5 rolls
M982 Charge, Demolition Sheet 0.161 Inch	20.5 rolls
MM30 Charge, Flexible 20 Gram PETN MK140	10 ea
MM44 Charge, Demolition Flexible Linear S	24 feet
MM45 Charge, Demolition Flexible Linear S	24 feet

MM46 Charge, Demolition Flexible Linear S 18 feet
MM47 Charge, Demolition Flexible Linear S 30 feet
MM51 Charge, Demolition Low Hazard MK143 30 feet
MM52 Charge, Demolition Low Hazard MK144 18 feet
MN52 MK154 Mod 0 24 rolls
MU40 Cord, Detonating 400 Grains per Foot 18 feet
MU42 Cord, Detonating 100 Grains per Foot 18 feet

RANGE/TRAINING AREA: Facility Code 17830 Light Demolition Range

EQUIPMENT: Marine Assault Breacher's Kit (NSN: 4240-01-531-1165), Personal Protective Equipment, Shotgun (Mossberg Model 500, Remington 870, or Benelli 1014), Full Spectrum Battle Equipment (FSBE) TAMCN: C35012E; Configuration D

MATERIAL: Scientific Calculator, E-Silhouette Targets, Non-Metallic Prop Stick, Goodyear 330B Rubber, 1000 ml IV bags, 550 Cord, Spray Adhesive, Door (wood or metal), Door knobs, Windows (Double Hung, Plate, or Casement)

UNITS/PERSONNEL: Trauma qualified Corpsman

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: Marines conducting this event must be supervised by a qualified and certified Methods of Entry Breacher Supervisor.

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

MOES-BCHR-2003: Prepare a Charge Report

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 6 months

DESCRIPTION: The Breacher is required to maintain a record of each charge he employs. The charge report is a standard format that allows the breacher to accomplish this task.

MOS PERFORMING: 0311, 0321, 0369, 2305, 2336, 5815, 5816

BILLETS: Methods of Entry Breacher, Methods of Entry Breacher Supervisor

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given the requirement and intelligence.

STANDARD: To ensure data entry is completed with 100% accuracy.

PERFORMANCE STEPS:

1. Determine the required entries
2. Enter the pre-mission data

3. Enter the post-mission data
4. Retain the completed data

REFERENCES:

1. MOES-BL Methods of Entry School Breacher Logbook

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: Marines conducting this event must be supervised by a qualified and certified Methods of Entry Breacher Supervisor.

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

MOES-BCHR-2004: Conduct an Explosive Breach

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 6 months

DESCRIPTION: This event encompasses the Breacher's actions in the Last Covered and Concealed Position (LCC), actions on the objective, and actions immediately following conclusion of the assault. The Breacher is expected to use the following to accomplish this task: electric priming system, nonelectric priming system, Det Cord Loop Charge, Satellite Charge, Water Charge, Window Charge, Slider Charge, Slant Charge, Oval Charge, Ghostbuster Charge, Det Cord Linear Charge, Hinge Charge, Strip Charge, "C" Charge.

MOS PERFORMING: 0311, 0321, 0369, 2305, 2336, 5815, 5816

BILLETS: Methods of Entry Breacher, Methods of Entry Breacher Supervisor

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given the requirement, charge, target, and intelligence.

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

PERFORMANCE STEPS:

1. Prepare to employ a charge
2. Employ a charge
3. Conduct post-assault actions

REFERENCES:

1. MOES-BL Methods of Entry School Breacher Logbook
2. Unit SOP Unit SOP

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17830 Light Demolition Range

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

MATERIAL: Scientific Calculator, E-Silhouette Targets, Non-Metallic Prop Stick, Goodyear 330B Rubber, 1000 ml IV bags, 550 Cord, Spray Adhesive, Door (wood or metal), Door knobs, Windows (Double Hung, Plate, or Casement)

UNITS/PERSONNEL: Trauma qualified Corpsman

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: Marines conducting this event must be supervised by a qualified and certified Methods of Entry Breacher Supervisor. Commanders will ensure that Marines conducting these events are in compliance with NAVMC Directive 5100.8: MARINE CORPS OCCUPATIONAL SAFETY AND HEALTH (OSH) PROGRAM MANUAL; Chapter 16.

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

MOES-BCHR-2005: Conduct a Mechanical Breach

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 6 months

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

MOS PERFORMING: 0311, 0321, 0369, 2305, 2336, 5815, 5816

BILLETS: Methods of Entry Breacher, Methods of Entry Breacher Supervisor

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

INITIAL TRAINING SETTING: FORMAL

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

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

PERFORMANCE STEPS:

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

REFERENCES:

1. MOES-BL Methods of Entry School Breacher Logbook

2. STIHL 510/760 STIHL TS 510, 760 Instruction Manual
3. Unit SOP Unit SOP

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17830 Light Demolition Range

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

MATERIAL: Doors (wood or metal), Door knobs, Deadbolts, Windows (Double Hung, Plate, or Casement)

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: Marines conducting this event must be supervised by a qualified and certified Methods of Entry Breacher Supervisor.

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

MOES-BCHR-2006: Conduct a Ballistic Breach

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 6 months

DESCRIPTION: This event encompasses the Breacher's actions in the Last Covered and Concealed Position (LCC), actions on the objective, and actions immediately following conclusion of the assault. The Breacher is expected to use the Rebar Elimination Attachment (REA) with either the M16 or M4 service rifle and one of the following shotguns to accomplish this task: Model 590 Mossberg, Model 1200 Remington, M1014 Combat Shotgun.

MOS PERFORMING: 0311, 0321, 0369, 2305, 2336, 5815, 5816

BILLETS: Methods of Entry Breacher, Methods of Entry Breacher Supervisor

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given the requirement, ballistic equipment, target, and intelligence.

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

PERFORMANCE STEPS:

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

REFERENCES:

1. LMT Rebar Cutter Assembly Operators Manual
2. MOES-BL Methods of Entry School Breacher Logbook
3. TM 10003A/07172A/09081A-13&P Remington and Mossberg Shotgun Operators Manual
4. TM 10698A-10/1 M1014A Operators Manual
5. TM 10698A-23B&P/2 M1014 Shotgun Maintenance Manual
6. Unit SOP Unit SOP

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
A024 Cartridge, 12 Gauge Door Breaching M	10 ea
A059 Cartridge, 5.56mm Ball M855 10/Clip	10 ea

RANGE/TRAINING AREA: Facility Code 17830 Light Demolition Range

EQUIPMENT: Marine Assault Breacher's Kit (NSN: 4240-01-531-1165), Personal Protective Equipment, Shotgun (Mossberg Model 500, Remington 870, or M1014), Full Spectrum Battle Equipment (FSBE) TAMCN: C35012E; Configuration D

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

UNITS/PERSONNEL: Trauma qualified Corpsman

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: Marines conducting this event must be supervised by a qualified and certified Methods of Entry Breacher Supervisor.

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

MOES-BCHR-2007: Conduct a Thermal Breach

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 6 months

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

MOS PERFORMING: 0311, 0321, 0369, 2305, 2336, 5815, 5816

BILLETS: Methods of Entry Breacher, Methods of Entry Breacher Supervisor

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given the requirement, thermal equipment, target, and intelligence.

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

PERFORMANCE STEPS:

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

REFERENCES:

1. MOES-BL Methods of Entry School Breacher Logbook
2. TCTK - 2006 Tactical Cutting Torch Kits Operating Instructions Manual (July 2006)
3. Unit SOP Unit SOP

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17830 Light Demolition Range

EQUIPMENT: Marine Assault Breacher's Kit (NSN: 4240-01-531-1165), Personal Protective Equipment, Tactical Cutting Torch, Full Spectrum Battle Equipment (FSBE) TAMCN: C35012E; Configuration D

MATERIAL: Maritime ship hatch: NSNs 2040009928453 and/or 2040005556380, 4 foot x 8 foot sheet of 1/4 inch hot rolled steel, or other suitable substitute

UNITS/PERSONNEL: Trauma qualified Corpsman

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: Marines conducting this event must be supervised by a qualified and certified Methods of Entry Breacher Supervisor.

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

MOES-BCHS-2101: Plan Breacher Sustainment Training

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

DESCRIPTION: This event identifies all planning aspects of Breacher sustainment training.

MOS PERFORMING: 0321, 0369, 2305, 2336, 5815, 5816

BILLETS: Methods of Entry Breacher Supervisor

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: With the aid of reference and given the requirement.

STANDARD: In order to satisfy Breacher training and readiness requirements.

PERFORMANCE STEPS:

1. Analyze mission requirements
2. Determine unit training goals
3. Prepare a training plan
4. Coordinate training requirements
5. Conduct an Operational Risk Assessment (ORA)
6. Prepare a Letter of Instruction (LOI)

REFERENCES:

1. MCO 3502.3 Marine Expeditionary Unit (Special Operations Capable)
2. MCO 3570.1B Range Safety (Jun 03)
3. MCRP 3-0A Unit Training Management Guide
4. MCRP 3-0B How to Conduct Training
5. MOES-BL Methods of Entry School Breacher Logbook
6. NAVMC DIR 5100.8 Marine Corps Occupational Safety and Health (OSH) Program Manual (May 06)
7. Unit SOP Unit SOP

MISCELLANEOUS:

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

MOES-BCHS-2102: Supervise Breacher Sustainment Training

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

DESCRIPTION: This event encompasses all aspects of supervising Breacher sustainment training.

MOS PERFORMING: 0321, 0369, 2305, 2336, 5815, 5816

BILLETS: Methods of Entry Breacher Supervisor

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: With the aid of reference and given the requirement.

STANDARD: In order to ensure individual and unit proficiency in required Mission Essential Tasks (METs).

PERFORMANCE STEPS:

1. Conduct live fire supervision
2. Assess unit proficiency

3. Maintain training records
4. Conduct After Action Reviews (AARs)

REFERENCES:

1. MCO 3570.1B Range Safety (Jun 03)
2. MCRP 3-0A Unit Training Management Guide
3. MCRP 3-0B How to Conduct Training
4. MOES-BL Methods of Entry School Breacher Logbook
5. Unit SOP Unit SOP

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17830 Light Demolition Range

EQUIPMENT: Marine Assault Breacher's Kit (NSN: 4240-01-531-1165), Personal Protective Equipment, Shotgun (Mossberg Model 500, Remington 870, or M1014), Full Spectrum Battle Equipment (FSBE) TAMCN: C35012E; Configuration D

UNITS/PERSONNEL: Trauma qualified Corpsman

MISCELLANEOUS:

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

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 the Explosive Ordnance Disposal Officer. These events are linked to a service-level Mission Essential Tasks (MET). This linkage tailor's individual training for the selected MET. 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. ADMINISTRATIVE NOTES. T&R events are coded for ease of reference. Each event has a 4-4-4 digit identifier. The first four digits represent the occupational field or military occupational field (IOPS, or 9934). This chapter contains 9934 events. The second four digits represent the functional or duty area. The last four digits represent the level, and identifier number of the event. Every individual event has an identifier number from 001 to 999.

5002. 2000 INDEX OF INDIVIDUAL EVENTS

Event Code	E-Coded	Event	Page
		2000 LEVEL	
2305-ADMN-2001	No	Prepare a MAGTF EOD Operational Plan	5-5
2305-ADMN-2002	No	Manage EOD Reporting	5-5
2305-ADMN-2003	No	Manage Class V	5-6
2305-ADMN-2004	No	Comply with the Military Munitions Rule	5-6
2305-ADMN-2005	No	Manage Standing Operating Procedures (SOP)	5-7
2305-ADMN-2006	No	Manage Explosive Ordnance Disposal Administration	5-7
2305-ADMN-2007	No	Manage Explosive Ordnance Disposal Personnel	5-8
2305-ADMN-2008	No	Manage Explosive Ordnance Disposal Readiness Program	5-8
2305-ADMN-2009	No	Manage Explosive Ordnance Disposal Equipment	5-9
2305-ADMN-2010	No	Manage Explosive Ordnance Disposal Operations	5-10
2305-DEMO-2101	No	Employ Improvised Disruption Charges	5-10
2305-DEMO-2102	No	Employ Commercial and/or Foreign Military Explosives	5-11
2305-IED-2201	No	Employ electronic countermeasures	5-12
2305-IED-2202	No	Manage Improvised Explosive Device (IED) responses	5-13
2305-INTL-2302	No	Analyze Advanced Improvised Explosive Device Electronic Components	5-13
2305-INTL-2303	No	Support EOD Intelligence Preparation of Battlefield	5-14
2305-INTL-2304	No	Manage Explosive Ordnance Stripping Operations	5-14
2305-INTL-2305	No	Manage Disassembly Operations	5-15
2305-INTL-2306	No	Manage Inerting operations	5-15
2305-INTL-2307	No	Manage technical exploitation	5-16
2305-INTL-2308	No	Conduct a Explosive Mishap Investigation	5-17
2305-NEUT-2401	No	Remove lodged projectile from a gun tube	5-17
2305-NEUT-2402	No	Neutralize ordnance by low order detonation	5-18
2305-NEUT-2403	No	Download U.S. and Foreign Explosive Ordnance from Weapon Systems	5-19
2305-NEUT-2404	No	Desensitize conventional/homemade explosives	5-20
2305-NEUT-2405	No	Employ Vehicle Access Charges	5-20
2305-NEUT-2406	No	Employ Stand off Munitions Ordnance Disruption	5-21
2305-NEUT-2407	No	Employ volumetric charges	5-22
2305-OPS-2501	No	Manage WMD Operations	5-23
2305-OPS-2502	No	Manage AFTP Operations	5-24
2305-OPS-2503	No	Employ advanced access/disablement techniques	5-24
2305-OPS-2504	No	Operate in confined spaces	5-25
2305-SOF-2601	No	Provide EOD Assault Support to SOF	5-25
2305-SOF-2602	No	Conduct target analysis	5-26
2305-SOF-2603	No	Conduct applied explosive techniques	5-27
2305-SOF-2604	No	Identify home made explosive and precursors	5-28
2305-SOF-2605	No	Perform detonator and switch defeat	5-29
2305-SOF-2606	No	Perform alarm defeat	5-29
2305-SOF-2607	No	Access closed containers (Hand Entry)	5-30
2305-SOF-2608	No	Prepare EOD equipment for SOF employment	5-30
2305-SOF-2609	No	Conduct Clandestine operations	5-31

2305-SOF-2610	No	Conduct an EOD threat assessment	5-32
2305-SOF-2611	No	Conduct precision disruption	5-32
2305-SOF-2612	No	Conduct precision access	5-33
2305-SOF-2613	No	Advise EOD Special Operations support	5-33
2305-SUPR-2701	No	Direct conventional ordnance Operations	5-34
2305-SUPR-2702	No	Direct CBRN operations	5-34
2305-SUPR-2703	No	Direct EOD Intelligence operations	5-35
2305-TOOL-2801	No	Employ the MK 42 Medium Directional Energetic Tool (MDET)	5-35
2305-TOOL-2802	No	Employ advanced radiographic techniques	5-36
2305-TOOL-2803	No	Employ Remote Firing Device	5-37
2305-TOOL-2804	No	Employ the MK 38 Small Cal De-armer	5-37
2305-TOOL-2805	No	Operate the Mechanical Remote Fuse Disassembly Kit (MREDK)	5-38
2305-TOOL-2806	No	Employ the Light Weight Disposal Disruptor	5-39

5003. 2000-LEVEL EVENTS

2305-ADMN-2001: Prepare a MAGTF EOD Operational Plan

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2305

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a Higher Headquarters Operational Order.

STANDARD: To clearly state the integration, interoperability and support requirements for EOD assets.

PERFORMANCE STEPS:

1. Review requirements.
2. Develop EOD plan.
3. Submit plan.

REFERENCES:

1. MCO 3571.2 Explosive Ordnance Disposal (EOD) Program
 2. MCO 8010.1 Class V(W) SUP FMF CBT OP
 3. MCO 8027.1 Interservice Responsibilities for Explosive Ordnance Disposal
 4. MCWP 3-17.2 MAGTF Explosive Ordnance Disposal
-

2305-ADMN-2002: Manage EOD Reporting

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2305

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an EOD operation.

STANDARD: To ensure completion of all required information.

PERFORMANCE STEPS:

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

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. MCO 3571.2 Explosive Ordnance Disposal (EOD) Program
3. Op Order Annex C Appendix 13

4. Applicable Marine Corps Orders and Directives
5. Military Munitions Rule

SUPPORT REQUIREMENTS:

EQUIPMENT: EOD book set Dedicated EOD SIPR connection

2305-ADMN-2003: Manage Class V

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

MOS PERFORMING: 2305

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an EOD mission.

STANDARD: To ensure allocation computation supports mission requirement.

PERFORMANCE STEPS:

1. Validaterequirement.
2. Verify required ammunition.
3. Finalize requisition of ammunition.
4. Determine proper storage, handling, and transportation of ammunition.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
 2. MCBul 8011 CLASS V(W) MATERIEL REQUIREMENTS FOR TRAINING, PROGRAMMED TESTING AND SECURITY
 3. NAVSEA SWO20-AC-SAF-010 Transportation and Storage Data for Ammunition, Explosives and Related Hazardous Materials
 4. Applicable Marine Corps Orders and Directives
-

2305-ADMN-2004: Comply with the Military Munitions Rule

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

MOS PERFORMING: 2305

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an EOD operation.

STANDARD: To ensure applicable laws/regulations are adhered to.

PERFORMANCE STEPS:

1. Brief requirements to EOD unit.

2. Coordinate with outside agencies, if applicable.
3. Manage operations.
4. Submit reports to required agencies.

REFERENCES:

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

2305-ADMN-2005: Manage Standing Operating Procedures (SOP)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2305

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a requirement.

STANDARD: To ensure unit compliance.

PERFORMANCE STEPS:

1. Review mission statement.
2. Validate requirements.
3. Determine required procedures
4. Approve procedures.
5. Update procedures, when applicable.

REFERENCES:

1. MCO 3571.2 Explosive Ordnance Disposal (EOD) Program
 2. NOSSA INST 8023.11 Standard Operating Procedures Development Implementation and Maintenance for Ammunition and Explosives
 3. Applicable Marine Corps Orders and Directives
-

2305-ADMN-2006: Manage Explosive Ordnance Disposal Administration

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2305

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a requirement.

STANDARD: To ensure unit readiness.

PERFORMANCE STEPS:

1. Conduct Arms, Ammunition and Explosives Screening.
2. Supervise Qualification and Certification Program.
3. Develop an SOP.
4. Supervise Government travel.
5. Develop a budget for maintenance and training.
6. Develop a Post Operation report (after action).
7. Develop lessons learned.
8. Oversee classified material.
9. Oversee personal security clearances.
10. Enforce training range regulations.
11. Enforce Explosive Safety policies.
12. Enforce Environmental regulations.
13. Determine EOD facility requirements.
14. Develop Universal Needs Statement.
15. Develop a equipment notional concept.

REFERENCES:

1. MCO 3571.2 Explosive Ordnance Disposal (EOD) Program
 2. MCO 8023.3 Qualification and Certification Program for Class V Munitions and Explosive Devices
 3. SECNAVINST 5510.30 Information and Personnel Security Program
-

2305-ADMN-2007: Manage Explosive Ordnance Disposal Personnel

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

MOS PERFORMING: 2305

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a requirement.

STANDARD: To ensure unit readiness.

PERFORMANCE STEPS:

1. Determine billet functions and assignments.
2. Develop a counseling/evaluation program.
3. Verify EOD Lateral Move screenings.
4. Conduct removal of personnel from MOS 2336.

REFERENCES:

1. MCO 3571.2 Explosive Ordnance Disposal (EOD) Program
 2. MCO P1610.7 Performance Evaluation System
-

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

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

MOS PERFORMING: 2305

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a requirement.

STANDARD: To ensure combat effectiveness.

PERFORMANCE STEPS:

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

REFERENCES:

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

2305-ADMN-2009: Manage Explosive Ordnance Disposal Equipment

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2305

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a requirement.

STANDARD: To ensure unit readiness.

PERFORMANCE STEPS:

1. Monitor equipment assets.
2. Validate maintenance information requirements.
3. Validate required output reports.
4. Analyze performance indicators of report.
5. Conduct trend analysis of reports.
6. Direct corrective action.
7. Coordinate communications with adjacent/higher supporting agencies.
8. Validate Consolidated Memorandum Report (CMR).

REFERENCES:

1. MCO 3571.2 Explosive Ordnance Disposal (EOD) Program
 2. MCO P4400.150 CONSUMER-LEVEL SUPPLY POLICY MANUAL
-

2305-ADMN-2010: Manage Explosive Ordnance Disposal Operations

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2305

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a requirement.

STANDARD: To ensure mission accomplishment.

PERFORMANCE STEPS:

1. Develop integration plan into MAGTF operations.
2. Coordinate support to outside agencies.
3. Prepare Operational Risk management.

REFERENCES:

1. MCO 3500.27 Operational Risk Management
 2. MCO 3571.2__ Explosive Ordnance Disposal (EOD) Program
-

2305-DEMO-2101: Employ Improvised Disruption Charges

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2305

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

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a mission.

STANDARD: To ensure explosive device is successfully neutralized.

PERFORMANCE STEPS:

1. Evaluate target.
2. Determine charge to use.
3. Assemble charge.
4. Emplace charge.
5. Fire charge.
6. Evaluate shot results.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. FM 3-90.15 Tactics, Techniques, and Procedures for Tactical Operations Involving Sensitive Sites
3. FM 5-25 Explosives and Demolitions
4. MCO 3502.3 Marine Expeditionary Unit (Special Operations Capable)

5. NAVSEA OP 5 Vol 1 Ammunition and Explosives/Ashore Safety Regulations of Handling, Storage, Production, Renovation and Shipping
6. NAVSEA SWO60-AA-MMA-010 Demolition Materials

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
DWEI Pyrotechnic Lead Spool Assembly, MK	1 spool
G900 Grenade, Hand Incendiary Thermite AN	3
M023 Charge, Demolition Block M112 1-1/4	5
M032 Charge, Demolition Block TNT 1-Pound	3
M130 Cap, Blasting Electric M6	5
M131 Cap, Blasting Non-Electric M7	5
M174 Cartridge, Caliber .50 Impulse Elect	2
M456 Cord, Detonating PETN Type I Class E	50 ft
M591 Dynamite, Military M1	1
M670 Fuse, Blasting Time M700	50 ft
M670 Fuse, Blasting Time M700	
M981 Charge, Demolition Sheet 0.125 Inch	5 ft
MN08 Igniter, Time Blasting Fuse with Sho	5
MN88 Cap, Blasting, 500 ft mini-tube M21	1 spool
MN90 Cap, Blasting, 1000 ft mini-tube M23	1 spool

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 17962 MOUT Collective Training Facility (Small)
Facility Code 17963 MOUT Collective Training Facility (Large)
Facility Code 17830 Light Demolition Range

EQUIPMENT: EOD family of equipment.

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

2305-DEMO-2102: Employ Commercial and/or Foreign Military Explosives

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 24 months

MOS PERFORMING: 2305

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

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a mission.

STANDARD: In order to successfully perform EOD procedures, indentifying and utilizing explosives across the area of operations.

PERFORMANCE STEPS:

1. Evaluate target.
2. Identify explosives.
3. Choose explosives.
4. Prepare explosives.
5. Emplace explosives.
6. Fire charge.
7. Evaluate shot results.

REFERENCES:

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

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

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

EQUIPMENT: EOD Demo Kit

MATERIAL: Civilian or foreign explosives

UNITS/PERSONNEL: Trauma Certified Corpsman

2305-IED-2201: Employ electronic countermeasures

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2305

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a requirement.

STANDARD: To ensure proper setup, placement and employment.

PERFORMANCE STEPS:

1. Conduct mission analysis.
2. Determine employment TTP.
3. Prepare equipment.
4. Execute mission.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

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

EQUIPMENT: T/O ECM Equipment

2305-IED-2202: Manage Improvised Explosive Device (IED) responses

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2305

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a mission.

STANDARD: To ensure threat is eliminated.

PERFORMANCE STEPS:

1. Validate intelligence.
2. Verify threat.
3. Validate threat assessment.
4. Brief team.
5. Validate render safe procedures.
6. Receive evidence.
7. Validate report.
8. Submit evidence/report(s).

REFERENCES:

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

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

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

EQUIPMENT: Family of EOD Equipment

2305-INTL-2302: Analyze Advanced Improvised Explosive Device Electronic Components

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2305

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a circuit.

STANDARD: In order to accurately determine the function of all components.

PERFORMANCE STEPS:

1. Identify all components.
2. Determine circuitry.
3. Develop RSP.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

MATERIAL: Electrical components, X-Ray pictures, and schematics

2305-INTL-2303: Support EOD Intelligence Preparation of Battlefield

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2305

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a theater of operations.

STANDARD: To ensure mission accomplishment.

PERFORMANCE STEPS:

1. Analyze intelligence.
2. Coordinate with applicable agencies.
3. Advise development and/or review of operational plan.
4. Advise T/O and T/E requirement to mitigate threat.

REFERENCES:

1. MCWP 5-1 Marine Corps Planning Process
-

2305-INTL-2304: Manage Explosive Ordnance Stripping Operations

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2305

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an ordnance item.

STANDARD: In order to minimize explosive hazards.

PERFORMANCE STEPS:

1. Approve procedures.
2. Approve disposition.
3. Verify submittal of report.

REFERENCES:

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

SUPPORT REQUIREMENTS:

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

EQUIPMENT: EOD family of equipment.

2305-INTL-2305: Manage Disassembly Operations

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2305

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an ordnance item.

STANDARD: In order to safely separate components.

PERFORMANCE STEPS:

1. Approve procedures.
2. Approve disposition.
3. Verify submittal of report.

REFERENCES:

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

SUPPORT REQUIREMENTS:

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

EQUIPMENT: EOD family of equipment.

2305-INTL-2306: Manage Inerting operations

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

MOS PERFORMING: 2305

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an ordnance item.

STANDARD: In order to completely remove all hazards.

PERFORMANCE STEPS:

1. Approve procedures.
2. Approve disposition.
3. Verify submittal of report.

REFERENCES:

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

SUPPORT REQUIREMENTS:

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

EQUIPMENT: EOD family of equipment, Explosive Wash Out System (EWOS).

2305-INTL-2307: Manage technical exploitation

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

DESCRIPTION: This is the process of gathering intelligence on first seen, known ordnance items, or ordnance items with limited information, whether field or garrison environment with or without technical publications.

MOS PERFORMING: 2305

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

MOS PERFORMING: 2305

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

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a requirement.

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

PERFORMANCE STEPS:

1. Verify gun crew has performed stuck round procedures.
2. Determine appropriate procedures.
3. Execute appropriate procedures.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
M130 Cap, Blasting Electric M6	2
M174 Cartridge, Caliber .50 Impulse Elect	1
M456 Cord, Detonating PETN Type I Class E	1 ft

RANGE/TRAINING AREA:

Facility Code 17430 Impact Area Dudded
Facility Code 17431 Impact Area Non-Dudded
Facility Code 17830 Light Demolition Range

2305-NEUT-2402: Neutralize ordnance by low order detonation

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2305

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

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a munition.

STANDARD: To ensure deflagration of the explosives.

PERFORMANCE STEPS:

1. Identify munitions.
2. Identify tool or explosive to employ.
3. Position explosive or tool.
4. Initiate explosive or tool.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
G900 Grenade, Hand Incendiary Thermite AN	6
M023 Charge, Demolition Block M112 1-1/4	1
M130 Cap, Blasting Electric M6	10
M131 Cap, Blasting Non-Electric M7	2
M475 Container, Demolition Charge MK2 Mod	1
M670 Fuse, Blasting Time M700	25 ft
M980 Charge, Demolition Sheet 0.0831 Inch	1 ft
M981 Charge, Demolition Sheet 0.125 Inch	1 ft
M982 Charge, Demolition Sheet 0.161 Inch	1 ft
M986 Sheet Explosive	1 ft
ML04 Cutter, High Explosive MK23 Mod 0	1
ML05 Cutter, High Explosive MK24 Mod 0	2
MN08 Igniter, Time Blasting Fuse with Sho	3

EQUIPMENT: EOD family of equipment.

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

2305-NEUT-2403: Download U.S. and Foreign Explosive Ordnance from Weapon Systems

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: There are numerous explosive hazards that can be encountered in the conduct of this event as follows: MK19, mortars, artillery, LAV, tanks and AAV/EFV. This also includes foreign systems.

MOS PERFORMING: 2305

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

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a weapons system.

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

PERFORMANCE STEPS:

1. Identify weapon platform.
2. Determine PPE requirements.
3. Establish a safe area.
4. Develop plan in accordance with applicable manuals.
5. Determine equipment.
6. Execute plan.
7. Turn system over to owning unit or intelligence personnel.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. Applicable TMs

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17830 Light Demolition Range

EQUIPMENT: U.S. and Foreign weapon systems.

2305-NEUT-2404: Desensitize conventional/homemade explosives

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2305

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

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a requirement.

STANDARD: To ensure complete neutralization of explosives.

PERFORMANCE STEPS:

1. Identify explosive and/or precursors.
2. Don appropriate PPE.
3. Collect samples.
4. Identify method, technique, and procedure to be used.
5. Execute neutralization technique.
6. Submit report.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17830 Light Demolition Range

EQUIPMENT: Chemical precursors.

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: For additional references refer to the FBI Bomb data report or the HME Program of Instruction.

2305-NEUT-2405: Employ Vehicle Access Charges

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2305

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

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a requirement.

STANDARD: To successfully gain access to the target area.

PERFORMANCE STEPS:

1. Identify target.
2. Identify charge size.
3. Determine appropriate Class V (W) requirement.
4. Determine non-explosive material.
5. Construct charge.
6. Place charge.
7. Determine effectiveness of charge.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
DWEI Pyrotechnic Lead Spool Assembly, MK	1 spool
M023 Charge, Demolition Block M112 1-1/4	1
M130 Cap, Blasting Electric M6	3
M456 Cord, Detonating PETN Type I Class E	50 ft
M981 Charge, Demolition Sheet 0.125 Inch	4 ft
MN90 Cap, Blasting, 1000 ft mini-tube M23	1

RANGE/TRAINING AREA: Facility Code 17830 Light Demolition Range

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

MATERIAL: Required to be procured with unit funds: Hydrojet, Mineral Water Bottles, Boot Banger, Slim Jim, Head Shot. Other commercial off the shelf volumetric charges are also authorized.

2305-NEUT-2406: Employ Stand off Munitions Ordnance Disruption

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2305

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

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a requirement.

STANDARD: In order to neutralize explosive ordnance.

PERFORMANCE STEPS:

1. Identify munition.
2. Select appropriate weapon system.
3. Determine safe area.
4. Evaluate environmental conditions.
5. Employ weapon system.
6. Verify neutralization.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. Applicable TMs

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
A011 Cartridge, 12 Gauge #00 Buckshot M16	10
A555 Cartridge, Caliber .50 Ball M33 Link	8
A606 Cartridge, Caliber .50 API MK211 Mod	2

RANGE/TRAINING AREA:

Facility Code 17430 Impact Area Dudded
Facility Code 17970 Radar-Bomb-Scoring Facility
Facility Code 17560 Sniper Field-Fire Range
Facility Code 17431 Impact Area Non-Dudded

EQUIPMENT: Search Kit

2305-NEUT-2407: Employ volumetric charges

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2305

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

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a target.

STANDARD: In order to disrupt circuitry.

PERFORMANCE STEPS:

1. Select charge.
2. Construct charge.
3. Determine emplacement method.
4. Emplace charge.
5. Validate results.

REFERENCES:

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

SUPPORT REQUIREMENTS:

ORDNANCE:

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

RANGE/TRAINING AREA:

Facility Code 17830 Light Demolition Range
Facility Code 17431 Impact Area Non-Duddled
Facility Code 17430 Impact Area Duddled
Facility Code 17820 Engineer Qualification Range, Non-Standardized
Facility Code 17821 Engineer Qualification Range, Automated/Standardiz
Facility Code 17830 Light Demolition Range

EQUIPMENT: EOD Family of equipment.

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

UNITS/PERSONNEL: Corpsman with Trauma Training

2305-OPS-2501: Manage WMD Operations

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2305

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a mission.

STANDARD: In order to integrate EOD into the mission plan.

PERFORMANCE STEPS:

1. Receive Commander's intent.
2. Develop mission analysis.
3. Coordinate with appropriate agencies.
4. Validate resources.
5. Advise commander of capabilities and limitations.
6. Validate reports.

REFERENCES:

1. DODDIR 3150.5 DOD Response to Improvised Nuclear Device (IND) Incidents
 2. DODDIR 3150.8 DOD Response to Radiological Accidents
 3. JP 3-40 Joint Doctrine Combating Weapons of Mass Destruction
 4. MCO 3571.2_ Explosive Ordnance Disposal (EOD) Program
-

2305-OPS-2502: Manage ATFP Operations

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

MOS PERFORMING: 2305

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a threat assessment.

STANDARD: In order mitigate the effects of weapons and threats against installations and friendly forces.

PERFORMANCE STEPS:

1. Receive Commander's intent.
2. Develop mission analysis.
3. Coordinate with appropriate agencies.
4. Validate resources.
5. Advise commander of capabilities and limitations.
6. Validate reports.

REFERENCES:

1. JP 3-40 Joint Doctrine Combating Weapons of Mass Destruction
 2. MCO 3571.2_ Explosive Ordnance Disposal (EOD) Program
-

2305-OPS-2503: Employ advanced access/disablement techniques

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

MOS PERFORMING: 2305

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a requirement.

STANDARD: To successfully gain access without triggering sensors.

PERFORMANCE STEPS:

1. Collect target intelligence.
2. Identify locking/sensor systems.
3. Determine entry point.

4. Select appropriate TTPs.
5. Conduct entry.

REFERENCES:

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

SUPPORT REQUIREMENTS:

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

EQUIPMENT: Assault Breacher Tool Kit, Lock Neutralization Kit, SOF Demolition Kit, Commercial locksmith database, Common EOD tools, and personnel equipment/weapons.

MISCELLANEOUS:

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

2305-OPS-2504: Operate in confined spaces

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2305

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a mission.

STANDARD: In order to safely perform required task.

PERFORMANCE STEPS:

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

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
-

2305-SOF-2601: Provide EOD Assault Support to SOF

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: Providing EOD support to USSOCOM upon identification of an explosive threat the EOD technician must assess the threat, formulate a course of action and conduct such action in order to provide the minimum loss of momentum to the operation while guarding against friendly loss of life or injury.

MOS PERFORMING: 2305

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an environment.

STANDARD: In order to neutralize or destroy the explosive threat.

PERFORMANCE STEPS:

1. Respond to the appropriate call sign and code word.
2. Confirm or deny the suspect threat.
3. Take measures to protect the force as required.
4. Take measures to provide security as required.
5. Search immediate area for secondary threats.
6. Take appropriate action to eliminate the threat.
7. Confirm positive action on the threat.
8. Conduct SSE.
9. Recover all tools and equipment.
10. Execute mission.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

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

ROOMS/BUILDINGS: Shooting house

MISCELLANEOUS:

SPECIAL PERSONNEL CERTS: Graduate the MARSOC SOF EOD level 1 Course.

2305-SOF-2602: Conduct target analysis

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: Providing EOD support to MARSOC, the EOD technician will assist with Target Analysis utilizing the CARVER method in support of SOF mission planning.

MOS PERFORMING: 2305

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an environment.

STANDARD: In order to neutralize or destroy the threat.

PERFORMANCE STEPS:

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

REFERENCES:

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

MISCELLANEOUS:

SPECIAL PERSONNEL CERTS: Target Analysis Course

2305-SOF-2603: Conduct applied explosive techniques

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: Providing EOD support to MARSOC the EOD technician will be familiar with all SOF Demolition kits and procedures. He will provide subject matter expert information regarding all energetic materials, tactics, techniques and procedures. He must be familiar with non-standard and foreign demolition materials. He will be knowledgeable on the application of improvised charges and the manufacture of Home Made Explosives (HME) and incendiaries.

MOS PERFORMING: 2305

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an environment.

STANDARD: To ensure mission accomplishment.

PERFORMANCE STEPS:

1. Conduct mission analysis.
2. Conduct Target analysis.

3. Determine explosives and initiators available.
4. Determine host nation explosives and initiators available.
5. Determine regional commercial products available.
6. Develop course of action for technique.

REFERENCES:

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

MISCELLANEOUS:

SPECIAL PERSONNEL CERTS: Graduate the Applied Explosive Techniques (AET) course.

2305-SOF-2604: Identify home made explosive and precursors

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: Providing EOD support to MARSOC the EOD technician must be familiar with all equipment associated to produce small to large scale Home Made Explosive (HME) production. He must also be familiar with all precursors, their hazards and what types of HME they are likely to produce. The EOD technician must be able to assess during a SOF SSE the current safety condition of the site, determine the type of production lab at hand (HME, Chem-bio, drug), gather samples and store for transportation per SSE SOP.

MOS PERFORMING: 2305

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an environment.

STANDARD: In order to eliminate HME threat(s).

PERFORMANCE STEPS:

1. Identify common precursors.
2. Determine terrorist funding.
3. Assess terrorist skill level.
4. Identify Lab equipment.
5. Conduct field testing.
6. Determine if a field lab is producing HME or other substances (Chem-bio, drug).
7. Submit report to higher agencies.

REFERENCES:

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

MISCELLANEOUS:

SPECIAL PERSONNEL CERTS: Complete 40hrs of HME training.

2305-SOF-2605: Perform detonator and switch defeat

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: This procedure will only be conducted during a Cat A scenario. This procedure requires the MARSOC EOD technician to work in close proximity to the device thus placing him in far greater danger than using a remote or disruptor procedure.

MOS PERFORMING: 2305

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an environment.

STANDARD: In order to neutralize the threat.

PERFORMANCE STEPS:

1. Determine electronic characteristics.
2. Differentiate between possible IED firing circuits and terrorist trap methods.
3. Verify neutralization.
4. Submit report.

REFERENCES:

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

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17962 MOUT Collective Training Facility (Small)
Facility Code 17963 MOUT Collective Training Facility (Large)
Facility Code 17710 Multipurpose Training Range (MPTR)

2305-SOF-2606: Perform alarm defeat

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: Alarm systems can be used as a firing system or as a means of protecting the device itself. The EOD technician must be familiar with the technology used by more commonly utilized sensors and forms of wiring systems that need to be understood in order to successfully bypass the system.

MOS PERFORMING: 2305

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an environment.

STANDARD: In order to neutralize the threat.

PERFORMANCE STEPS:

1. Identify alarm systems.
2. Determine their operating parameters.
3. Demonstrate correct use of diagnostic equipment and drills.
4. Analyze diagnostics results
5. Employ bypass procedures.
6. Submit report.

REFERENCES:

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

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17710 Multipurpose Training Range (MPTR)
Facility Code 17962 MOUT Collective Training Facility (Small)
Facility Code 17963 MOUT Collective Training Facility (Large)

MISCELLANEOUS:

SPECIAL PERSONNEL CERTS: MARSOC SOF EOD Level 1 Certificate

2305-SOF-2607: Access closed containers (Hand Entry)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: The EOD technician must be able to access all types of containers associated with the accomplishment of his EOD task associated with SOF missions. The EOD technician must have be able to utilize tin snips, exothermic torch, quick saw, energetic tools, video probe, and skill saw.

MOS PERFORMING: 2305

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an environment.

STANDARD: In order to gain entry.

PERFORMANCE STEPS:

1. Identify container.
2. Determine equipment.
3. Utilize equipment.
4. Submit reports.

REFERENCES:

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

SUPPORT REQUIREMENTS:

MATERIAL: 1. Large metal container includes vehicles and ISO type boxes.
2. Large wood container includes structures built with wood frame. 3.
Large concrete containers includes walls and pre-fabricated construction
type objects, to include reinforced.

2305-SOF-2608: Prepare EOD equipment for SOF employment

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: Due to the unique environment associated with SOF missions the EOD technician must be familiar with the methods to pack, protect, silence, and employ EOD equipment. Protect it from airborne and amphibious operational hazards, extreme environmental conditions, and multiple-operational climates (overt, clandestine, in-extremis). He must be prepared to support the full spectrum of SOF missions providing a robust EOD capability in all environments to include clandestine work in non-standard uniforms.

MOS PERFORMING: 2305

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a mission.

STANDARD: To ensure mission accomplishment.

PERFORMANCE STEPS:

1. Conduct mission analysis.
2. Conduct waterborne operation, if applicable.
3. Conduct airborne operation, if applicable.
4. Determine applicable equipment.
5. Silence and dull equipment.

REFERENCES:

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

MISCELLANEOUS:

SPECIAL PERSONNEL CERTS: MARSOC EOD SOF Level 1 completion certificate.

2305-SOF-2609: Conduct Clandestine operations

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

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

MOS PERFORMING: 2305

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a requirement.

STANDARD: In order to integrate into an ASO/TSO qualified team.

PERFORMANCE STEPS:

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

REFERENCES:

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

2305-SOF-2610: Conduct an EOD threat assessment

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: Clearly identifying the goal of the mission is one of the first steps in developing a threat assessment. The goal has significant impact upon the acceptable risk level for executing the mission. For example, if the mission is to save life, practically any risk is justified. On the other hand, if the mission is to capture a low-value target, the acceptable risk level is lower and some of the RSP options should be rejected.

MOS PERFORMING: 2305

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an environment.

STANDARD: In order to mitigate risk.

PERFORMANCE STEPS:

1. Identify limiting factors.
2. Develop plan of attack.
3. Execute plan.

REFERENCES:

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

2305-SOF-2611: Conduct precision disruption

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: Based on the EOD threat assessment the technician must prepare, emplace, site-in and shoot the PAN disrupter to successfully neutralize the threat with minimum collateral damage.

MOS PERFORMING: 2305

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a requirement.

STANDARD: In order to hit a lin xlin target within a half inch from at least 10ft.

PERFORMANCE STEPS:

1. Determine target point.
2. Compute the speed of circuit.
3. Select appropriate equipment.
4. Emplace tool.
5. Execute mission.

REFERENCES:

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

2305-SOF-2612: Conduct precision access

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: This technique uses various explosive tools to gain access and disrupt target materials. The majority of the tools are specific shape and volumetric charges. The tools can either gain access for exploratory purposes or target a specific component.

MOS PERFORMING: 2305

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a requirement.

STANDARD: In order to gain access with minimal damage.

PERFORMANCE STEPS:

1. Determine target point.
2. Compute the speed of circuit.
3. Select appropriate equipment.
4. Emplace tool.
5. Execute mission.

REFERENCES:

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

2305-SOF-2613: Advise EOD Special Operations support

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2305

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a requirement.

STANDARD: In order to Brief the Commander on EOD requirements.

PERFORMANCE STEPS:

1. Analyze mission statement.
2. Conduct geographical study.
3. Determine EOD capabilities within the region.
4. Determine EOD related threats within the region.
5. Gather data and intelligence.
6. Build EOD mission folder.
7. Prepare EOD brief tailored to mission requirements.
8. Identify specific equipment requirements.
9. Identify and coordinate the issue of class V(w) requirements.
10. Submit reports.

REFERENCES:

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

2305-SUPR-2701: Direct conventional ordnance Operations

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2305

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

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a mission.

STANDARD: To ensure mission accomplishment.

PERFORMANCE STEPS:

1. Analyze requirement.
2. Develop mission analysis.
3. Approve course of actions.
4. Approve reports.

REFERENCES:

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

2305-TOOL-2802: Employ advanced radiographic techniques

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2305

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

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a target.

STANDARD: In order to obtain a comprehensible radiographic image.

PERFORMANCE STEPS:

1. Observe applicable safeties.
2. Determine placement.
3. Validate image.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
 2. Applicable TMs
-

2305-TOOL-2803: Employ Remote Firing Device

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2305

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

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a requirement.

STANDARD: In order to initiate charges.

PERFORMANCE STEPS:

1. Assemble equipment.
2. Utilize equipment.
3. Verify effects.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. Applicable TMs

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
M130 Cap, Blasting Electric M6	1

RANGE/TRAINING AREA: Facility Code 17830 Light Demolition Range

EQUIPMENT: EOD family of equipment

UNITS/PERSONNEL: Trauma Certified Corpsman

2305-TOOL-2804: Employ the MK 38 Small Cal De-armorer

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2305

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

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a target.

STANDARD: To engage a pre-designated point.

PERFORMANCE STEPS:

1. Determine impact point.
2. Select appropriate caliber of tool
3. Place tool.
4. Validate effects.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. Applicable TMs

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
A091 Cartridge, Caliber .22 Ball Long Rif	2
A363 Cartridge, 9mm Ball M882	2

RANGE/TRAINING AREA:

Facility Code 17430 Impact Area Dudded
Facility Code 17431 Impact Area Non-Dudded
Facility Code 17830 Light Demolition Range
Facility Code 17502 Non-Standard Small Arms Range

EQUIPMENT: EOD family of equipment

2305-TOOL-2805: Operate the Mechanical Remote Fuse Disassembly Kit (MRFDK)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2305

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an ordnance item.

STANDARD: In order to accurately remove components.

PERFORMANCE STEPS:

1. Conduct Preventative Maintenance Checks and Services.
2. Identify required configuration.
3. Execute mission.
4. Validate procedures.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. Applicable TMs

SUPPORT REQUIREMENTS:

EQUIPMENT: EOD family of equipment

2305-TOOL-2806: Employ the Light Weight Disposal Disruptor

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2305

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

INITIAL TRAINING SETTING: MOJT

CONDITION: Given an explosive ordnance item.

STANDARD: In order to disrupt the firing circuit.

PERFORMANCE STEPS:

1. Identify target and point of impact.
2. Clear the downrange hazard area of personnel.
3. Select the proper cartridge and set up the tool per AEODPS.
4. Fire shot per AEODPS.
5. Validate the item has been properly rendered safe.
6. Submit the required reports.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
DWDN Charge, Lightweight Disposable Disru	1

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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 17821 Engineer Qualification Range, Automated/Standardiz
Facility Code 17830 Light Demolition Range

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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 details the individual events that pertain to the Explosive Ordnance Disposal Technician. These events are linked to a service-level Mission Essential Tasks (MET). This linkage tailor's individual training for the selected MET. 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. ADMINISTRATIVE NOTES. T&R events are coded for ease of reference. Each event has a 4-4-4 digit identifier. The first four digits represent the occupational field or military occupational field (IOPS, or 9934). This chapter contains 9934 events. The second four digits represent the functional or duty area. The last four digits represent the level, and identifier number of the event. Every individual event has an identifier number from 001 to 999.

6002. INDEX OF INDIVIDUAL EVENTS

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2336-TOOL-2804	No	Employ the MK 38 Small Cal De-armor	6-76
2336-TOOL-2805	No	Operate the Mechanical Remote Fuse Disassembly Kit (MRFDK)	6-77
2336-TOOL-2806	No	Employ the Light Weight Disposable Disruptor	6-77

6003. 1000-LEVEL EVENTS

2336-ADMN-1001: Advise Personnel on the Hazards of Unexploded Explosive Ordnance and Improvised Explosive Devices

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an Ordnance Order of Battle, AEODPS, Threat Assessment and After Action Reports related to a specific Area of Operations.

STANDARD: To a level that will enhance their combat effectiveness and situational awareness in order to reduce loss of life.

PERFORMANCE STEPS:

1. Identify hazards.
2. Determine Protective measures.
3. Brief personnel.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. FM 5-25 Explosives and Demolitions
3. MCO 1510.101 Individual Training Standards System for Marine Corps Special Skills, Vol. II
4. MCO 3571.2 Explosive Ordnance Disposal (EOD) Program
5. MCRP 3-17.2 Multiservice Procedures for Explosive Ordnance Disposal (NTP) in a Joint Environment
6. NAVSEA SW023-AH-WHM-010 Handling Ammunition and Explosives with Industrial Material Handling Equipment (MHE)
7. NAVSEA SW060-AA-MMA-010 Demolition Materials
8. Unit SOP Unit SOP
9. Applicable Marine Corps Orders and Directives

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: Must have access to SIRRNET.

2336-ADMN-1002: Employ the Automated Explosive Ordnance Disposal Publications System (60 Series)

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

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

STANDARD: In order to locate the applicable publication.

PERFORMANCE STEPS:

1. Utilize ordnance measurements, nomenclature, or other information provided to navigate AEODPS search engine.
2. Locate the desired publication.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

EQUIPMENT: EOD Family of Equipment.

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: Must have full time access to SIRPNET.

2336-CBRN-1101: Perform Radiological Monitoring

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a radioactive source.

STANDARD: In order to determine the amount of counts per minute of radiation that is being produced.

PERFORMANCE STEPS:

1. Assemble a radiac set.
2. Conduct an operations check on the radiac.
3. Don proper PP&E.
4. Conduct monitoring (alpha and gamma).
5. Monitor until radioactivity is detected, and source is located.
6. Record radiation levels by observing meter reading or frequency clicks in headset.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

2. DODDIR 3150.8 DOD Response to Radiological Accidents
3. MCO 3571.2F Explosive Ordnance Disposal (EOD) Program

SUPPORT REQUIREMENTS:

EQUIPMENT: EOD Family of Equipment.

MATERIAL: Radioactive source.

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: Must have full access to SIPRNET.

2336-CBRN-1102: Calculate Downwind Hazard Area

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

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an incident site.

STANDARD: To ensure accurate calculation of downwind hazard area within 20 meters.

PERFORMANCE STEPS:

1. Determine dosage.
2. Determine source strength.
3. Set off smoke grenade, using smoke to determine wind direction and speed.
4. Convert wind speed in meters per minute.
5. Determine temperature gradient.
6. Use calculator to determine length of downwind hazard and record on map.
7. Use calculator to determine vapor cloud width and record on map.

REFERENCES:

1. JP 3-40 Joint Doctrine Combating Weapons of Mass Destruction
2. Applicable Marine Corps Orders and Directives
3. National Response Plan

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
G940 Grenade, Hand Green Smoke M18	2

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

EQUIPMENT: EOD family of equipment.

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: Must have full time access to SIPRNET.

2336-CBRN-1103: Perform Toxic Chemical/Biological Agent Detection Tests

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an EOD incident site.

STANDARD: To ensure the proper use of chemical/biological agent detection equipment.

PERFORMANCE STEPS:

1. Check for presence of toxic chemical agent using chemical agent detection paper.
2. Set up chemical agent detector.
3. Record all test results.

REFERENCES:

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

SUPPORT REQUIREMENTS:

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

OTHER SUPPORT REQUIREMENTS: Full time access to SIPRNET.

2336-CBRN-1104: Conduct CBRN Reconnaissance Operations

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an incident site.

STANDARD: To locate and identify hazards associated with CBRN munitions or devices.

PERFORMANCE STEPS:

1. Utilize monitoring equipment.
2. Mark and/or map contaminated area.
3. Take samples.
4. Determine hot line.
5. Employ remote tools.
6. Identify CBRNE hazards.
7. Communicate with Command Post.
8. Perform emergency measures.

REFERENCES:

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

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
G940 Grenade, Hand Green Smoke M18	2

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

EQUIPMENT: EOD family of equipment. CBRN Kit, SCBA, Proper PPE, M18 detection kit, M256 detection kit, HHA kit

OTHER SUPPORT REQUIREMENTS: Full time access to SIPRNET.

2336-CBRN-1105: Don Chemical Protective Clothing

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a requirement.

STANDARD: In order to protect personnel with the ability to sustain operations in a contaminated environment.

PERFORMANCE STEPS:

1. Select appropriate personal protective equipment for the threat level.
2. Select proper respiratory equipment for the threat level.
3. Properly don personal protective equipment for the threat level.
4. Properly don respiratory equipment for the threat level.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. CFR 49 Hazardous Materials
3. DODDIR 3150.5 DOD Response to Improvised Nuclear Device (IND) Incidents
4. DODDIR 3150.8 DOD Response to Radiological Accidents
5. FM 3-11.4 Multiservice tactics, techniques, and procedures for nuclear, biological, and chemical (NBC) protection
6. FM 3-90.15 Tactics, Techniques, and Procedures for Tactical Operations Involving Sensitive Sites
7. JP 3-40 Joint Doctrine Combating Weapons of Mass Destruction
8. MCO 1510.101 Individual Training Standards System for Marine Corps Special Skills, Vol. II
9. MCO 3571.2 Explosive Ordnance Disposal (EOD) Program
10. MCO 8027.1 Interservice Responsibilities for Explosive Ordnance Disposal
11. MCWP 3-17.2 MAGTF Explosive Ordnance Disposal
12. SWOP Special Weapons Ordnance Publications
13. Unit SOP Unit SOP
14. Applicable Marine Corps Orders and Directives
15. Applicable SL-3

SUPPORT REQUIREMENTS:

ROOMS/BUILDINGS: Training will be conducted in an appropriate training area that facilitates donning of personal protective equipment.

EQUIPMENT: EOD Family of Equipment.

UNITS/PERSONNEL: EOD Team, EOD Section, EOD Platoon, EOD Company, EOD Technician, EOD Asst. Team Leader, EOD Team Leader, EOD Chief, EOD OIC, EOD Platoon Commander, EOD Company Executive Officer, EOD Company Commander, and EOD Staff Officer.

2336-CBRN-1106: Vent and Burn Chemical Munitions

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a munition.

STANDARD: To ensure the proper disposal of chemical munitions per AEODPS.

PERFORMANCE STEPS:

1. Establish initial exclusion zone and downwind hazard area.
2. Set up Emergency Personnel Decontamination Stations (EPDS).
3. Identify agent filler and select disposal procedure.
4. Perform appropriate procedures.
5. Process through (EPDS).

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. FM 5-25 Explosives and Demolitions
3. MCO 3440.7 Marine Corps Support to Civil Authorities
4. NAVSEA SWO60-AA-MMA-010 Demolition Materials

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
G900 Grenade, Hand Incendiary Thermite AN	3
M131 Cap, Blasting Non-Electric M7	2
M670 Fuse, Blasting Time M700	20 ft
MN08 Igniter, Time Blasting Fuse with Sho	2

RANGE/TRAINING AREA:

Facility Code 17430 Impact Area Dudded
Facility Code 17830 Light Demolition Range

EQUIPMENT: EOD Family of Equipment.

OTHER SUPPORT REQUIREMENTS: Full time access to SIPRNET.

2336-CBRN-1107: Conduct Leak, Seal, and Packaging Procedures on Chemical Munitions

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a munition.

STANDARD: To ensure the proper packaging of chemical munitions.

PERFORMANCE STEPS:

1. Separate leaking munition(s) from non-leaking munitions.
2. Perform gross decontamination of munition(s) if deemed necessary.
3. Rinse munition(s) if decontaminant is used.
4. Leak, seal munition(s) with appropriate materials.
5. Decontaminate sealed munition(s).

6. Wait required contact time.
7. Rinse munition(s).
8. Reinforce bottom of plastic bag to prevent munition from tearing the plastic bag. Place munition in plastic bag and check munitions for contamination using M18A3 Kit. If contamination is still present repeat Step 8 until M18A3 test yields no contamination.
9. Tape bag closed utilizing `barber pole method using strong pressure sensitive adhesive (PSA) tape.
10. Place inside and seal final container.
11. Mark the outside of the final container.
12. Proceed to hotline.
13. Prior to crossing hot line complete final vapor check. If necessary, repeat four step decontamination procedures.

REFERENCES:

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

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17830 Light Demolition Range

2336-CBRN-1108: Establish Emergency Personnel Decontamination Site

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a contaminated area.

STANDARD: Remove all contaminants from response personnel.

PERFORMANCE STEPS:

1. Select a safe zone up wind.
2. Perform monitoring.
3. Establish a hotline.
4. Establish decontamination stations.
5. Process contaminated personnel if required.

REFERENCES:

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

2336-CBRN-1109: Identify Nuclear and Non Nuclear Components

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a weapon system(s).

STANDARD: To ensure every component has been properly identified.

PERFORMANCE STEPS:

1. Identify nuclear components.
2. Identify non-nuclear components.

REFERENCES:

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

2336-DEMO-1201: Initiate a Non-Electric Firing System

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given demolition materials.

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

PERFORMANCE STEPS:

1. Assemble non electric firing system.
2. Emplace non electric firing system.
3. Initiate non electric firing system.

REFERENCES:

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

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
DWEI Pyrotechnic Lead Spool Assembly, MK	50 ft

M131 Cap, Blasting Non-Electric M7 2
M670 Fuse, Blasting Time M700 6 ft
ML03 Firing Device, Demolition Multi-Purp 1
MN08 Igniter, Time Blasting Fuse with Sho 2
MN88 Cap, Blasting, 500 ft mini-tube M21 1

RANGE/TRAINING AREA: Facility Code 17830 Light Demolition Range

UNITS/PERSONNEL: Trauma Certified Corpsman

2336-DEMO-1202: Initiate an Electric Firing System

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given demolition materials.

STANDARD: To ensure initiation of firing system

PERFORMANCE STEPS:

1. Assemble electrical firing system.
2. Test electrical firing system.
3. Initiate firing system.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
M130 Cap, Blasting Electric M6	1

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

UNITS/PERSONNEL: Trauma certified corpsman

2336-DEMO-1203: Employ Incendiary Devices

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given demolition material.

STANDARD: To ensure proper initiation of device.

PERFORMANCE STEPS:

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

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
G900 Grenade, Hand Incendiary Thermite AN	5
M131 Cap, Blasting Non-Electric M7	2
M670 Fuse, Blasting Time M700	18 ft
MN08 Igniter, Time Blasting Fuse with Sho	3

RANGE/TRAINING AREA: Facility Code 17830 Light Demolition Range

EQUIPMENT: EOD Demo Kit

UNITS/PERSONNEL: Trauma Certified Corpsman

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: 1 Shot - Thrown by hand 1 Shot - Standard initiation with blasting cap 1 inch from the top in a cluster of 31 Shot - Cap placed under a taped spoon 1 Shot - Fish scaled time fuze

2336-DEMO-1204: Employ a Detonating Cord System

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given demolition material.

STANDARD: To ensure proper detonation.

PERFORMANCE STEPS:

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

REFERENCES:

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

SUPPORT REQUIREMENTS:

ORDNANCE:

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

EQUIPMENT: EOD Demo Kit

UNITS/PERSONNEL: Trauma Certified Corpsman

2336-DEMO-1205: Select Disposal Site

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2336

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a mission.

STANDARD: To allow safe operations.

PERFORMANCE STEPS:

1. Calculate safe distance.
2. Ensure the location is clear of vegetation to a minimum of 300 feet.
3. Determine wind direction and speed.
4. Ensure air clearance can be established.
5. Determine location of natural barriers which meet requirements.
6. Determine protective barriers or distance requirements.
7. Plot the disposal area selected on a map.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. MCO 3571.2 Explosive Ordnance Disposal (EOD) Program
3. MCO 8020.10 USMC Ammo & Explosives Safety Policy

4. MCRP 3-17.2 Multiservice Procedures for Explosive Ordnance Disposal (NTTP) in a Joint Environment
5. NAVSEA OP 5 VOL 1 Ammunition & Explosives Ashore Safety Regulation (ESQD Information)
6. Applicable Marine Corps Orders and Directives

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17830 Light Demolition Range

2336-DEMO-1206: Employ Shaped Charges

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given demolition materials.

STANDARD: To ensure proper effect.

PERFORMANCE STEPS:

1. Prepare a shaped charge for use. This can be a prefabricated charge, a charge that requires, an explosive filler be added, or an improvised shape charge.
2. Prepare a firing system (electric or non-electric).
3. Initiate the firing system.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
M023 Charge, Demolition Block M112 1-1/4	5
M130 Cap, Blasting Electric M6	14
M131 Cap, Blasting Non-Electric M7	12
M420 Charge, Demolition Shaped M2 Series	1
M456 Cord, Detonating PETN Type I Class E	25 FT
M474 Container, Demolition Charge MK1 Mod	1 PER EOD SECTION
M475 Container, Demolition Charge MK2 Mod	1 PER EOD SECTION
M476 Container, Demolition Charge MK3 Mod	1 PER EOD SECTION
M477 Container, Demolition Charge MK7 Mod	1 PER EOD SECTION
M478 Container, Demolition Charge MK7 Mod	1 PER EOD SECTION
M479 Container, Demolition Charge MK7 Mod	1 PER EOD SECTION
M480 Container, Demolition Charge MK7 Mod	1 PER EOD SECTION
M481 Container, Demolition Charge MK7 Mod	1 PER EOD SECTION

M482 Container, Demolition Charge MK7 Mod	1 PER EOD SECTION
M483 Container, Demolition Charge MK7 Mod	1 PER EOD SECTION
M484 Container, Demolition Charge MK7 Mod	1 PER EOD SECTION
M487 Container, Demolition Charge MK8 Mod	1 PER EOD SECTION
M670 Fuse, Blasting Time M700	50 FT
M981 Charge, Demolition Sheet 0.125 Inch	1 FT
MM41 Charge, Demolition Flexible Linear S	1 FT PER EOD SECTION
MM42 Charge, Demolition Flexible Linear S	1 FT PER EOD SECTION
MM43 Charge, Demolition Flexible Linear S	1 FT PER EOD SECTION
MM44 Charge, Demolition Flexible Linear S	1 FT PER EOD SECTION
MM45 Charge, Demolition Flexible Linear S	1 FT PER EOD SECTION
MM46 Charge, Demolition Flexible Linear S	1 FT PER EOD SECTION
MM47 Charge, Demolition Flexible Linear S	1 FT PER EOD SECTION
MM48 Charge, Demolition Flexible Linear S	1 FT PER EOD SECTION
MN08 Igniter, Time Blasting Fuse with Sho	13

RANGE/TRAINING AREA: Facility Code 17830 Light Demolition Range

EQUIPMENT: EOD Demo Kit, shaped charge containers, Hydro-Jet Large and Small

UNITS/PERSONNEL: Trauma Certified Corpsman

2336-DEMO-1207: Calculate Fragmentation and Blast Distances

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a explosive ordnance.

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

PERFORMANCE STEPS:

1. Determine the REF.
2. Determine TNT equivalent.
3. Calculate the fragmentation and blast distance.

REFERENCES:

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

2336-DEMO-1208: Destroy Explosives by Burning

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given explosive ordnance.

STANDARD: In order to completely consume explosives.

PERFORMANCE STEPS:

1. Stage explosives to be burnt.
2. Select burn site IAW directives and SOPs.
3. Inspect burn site IAW directives and SOPs.
4. Prepare burn site IAW directives and SOPs.
5. Prepare initiation system.
6. Prepare dunnage pile.
7. Place explosives to be burnt on dunnage pile.
8. Place initiation system.
9. Ensure that burn area is secure.
10. Ensure all personnel are accounted for.
11. Initiate burn.
12. Seek frontal and overhead protection.
13. Calculate and ensure safe distance.
14. Observe the appropriate wait time.
15. Investigate results.

REFERENCES:

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

SUPPORT REQUIREMENTS:

ORDNANCE:

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

EQUIPMENT: EOD family of equipment.

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

UNITS/PERSONNEL: Trauma Certified Corpsman

OTHER SUPPORT REQUIREMENTS: Full time access to SIPRNET in all environments.

2336-DEMO-1209: Dispose of Propellants

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a demolition material.

STANDARD: In order to ensure complete deflagration.

PERFORMANCE STEPS:

1. Select suitable site, clear of vegetation.
2. Ensure favorable environmental conditions.
3. Lay out propellants.
4. Build firing system.
5. Fire firing system.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

ORDNANCE:

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

RANGE/TRAINING AREA: Facility Code 17830 Light Demolition Range

EQUIPMENT: EOD Demo Kit

UNITS/PERSONNEL: Trauma Certified Corpsman

2336-DEMO-1210: Destroy Explosive Ordnance by Detonation

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an explosive ordnance item.

STANDARD: In order to destroy the explosive material.

PERFORMANCE STEPS:

1. Stage explosive ordnance item.
2. Place explosive charge.
3. Initiate explosives.

REFERENCES:

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

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
M131 Cap, Blasting Non-Electric M7	8
M670 Fuse, Blasting Time M700	100 ft
M757 Charge, Assembly Demolition M183 Com	1
MN08 Igniter, Time Blasting Fuse with Sho	10

RANGE/TRAINING AREA:

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

2336-IED-1301: Identify Improvised Explosive Device Components

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a device.

STANDARD: In order to accurately identify components.

PERFORMANCE STEPS:

1. Separate components.
2. X-ray components.
3. Reference the EOD 60 Series Publications (AEODPS) and the country IED guide published by the NAVEODTECHDIV.
4. Positively identify all components.
5. Write up an intelligence report.
6. Forward JDIGS report.
7. Forward components to the Combined Explosive Exploitation Cell (CEXC).

REFERENCES:

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

2336-IED-1302: Employ electronic countermeasures

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a requirement.

STANDARD: To ensure proper setup, placement and employment.

PERFORMANCE STEPS:

1. Prepare the electronic countermeasure for employment.
2. Place the electronic countermeasure.
3. Employ the electronic countermeasure.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

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

EQUIPMENT: T/O ECM Equipment

2336-IED-1303: Conduct an Improvised Explosive Device (IED) response

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a mission.

STANDARD: To ensure threat is eliminated.

PERFORMANCE STEPS:

1. Evaluate intelligence
2. Locate/identify threat.
3. Conduct a threat assessment.
4. Perform render safe procedures.
5. Verify render safe procedures.
6. Collect evidence.
7. Submit report.

REFERENCES:

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

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

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

EQUIPMENT: Family of EOD Equipment

2336-INTL-1401: Conduct Reconnaissance on Unexploded Explosive Ordnance

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING:

CONDITION: Given a munition.

STANDARD: In order to correctly identify unknown ordnance.

PERFORMANCE STEPS:

1. Establish safe area.
2. Determine support required.
3. Determine associated safeties that will be observed.
4. Determine safe direction of approach.
5. Identify type by function based on key identification features.

6. Identify and annotate nomenclature, measurements, shapes, colors, construction, fittings, and features.
7. Conduct publications research.
8. Report ordnance identification and associated hazards.

REFERENCES:

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

SUPPORT REQUIREMENTS:

EQUIPMENT: Laptop with AEDOPS, EOD family of equipment

2336-INTL-1402: Conduct a Search for Explosive Hazards

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING:

CONDITION: Given a designated area.

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

PERFORMANCE STEPS:

1. Identify the area to be searched.
2. Determine search method to be used.
3. Identify any potential hazards in area to be searched i.e. propane tanks, high voltage lines.
4. Brief EOD team.
5. Brief supporting personnel.
6. Establish perimeter.
7. Once search and EOD tasks are complete turn over to appropriate agency.
8. Search the area using proper search techniques.
9. Complete and submit required reports.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

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

MISCELLANEOUS:

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

2336-NEUT-1501: Employ Tape and Line Techniques

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a munition.

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

PERFORMANCE STEPS:

1. Secure the ordnance to keep it from moving.
2. Attach the tape and line system.
3. Initiate the procedure from safe area.
4. Attempt to remove fuse.

REFERENCES:

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

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

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

EQUIPMENT: MK1 Mod 3, EOD family of equipment

2336-NEUT-1502: Conduct Render Safe Procedure (RSP) on Unexploded Explosive Ordnance (UXO)

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a munition.

STANDARD: To ensure complete disruption of firing train.

PERFORMANCE STEPS:

1. Identify UXO.
2. Research UXO.
3. Formulate Render Safe Procedure.
4. Prepare tools.
5. Perform Procedure.

REFERENCES:

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

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
M130 Cap, Blasting Electric M6	4
M174 Cartridge, Caliber .50 Impulse Elect	3
ML04 Cutter, High Explosive MK23 Mod 0	2
ML05 Cutter, High Explosive MK24 Mod 0	2

EQUIPMENT: EOD family of equipment. Exrod Procedures.

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

2336-NEUT-1503: Conduct Render Safe Procedure on Aircraft Explosive Hazards

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an aircraft.

STANDARD: In order to safe 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.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
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2336-RECN-1601: Conduct Vehicle Search

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a mission.

STANDARD: In order to locate any potential hazards.

PERFORMANCE STEPS:

1. Establish Cordon.
2. Establish EOD CP.
3. Search surrounding area for secondary devices.
4. Visually examine exterior from a safe distance.
5. Select search tools.
6. Search vehicle exterior, undercarriage and wheel wells.
7. Remotely open all vehicle doors, trunk and hood remotely.
8. Search vehicle interior, engine compartment and trunk.
9. Once search complete turn over scene to the on scene commander.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. MCO 8027.1 Interservice Responsibilities for Explosive Ordnance Disposal

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17962 MOUT Collective Training Facility (Small)

EQUIPMENT: HAL kit, Bomb Suit, Robotic Equipment, and Book Set

MATERIAL: Vehicle and IED Components

2336-TOOL-1701: Operate Self-Contained Breathing Apparatus (SCBA)

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a mission.

STANDARD: To ensure the proper donning of the SCBA.

PERFORMANCE STEPS:

1. Change air bottles as needed.
2. Test for leaks.
3. Perform maintenance and refill the tank as required
4. Remove SCBA.
5. Assemble the SCBA.
6. Inspect SCBA components for serviceability.
7. Check for fit.
8. Don the SCBA.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

EQUIPMENT: SCBA

2336-TOOL-1702: Initiate Remote Firing Device

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a mission.

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

PERFORMANCE STEPS:

1. Assemble the firing device.
2. Employ firing device.
3. Initiate firing device.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
M130 Cap, Blasting Electric M6	3

RANGE/TRAINING AREA: Facility Code 17830 Light Demolition Range

EQUIPMENT: EOD Demo kit

UNITS/PERSONNEL: Trauma certified Corpsman

MISCELLANEOUS:

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

2336-TOOL-1703: Operate a MK 1 Mod 3 Remote Wrench

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a fused ordnance item.

STANDARD: Ensuring successful removal of the fuse.

PERFORMANCE STEPS:

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

REFERENCES:

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

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
A552 Ctg Cal .50	2

M130 Cap, Blasting Electric M6 2
M174 Cartridge, Caliber .50 Impulse Elect 2
M456 Cord, Detonating PETN Type I Class E 10 ft

RANGE/TRAINING AREA:

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

EQUIPMENT: EOD Family of equipment.

UNITS/PERSONNEL: Corpsman with blast/burn trauma training

2336-TOOL-1704: Locate Buried Ordnance

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

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING:

CONDITION: Given a search area.

STANDARD: In order to conduct subsurface survey.

PERFORMANCE STEPS:

1. Determine application to be used.
2. Prepare ordnance locator for use.
3. Search each segment systematically using the ordnance locator.
4. Mark suspected buried UXO.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

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

2336-TOOL-1705: Employ Robotics

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

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a mission.

STANDARD: In order to locate/neutralize the threat and/or hazard.

PERFORMANCE STEPS:

1. Set up robot per AEODPS.
2. Set up the Pacbot for use in RF mode.
3. Set up the Pacbot for use in FO mode.
4. Perform a system functionally check to include the firing circuit.
5. Manipulate the Pacbot through its preset modes.
6. Conduct a recon of an item with the Pacbot.
7. Ascend a set of stairs with the Pacbot.
8. Pick up and emplace an electrically initiated explosive charge on a given target using the Pacbot.
9. Detonate an electrically initiated explosive charge with the Pacbots firing circuit.
10. Perform the performance steps during daylight and nocturnal operations.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
A011 Cartridge, 12 Gauge #00 Buckshot M16	3
AA54- Cartridge, 12 Gauge, Breaching, M103	2
AA54- Cartridge, 12 Gauge, Breaching, M103	2
DWEI Pyrotechnic Lead Spool Assembly, MK	1
M023 Charge, Demolition Block M112 1-1/4	3
M032 Charge, Demolition Block TNT 1-Pound	5
MN88 Cap, Blasting, 500 ft mini-tube M21	3
MN90 Cap, Blasting, 1000 ft mini-tube M23	10 rolls

RANGE/TRAINING AREA:

Facility Code 17430 Impact Area Dudded
Facility Code 17502 Non-Standard Small Arms Range
Facility Code 17830 Light Demolition Range
Facility Code 17821 Engineer Qualification Range, Automated/Standardiz
Facility Code 17962 MOUT Collective Training Facility (Small)
Facility Code 17963 MOUT Collective Training Facility (Large)
Facility Code 17820 Engineer Qualification Range, Non-Standardized
Facility Code 17431 Impact Area Non-Dudded

EQUIPMENT: EOD Family of Equipment.

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

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

MISCELLANEOUS:

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

2336-TOOL-1706: Employ the MK 2 .50 Cal De-armorer

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an explosive ordnance item.

STANDARD: In order to render safe the munition.

PERFORMANCE STEPS:

1. Follow de-armorer set up procedures per AEODPS.
2. Reference AEODPS for fuse render safe procedure.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
A555 Cartridge, Caliber .50 Ball M33 Link	2
M131 Cap, Blasting Non-Electric M7	2
M174 Cartridge, Caliber .50 Impulse Elect	3
M456 Cord, Detonating PETN Type I Class E	10 ft
M670 Fuse, Blasting Time M700	12 ft
MN08 Igniter, Time Blasting Fuse with Sho	2

RANGE/TRAINING AREA:

Facility Code 17431 Impact Area Non-Dudded
Facility Code 17430 Impact Area Dudded

Facility Code 17830 Light Demolition Range
Facility Code 17820 Engineer Qualification Range, Non-Standardized

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.

2336-TOOL-1707: Employ the PAN Disruptor

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

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an explosive ordnance item.

STANDARD: In order to disrupt the firing circuit.

PERFORMANCE STEPS:

1. Identify target and point of impact.
2. Clear the downrange hazard area of personnel.
3. Select the proper cartridge and set up the tool per AEODPS.
4. Fire shot per AEODPS.
5. Validate the item has been properly rendered safe.
6. Submit the required reports.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
AA62 CTG, 12 GA, MK 274 UVS EOD USE	1
AA63 CTG, 12 GA, MK 275 IEDSD EOD USE	1
AA64 CTG, 12 GA, MK 276	1
AA66 CTG, 12 GA, MK278 NON-LETHAL	1
DWEC Cartridge, 12 Gauge, MK 277 MOD 0 (E	1
DWED CTG, 12 Gauge, MK 279 Steel Slug	1
DWEE CTG, 12 Gauge, MK 280 Aluminum Slug	1
DWEI Pyrotechnic Lead Spool Assembly, MK	2
ML03 Firing Device, Demolition Multi-Purp	2
MN08 Igniter, Time Blasting Fuse with Sho	1

RANGE/TRAINING AREA:

Facility Code 17431 Impact Area Non-Dudded

Facility Code 17430 Impact Area Dudded
Facility Code 17820 Engineer Qualification Range, Non-Standardized
Facility Code 17821 Engineer Qualification Range, Automated/Standardiz
Facility Code 17830 Light Demolition Range

2336-TOOL-1708: Operate the Advanced Radiological Detection Equipment

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

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a requirement.

STANDARD: To accurately determine the types and dose rates of contamination present.

PERFORMANCE STEPS:

1. Prepare detector.
2. Conduct monitoring.
3. Document types and doses present.

REFERENCES:

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

2336-TOOL-1709: Employ Radiographics

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

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a mission.

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

PERFORMANCE STEPS:

1. Place X-Ray apparatus and cassette at an appropriate distance on the IED in accordance with AEODPS.
2. Set desire number of pulses on x-ray.

3. Function the X-Ray.
4. Recover equipment.
5. Interpret X-Ray image.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

EQUIPMENT: X-Ray, Field Processor, Polaroid 803 Film and enclosed training IED

2336-TOOL-1710: Employ the MK 40 Unexploded Ordnance Standoff Disruptor

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a requirement.

STANDARD: In order to disrupt the firing circuit.

PERFORMANCE STEPS:

1. Identify target and point of impact.
2. Clear the downrange hazard area of personnel.
3. Select the proper cartridge and set up the tool per AEODPS.
4. Fire shot per AEODPS.
5. Validate the item has been properly rendered safe.
6. Submit the required reports.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
M174 Cartridge, Caliber .50 Impulse Elect	2

RANGE/TRAINING AREA:

Facility Code 17820 Engineer Qualification Range, Non-Standardized
Facility Code 17830 Light Demolition Range
Facility Code 17431 Impact Area Non-Dudded
Facility Code 17430 Impact Area Dudded

2336-TOOL-1711: Utilize EOD Bomb Suit

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a requirement.

STANDARD: To ensure mitigation of personal injury.

PERFORMANCE STEPS:

1. Identify threat.
2. Determine configuration.
3. Prepare equipment.
4. Execute mission.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

EQUIPMENT: Bomb suite. EOD family of equipment.

OTHER SUPPORT REQUIREMENTS: Must have full time access to refrigerator for cooling unit.

2336-TOOL-1712: Employ the EOD MK 36 Non Magnetic Tool Set

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a requirement.

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

PERFORMANCE STEPS:

1. Observe applicable safeties.
2. Make approach.
3. Execute mission.

REFERENCES:

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

SUPPORT REQUIREMENTS:

EQUIPMENT: MK 36 Magnetic tool set

2336-TOOL-1713: Employ the AN/PDX-2 (QDR Kit)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an incident.

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

PERFORMANCE STEPS:

1. Observe applicable safeties.
2. Make approach.
3. Execute mission.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
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6004. 2000-LEVEL EVENTS

2336-ADMN-2001: Conduct EOD Reporting

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an EOD operation.

STANDARD: To ensure completion of all required information.

PERFORMANCE STEPS:

1. Identify type of report.
2. Document information.
3. Submit report.
4. Maintain a copy.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. MCO 3571.2_ Explosive Ordnance Disposal (EOD) Program
3. Op Order Annex C Appendix 13
4. Military Munitions Rule

SUPPORT REQUIREMENTS:

EQUIPMENT: EOD Family of Equipment.

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: Must have full time access to SIPRNET.

2336-ADMN-2002: Validate EOD Reporting

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: MSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an EOD operation.

STANDARD: To ensure data entry is accurate.

PERFORMANCE STEPS:

1. Verify report type.
2. Reconcile information.
3. Submit report to higher.
4. Confirm receipt.
5. File report.

REFERENCES:

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

SUPPORT REQUIREMENTS:

EQUIPMENT: EOD Family of Equipment.

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: Must have full time access to SIPRNET.

2336-ADMN-2003: Manage Class V

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an EOD mission.

STANDARD: To ensure allocation computation supports mission requirement.

PERFORMANCE STEPS:

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

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. MCBul 8011 CLASS V(W) MATERIEL REQUIREMENTS FOR TRAINING, PROGRAMMED TESTING AND SECURITY

3. NAVSEA SWO20-AC-SAF-010 Transportation and Storage Data for Ammunition, Explosives and Related Hazardous Materials
4. Applicable Marine Corps Orders and Directives

SUPPORT REQUIREMENTS:

EQUIPMENT: EOD Family of Equipment.

2336-ADMN-2004: Apply the Military Munitions Rule

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

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an EOD operation.

STANDARD: To ensure compliance with applicable laws/regulations.

PERFORMANCE STEPS:

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

REFERENCES:

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

2336-ADMN-2005: Prepare Standing Operating Procedures (SOP)

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

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: MSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a requirement.

STANDARD: To ensure unit compliance.

PERFORMANCE STEPS:

1. Review mission statement.
2. Determine requirements.
3. Identify required procedures.
4. Submit for review and/or approval.
5. Update procedures, when applicable.

REFERENCES:

1. MCO 3571.2 Explosive Ordnance Disposal (EOD) Program
2. NOSSA INST 8023.11 Standard Operating Procedures Development Implementation and Maintenance for Ammunition and Explosives
3. Applicable Marine Corps Orders and Directives

SUPPORT REQUIREMENTS:

EQUIPMENT: EOD Family of Equipment.

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: Must have full time access to SIPRNET.

2336-DEMO-2101: Employ Improvised Disruption Charges

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 24 months

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a mission.

STANDARD: To ensure explosive device is successfully neutralized.

PERFORMANCE STEPS:

1. Evaluate target.
2. Determine charge to use.
3. Assemble charge.
4. Emplace charge.
5. Fire charge.
6. Evaluate shot results.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. FM 3-90.15 Tactics, Techniques, and Procedures for Tactical Operations Involving Sensitive Sites
3. FM 5-25 Explosives and Demolitions
4. MCO 3502.3 Marine Expeditionary Unit (Special Operations Capable)

5. NAVSEA OP 5 Vol 1 Ammunition and Explosives/Ashore Safety Regulations of Handling, Storage, Production, Renovation and Shipping
6. NAVSEA SWO60-AA-MMA-010 Demolition Materials

SUPPORT REQUIREMENTS:

ORDNANCE:

	<u>Quantity</u>
DODIC	
DWEI Pyrotechnic Lead Spool Assembly, MK	1
G900 Grenade, Hand Incendiary Thermite AN	3
M023 Charge, Demolition Block M112 1-1/4	5
M032 Charge, Demolition Block TNT 1-Pound	3
M130 Cap, Blasting Electric M6	5
M131 Cap, Blasting Non-Electric M7	5
M174 Cartridge, Caliber .50 Impulse Elect	2
M456 Cord, Detonating PETN Type I Class E	50 ft
M591 Dynamite, Military M1	1
M670 Fuse, Blasting Time M700	50 ft
M981 Charge, Demolition Sheet 0.125 Inch	5 ft
MN08 Igniter, Time Blasting Fuse with Sho	5
MN88 Cap, Blasting, 500 ft mini-tube M21	1
MN90 Cap, Blasting, 1000 ft mini-tube M23	1

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 17962 MOJT Collective Training Facility (Small)
Facility Code 17963 MOJT Collective Training Facility (Large)
Facility Code 17830 Light Demolition Range

EQUIPMENT: EOD Family of equipment.

2336-DEMO-2102: Employ Commercial and/or Foreign Military Explosives

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 24 months

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a mission.

STANDARD: In order to successfully perform EOD procedures, indentifying and utilizing explosives across the area of operations.

PERFORMANCE STEPS:

1. Evaluate target.
2. Identify explosives.

3. Choose explosives.
4. Prepare explosives.
5. Emplace explosives.
6. Fire charge.
7. Evaluate shot results.

REFERENCES:

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

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17830 Light Demolition Range
Facility Code 17962 MOU Collective Training Facility (Small)
Facility Code 17710 Multipurpose Training Range (MPTR)
Facility Code 17963 MOU Collective Training Facility (Large)
Facility Code 17430 Impact Area Dudded
Facility Code 17431 Impact Area Non-Dudded

EQUIPMENT: EOD Demo Kit

MATERIAL: Civilian or foreign explosives

UNITS/PERSONNEL: Trauma Certified Corpsman

2336-IED-2202: Supervise an Improvised Explosive Device (IED) response

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a mission.

STANDARD: To ensure threat is eliminated.

PERFORMANCE STEPS:

1. Validate intelligence.
2. Verify threat.
3. Validate threat assessment.
4. Brief team.
5. Validate render safe procedures.
6. Receive evidence.

7. Validate report.
8. Submit evidence/report(s).

REFERENCES:

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

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

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

EQUIPMENT: Family of EOD Equipment

2336-IED-2203: Manage Improvised Explosive Device (IED) responses

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: MSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a mission.

STANDARD: To ensure threat is eliminated.

PERFORMANCE STEPS:

1. Conduct mission analysis.
2. Assign personnel.
3. Prioritize mission(s).
4. Assign mission(s).
5. Compile evidence/report(s).

REFERENCES:

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

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

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

EQUIPMENT: Family of EOD Equipment

2336-INTL-2301: Perform a Post-Blast Analysis

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 24 months

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: SSGT, GYSGT, MSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a requirement.

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

PERFORMANCE STEPS:

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

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. FM 3-90.15 Tactics, Techniques, and Procedures for Tactical Operations Involving Sensitive Sites
3. MCO 3571.2 Explosive Ordnance Disposal (EOD) Program
4. MCRP 3-17.2 Multiservice Procedures for Explosive Ordnance Disposal (NTP) in a Joint Environment

SUPPORT REQUIREMENTS:

ORDNANCE:

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

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

RANGE/TRAINING AREA:

Facility Code 17430 Impact Area Dudded
Facility Code 17963 MOU Collective Training Facility (Large)
Facility Code 17410 Maneuver/Training Area, Light Forces
Facility Code 17830 Light Demolition Range

EQUIPMENT: EOD Family of equipment

2336-INTL-2302: Analyze Advanced Improvised Explosive Device Electronic Components

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: SSGT, GYSGT, MSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a circuit.

STANDARD: In order to accurately determine the function of all components.

PERFORMANCE STEPS:

1. Identify all components.
2. Determine circuitry.
3. Develop RSP.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

MATERIAL: Electrical components, X-Ray pictures, and schematics

2336-INTL-2303: Support EOD Intelligence Preparation of Battlefield

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a theater of operations.

STANDARD: To ensure mission accomplishment.

PERFORMANCE STEPS:

1. Analyze intelligence.
2. Coordinate with applicable agencies.
3. Advise development and/or review of operational plan.
4. Advise T/O and T/E requirement to mitigate threat.

REFERENCES:

1. MCWP 5-1 Marine Corps Planning Process
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2336-INTL-2304: Conduct Explosive Ordnance Stripping Operations

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an ordnance item.

STANDARD: In order to minimize explosive hazards.

PERFORMANCE STEPS:

1. Develop procedures.
2. Submit procedures.
3. Prepare equipment.
4. Execute plan.
5. Verify procedures.
6. Determine disposition.
7. Submit report.

REFERENCES:

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

SUPPORT REQUIREMENTS:

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

Facility Code 17821 Engineer Qualification Range, Automated/Standardiz
Facility Code 17710 Multipurpose Training Range (MPTR)

EQUIPMENT: EOD family of equipment.

2336-INTL-2305: Conduct Disassembly Operations

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: This event determines the participants ability conduct the process of separating components.

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an ordnance item.

STANDARD: In order to safely separate components.

PERFORMANCE STEPS:

1. Develop procedures.
2. Submit procedures.
3. Prepare equipment.
4. Execute plan.
5. Verify procedures.
6. Determine disposition.
7. Submit report.

REFERENCES:

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

SUPPORT REQUIREMENTS:

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

EQUIPMENT: EOD family of equipment.

2336-INTL-2306: Conduct Inerting operations

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an ordnance item.

STANDARD: In order to completely remove all hazards.

PERFORMANCE STEPS:

1. Develop procedures.
2. Submit procedures.
3. Execute plan.
4. Verify procedures.
5. Determine disposition.
6. Submit report.

REFERENCES:

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

SUPPORT REQUIREMENTS:

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

EQUIPMENT: EOD family of equipment, Explosive Wash Out System (EWOS).

2336-INTL-2307: Conduct technical exploitation

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an ordnance item.

STANDARD: To indentify functioning of components.

PERFORMANCE STEPS:

1. Determine condition.
2. Determine the best exploitation method.

3. Conduct exploitation.
4. Submit Report.

REFERENCES:

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

SUPPORT REQUIREMENTS:

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

EQUIPMENT: EOD family of equipment.

2336-NEUT-2401: Remove lodged projectile from a gun tube

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 24 months

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a requirement.

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

PERFORMANCE STEPS:

1. Verify gun crew has performed stuck round procedures.
2. Determine appropriate procedures.
3. Execute appropriate procedures.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
D529 Projectile, 155mm High Explosive M79	
M023 Charge, Demolition Block M112 1-1/4	1
M130 Cap, Blasting Electric M6	2
M174 Cartridge, Caliber .50 Impulse Elect	1
M456 Cord, Detonating PETN Type I Class E	1 ft

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 17431 Impact Area Non-Dudded
Facility Code 17821 Engineer Qualification Range, Automated/Standardiz
Facility Code 17670 Mortar Range
Facility Code 17671 Field Artillery Indirect Fire Range

EQUIPMENT: EOD Family of Equipment. M198/M777 Howitzer gun system

MATERIAL: Tape & water.

OTHER SUPPORT REQUIREMENTS: Large caliber foreign weapons.

2336-NEUT-2402: Neutralize ordnance by low order detonation

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 24 months

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a munition.

STANDARD: To ensure deflagration of the explosives.

PERFORMANCE STEPS:

1. Identify munitions.
2. Identify tool or explosive to employ.
3. Position explosive or tool.
4. Initiate explosive or tool.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
G900 Grenade, Hand Incendiary Thermite AN	6
M023 Charge, Demolition Block M112 1-1/4	1
M130 Cap, Blasting Electric M6	10
M131 Cap, Blasting Non-Electric M7	2
M474 Container, Demolition Charge MK1 Mod	1
M475 Container, Demolition Charge MK2 Mod	1
M476 Container, Demolition Charge MK3 Mod	1
M477 Container, Demolition Charge MK7 Mod	1
M478 Container, Demolition Charge MK7 Mod	1

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

RANGE/TRAINING AREA:

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

EQUIPMENT: EOD Family of equipment.

2336-NEUT-2403: Download U.S. and Foreign Explosive Ordnance from Weapon Systems

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: There are numerous explosive hazards that can be encountered in the conduct of this event as follows: MK19, mortars, artillery, LAV, tanks and AAV/EFV. This also includes foreign systems.

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a weapons system.

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

PERFORMANCE STEPS:

1. Identify weapon platform.
2. Determine PPE requirements.
3. Establish a safe area.
4. Develop plan in accordance with applicable manuals.

5. Determine equipment.
6. Execute plan.
7. Turn system over to owning unit or intelligence personnel.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. Applicable TMs

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17830 Light Demolition Range

EQUIPMENT: U.S. and Foreign weapon systems.

2336-NEUT-2404: Desensitize conventional/homemade explosives

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a requirement.

STANDARD: To ensure complete neutralization of explosives.

PERFORMANCE STEPS:

1. Identify explosive and/or precursors.
2. Don appropriate PPE.
3. Collect samples.
4. Identify method, technique, and procedure to be used.
5. Execute neutralization technique.
6. Submit report.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17830 Light Demolition Range

EQUIPMENT: Chemical precursors.

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: For additional references refer to the FBI Bomb data report or the HME Program of Instruction.

2336-NEUT-2405: Employ Vehicle Access Charges

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 24 months

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a requirement.

STANDARD: To successfully gain access to the target area.

PERFORMANCE STEPS:

1. Identify target.
2. Identify charge size.
3. Determine appropriate Class V (W) requirement.
4. Determine non-explosive material.
5. Construct charge.
6. Place charge.
7. Determine effectiveness of charge.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
DWEI Pyrotechnic Lead Spool Assembly, MK	1
M023 Charge, Demolition Block M112 1-1/4	1
M130 Cap, Blasting Electric M6	3
M456 Cord, Detonating PETN Type I Class E	50 ft
M981 Charge, Demolition Sheet 0.125 Inch	4 ft
MN90 Cap, Blasting, 1000 ft mini-tube M23	1

RANGE/TRAINING AREA:

Facility Code 17830 Light Demolition Range
Facility Code 17430 Impact Area Dudded
Facility Code 17431 Impact Area Non-Dudded

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

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

2336-NEUT-2406: Employ Stand off Munitions Ordnance Disruption

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 24 months

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a requirement.

STANDARD: In order to neutralize explosive ordnance.

PERFORMANCE STEPS:

1. Identify munition.
2. Select appropriate weapon system.
3. Determine safe area.
4. Evaluate environmental conditions.
5. Employ weapon system.
6. Verify neutralization.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. Applicable TMs

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
A555 Cartridge, Caliber .50 Ball M33 Link	8
A606 Cartridge, Caliber .50 API MK211 Mod	2
AA11 Cartridge, 7.62mm Long Range M118 LR	10

RANGE/TRAINING AREA:

Facility Code 17430 Impact Area Dudded
Facility Code 17970 Radar-Bomb-Scoring Facility
Facility Code 17560 Sniper Field-Fire Range
Facility Code 17431 Impact Area Non-Dudded

EQUIPMENT: EOD Family of equipment

2336-NEUT-2407: Employ volumetric charges

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a target.

STANDARD: In order to disrupt circuitry.

PERFORMANCE STEPS:

1. Select charge.
2. Construct charge.
3. Determine emplacement method.
4. Emplace charge.
5. Validate results.

REFERENCES:

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

SUPPORT REQUIREMENTS:

ORDNANCE:

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

RANGE/TRAINING AREA:

Facility Code 17830 Light Demolition Range
Facility Code 17820 Engineer Qualification Range, Non-Standardized
Facility Code 17430 Impact Area Dudded
Facility Code 17431 Impact Area Non-Dudded

EQUIPMENT: EOD Family of Equipment.

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

UNITS/PERSONNEL: Corpsman with Trauma Training

2336-OPS-2501: Support WMD Operations

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: SSGT, GYSGT, MSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a mission.

STANDARD: In order to integrate EOD into the mission plan.

PERFORMANCE STEPS:

1. Receive Commander's intent.
2. Conduct mission analysis.
3. Coordinate with appropriate agencies.
4. Determine mission essential equipment
5. Advise commander of capabilities and limitations.
6. Submit reports.

REFERENCES:

1. DODDIR 3150.5 DOD Response to Improvised Nuclear Device (IND) Incidents
 2. DODDIR 3150.8 DOD Response to Radiological Accidents
 3. JP 3-40 Joint Doctrine Combating Weapons of Mass Destruction
 4. MCO 3571.2_ Explosive Ordnance Disposal (EOD) Program
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2336-OPS-2502: Support ATFP Operations

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: SSGT, GYSGT, MSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a threat assessment.

STANDARD: In order mitigate the effects of weapons and threats against installations and friendly forces.

PERFORMANCE STEPS:

1. Receive Commander's intent.
2. Review threat assessment.
3. Coordinate with appropriate agencies.
4. Determine mission essential equipment.
5. Advise commander of capabilities and limitations.

REFERENCES:

1. JP 3-40 Joint Doctrine Combating Weapons of Mass Destruction
 2. MCO 3571.2_ Explosive Ordnance Disposal (EOD) Program
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2336-OPS-2503: Employ advanced access/disablement techniques

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a requirement.

STANDARD: To successfully gain access without triggering sensors.

PERFORMANCE STEPS:

1. Collect target intelligence.
2. Identify locking/sensor systems.
3. Determine entry point.
4. Select appropriate TTPs.
5. Conduct entry.

REFERENCES:

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

SUPPORT REQUIREMENTS:

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

EQUIPMENT: Assault Breacher Tool Kit, Lock Neutralization Kit, SOF Demolition Kit, Commercial locksmith database, Common EOD tools, and personnel equipment/weapons.

MISCELLANEOUS:

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

2336-OPS-2504: Operate in confined spaces

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a mission.

STANDARD: In order to safely perform required task.

PERFORMANCE STEPS:

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

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
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2336-SOF-2601: Provide EOD Assault Support to SOF

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: Providing EOD support to USSOCOM upon identification of an explosive threat the EOD technician must assess the threat, formulate a course of action and conduct such action in order to provide the minimum loss of momentum to the operation while guarding against friendly loss of life or injury.

MOS PERFORMING: 2336

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an environment.

STANDARD: In order to neutralize or destroy the explosive threat.

PERFORMANCE STEPS:

1. Respond to the appropriate call sign and code word.
2. Confirm or deny the suspect threat.
3. Take measures to protect the force as required.
4. Take measures to provide security as required.
5. Search immediate area for secondary threats.
6. Take appropriate action to eliminate the threat.
7. Confirm positive action on the threat.
8. Conduct SSE.
9. Recover all tools and equipment.
10. Execute mission.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

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

ROOMS/BUILDINGS: Shooting house

MISCELLANEOUS:

SPECIAL PERSONNEL CERTS: Graduate the MARSOC SOF EOD level 1 Course.

2336-SOF-2602: Conduct target analysis

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: Providing EOD support to MARSOC, the EOD technician will assist with Target Analysis utilizing the CARVER method in support of SOF mission planning.

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an environment.

STANDARD: In order to neutralize or destroy the threat.

PERFORMANCE STEPS:

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

REFERENCES:

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

MISCELLANEOUS:

SPECIAL PERSONNEL CERTS: Target Analysis Course

2336-SOF-2603: Conduct applied explosive techniques

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: Providing EOD support to MARSOC the EOD technician will be familiar with all SOF Demolition kits and procedures. He will provide subject matter expert information regarding all energetic materials, tactics, techniques and procedures. He must be familiar with non-standard and foreign demolition materials. He will be knowledgeable on the application of improvised charges and the manufacture of Home Made Explosives (HME) and incendiaries.

MOS PERFORMING: 2336

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an environment.

STANDARD: To ensure mission accomplishment.

PERFORMANCE STEPS:

1. Conduct mission analysis.
2. Conduct Target analysis.
3. Determine explosives and initiators available.
4. Determine host nation explosives and initiators available.
5. Determine regional commercial products available.
6. Develop course of action for technique.

REFERENCES:

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

MISCELLANEOUS:

SPECIAL PERSONNEL CERTS: Graduate the Applied Explosive Techniques (AET) course.

2336-SOF-2604: Identify home made explosive and precursors

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: Providing EOD support to MARSOC the EOD technician must be familiar with all equipment associated to produce small to large scale Home Made Explosive (HME) production. He must also be familiar with all precursors, their hazards and what types of HME they are likely to produce. The EOD technician must be able to assess during a SOF SSE the current safety condition of the site, determine the type of production lab at hand (HME, Chem-bio, drug), gather samples and store for transportation per SSE SOP.

MOS PERFORMING: 2336

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an environment.

STANDARD: In order to eliminate HME threat(s).

PERFORMANCE STEPS:

1. Identify common precursors.
2. Determine terrorist funding.
3. Assess terrorist skill level.
4. Identify Lab equipment.
5. Conduct field testing.
6. Determine if a field lab is producing HME or other substances (Chem-bio, drug).
7. Submit report to higher agencies.

REFERENCES:

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

MISCELLANEOUS:

SPECIAL PERSONNEL CERTS: Complete 40hrs of HME training.

2336-SOF-2605: Perform detonator and switch defeat

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: This procedure will only be conducted during a Cat A scenario. This procedure requires the MARSOC EOD technician to work in close proximity to the device thus placing him in far greater danger than using a remote or disruptor procedure.

MOS PERFORMING: 2336

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an environment.

STANDARD: In order to neutralize the threat.

PERFORMANCE STEPS:

1. Determine electronic characteristics.
2. Differentiate between possible IED firing circuits and terrorist trap methods.
3. Verify neutralization.
4. Submit report.

REFERENCES:

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

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17962 MOUT Collective Training Facility (Small)

Facility Code 17963 MOUT Collective Training Facility (Large)
Facility Code 17710 Multipurpose Training Range (MPTR)

2336-SOF-2606: Perform alarm defeat

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: Alarm systems can be used as a firing system or as a means of protecting the device itself. The EOD technician must be familiar with the technology used by more commonly utilized sensors and forms of wiring systems that need to be understood in order to successfully bypass the system.

MOS PERFORMING: 2336

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an environment.

STANDARD: In order to neutralize the threat.

PERFORMANCE STEPS:

1. Identify alarm systems.
2. Determine their operating parameters.
3. Demonstrate correct use of diagnostic equipment and drills.
4. Analyze diagnostics results
5. Employ bypass procedures.
6. Submit report.

REFERENCES:

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

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17710 Multipurpose Training Range (MPTR)
Facility Code 17962 MOUT Collective Training Facility (Small)
Facility Code 17963 MOUT Collective Training Facility (Large)

MISCELLANEOUS:

SPECIAL PERSONNEL CERTS: MARSOC SOF EOD Level 1 Certificate

2336-SOF-2607: Access closed containers (Hand Entry)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: The EOD technician must be able to access all types of containers associated with the accomplishment of his EOD task associated with

SOF missions. The EOD technician must have be able to utilize tin snips, exothermic torch, quick saw, energetic tools, video probe, and skill saw.

MOS PERFORMING: 2336

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an environment.

STANDARD: In order to gain entry.

PERFORMANCE STEPS:

1. Identify container.
2. Determine equipment.
3. Utilize equipment.
4. Submit reports.

REFERENCES:

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

SUPPORT REQUIREMENTS:

- MATERIAL:** 1. Large metal container includes vehicles and ISO type boxes.
2. Large wood container includes structures built with wood frame. 3.
Large concrete containers includes walls and pre-fabricated construction
type objects, to include reinforced.
-

2336-SOF-2608: Prepare EOD equipment for SOF employment

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: Due to the unique environment associated with SOF missions the EOD technician must be familiar with the methods to pack, protect, silence, and employ EOD equipment. Protect it from airborne and amphibious operational hazards, extreme environmental conditions, multiple-operational climates (overt, clandestine, in-extremis). He must be prepared to support the full spectrum of SOF missions providing a robust EOD capability in all environments to include clandestine work in non-standard uniforms.

MOS PERFORMING: 2336

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a mission.

STANDARD: To ensure mission accomplishment.

PERFORMANCE STEPS:

1. Conduct mission analysis.

2. Conduct waterborne operation, if applicable.
3. Conduct airborne operation, if applicable.
4. Determine applicable equipment.
5. Silence and dull equipment.

REFERENCES:

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

MISCELLANEOUS:

SPECIAL PERSONNEL CERTS: MARSOC EOD SOF Level 1 completion certificate.

2336-SOF-2609: Conduct Clandestine operations

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

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

MOS PERFORMING: 2336

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a requirement.

STANDARD: In order to integrate into an ASO/TSO qualified team.

PERFORMANCE STEPS:

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

REFERENCES:

1. MCO 3571.2_ Explosive Ordnance Disposal (EOD) Program
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2336-SOF-2610: Conduct an EOD threat assessment

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: Clearly identifying the goal of the mission is one of the first steps in developing a threat assessment. The goal has significant impact upon the acceptable risk level for executing the mission. For example, if the mission is to save life, practically any risk is justified. On the other hand, if the mission is to capture a low-value target, the acceptable risk level is lower and some of the RSP options should be rejected.

MOS PERFORMING: 2336

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an environment.

STANDARD: In order to mitigate risk.

PERFORMANCE STEPS:

1. Identify limiting factors.
2. Develop plan of attack.
3. Execute plan.

REFERENCES:

1. MCO 3571.2_ Explosive Ordnance Disposal (EOD) Program
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2336-SOF-2611: Conduct precision disruption

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: Based on the EOD threat assessment the technician must prepare, emplace, site-in and shoot the PAN disrupter to successfully neutralize the threat with minimum collateral damage.

MOS PERFORMING: 2336

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a requirement.

STANDARD: In order to hit a lin xlin target within a half inch from at least 10ft.

PERFORMANCE STEPS:

1. Determine target point.
2. Compute the speed of circuit.
3. Select appropriate equipment.
4. Emplace tool.
5. Execute mission.

REFERENCES:

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

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
A091 Cartridge, Caliber .22 Ball Long Rif	
A363 Cartridge, 9mm Ball M882	
AA62 CTG, 12 GA, MK 274 UVS EOD USE	
AA63 CTG, 12 GA, MK 275 IEDSD EOD USE	

AA64- Cartridge, 12 Gauge Low Velocity Bla
AA66- Cartridge, 12 Gauge Com. Black Powde
DWEI Pyrotechnic Lead Spool Assembly, MK
M174 Cartridge, Caliber .50 Impulse Elect
M980 Charge, Demolition Sheet 0.0831 Inch
MN08 Igniter, Time Blasting Fuse with Sho
MN88 Cap, Blasting, 500 ft mini-tube M21
MN90 Cap, Blasting, 1000 ft mini-tube M23

2336-SOF-2612: Conduct precision access

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: This technique uses various explosive tools to gain access and disrupt target materials. The majority of the tools are specific shape and volumetric charges. The tools can either gain access for exploratory purposes or target a specific component.

MOS PERFORMING: 2336

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a requirement.

STANDARD: In order to gain access with minimal damage.

PERFORMANCE STEPS:

1. Determine target point.
2. Compute the speed of circuit.
3. Select appropriate equipment.
4. Emplace tool.
5. Execute mission.

REFERENCES:

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

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
A091 Cartridge, Caliber .22 Ball Long Rif	
A363 Cartridge, 9mm Ball M882	
AA62 CTG, 12 GA, MK 274 UVS EOD USE	
AA63 CTG, 12 GA, MK 275 IEDSD EOD USE	
AA64- Cartridge, 12 Gauge Low Velocity Bla	
AA66- Cartridge, 12 Gauge Com. Black Powde	
DWEI Pyrotechnic Lead Spool Assembly, MK	
M174 Cartridge, Caliber .50 Impulse Elect	
M980 Charge, Demolition Sheet 0.0831 Inch	

MN08 Igniter, Time Blasting Fuse with Sho
MN88 Cap, Blasting, 500 ft mini-tube M21
MN90 Cap, Blasting, 1000 ft mini-tube M23

2336-SOF-2613: Advise EOD Special Operations support

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2336

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a requirement.

STANDARD: In order to Brief the Commander on EOD requirements.

PERFORMANCE STEPS:

1. Analyze mission statement.
2. Conduct geographical study.
3. Determine EOD capabilities within the region.
4. Determine EOD related threats within the region.
5. Gather data and intelligence.
6. Build EOD mission folder.
7. Prepare EOD brief tailored to mission requirements.
8. Identify specific equipment requirements.
9. Identify and coordinate the issue of class V(w) requirements.
10. Submit reports.

REFERENCES:

1. MCO 3571.2_ Explosive Ordnance Disposal (EOD) Program
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2336-SUPR-2701: Supervise conventional ordnance operations

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a mission.

STANDARD: To ensure mission accomplishment.

PERFORMANCE STEPS:

1. Identify requirement.

2. Conduct mission analysis.
3. Develop course of actions.
4. Validate neutralization and/or destruction of hazards.
5. Submit reports.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
 2. MCO 3571.2 Explosive Ordnance Disposal (EOD) Program
 3. NAVSEA SWO60-AA-MMA-010 Demolition Materials
 4. Applicable Marine Corps Orders and Directives
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2336-SUPR-2702: Manage conventional ordnance operations

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: MSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a mission.

STANDARD: To ensure mission accomplishment.

PERFORMANCE STEPS:

1. Validate requirement.
2. Validate mission analysis.
3. Determine course of actions.
4. Verify neutralization and/or destruction of hazards.
5. Validate reports.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
 2. MCO 3571.2 Explosive Ordnance Disposal (EOD) Program
 3. NAVSEA SWO60-AA-MMA-010 Demolition Materials
 4. Applicable Marine Corps Orders and Directives
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2336-SUPR-2703: Supervise CBRNE operations

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a mission.

STANDARD: To ensure mission accomplishment.

PERFORMANCE STEPS:

1. Identify requirement.
2. Conduct mission analysis.
3. Develop course of actions.
4. Validate neutralization and/or destruction of hazards.
5. Submit reports.

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 of Handling, Storage, Production, Renovation and Shipping
 4. NAVSEA SWO60-AA-MMA-010 Demolition Materials
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2336-SUPR-2704: Manage CBRNE operations

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: MSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a mission.

STANDARD: To ensure mission accomplishment.

PERFORMANCE STEPS:

1. Validate requirement.
2. Validate mission analysis.
3. Determine course of actions.
4. Verify neutralization and/or destruction of hazards.
5. Validate reports.

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 of Handling, Storage, Production, Renovation and Shipping
 4. NAVSEA SWO60-AA-MMA-010 Demolition Materials
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2336-SUPR-2705: Supervise EOD Intelligence operations

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a mission.

STANDARD: To ensure mission accomplishment.

PERFORMANCE STEPS:

1. Identify requirement.
2. Conduct mission analysis.
3. Develop course of actions.
4. Validate neutralization and/or destruction of hazards.
5. Submit reports.

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 of Handling, Storage, Production, Renovation and Shipping
 4. NAVSEA SWO60-AA-MMA-010 Demolition Materials
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2336-SUPR-2706: Manage EOD Intelligence operations

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: MSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a mission.

STANDARD: To ensure mission accomplishment.

PERFORMANCE STEPS:

1. Validate requirement.
2. Validate mission analysis.
3. Determine course of actions.
4. Verify neutralization and/or destruction of hazards.
5. Validate reports.

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 of Handling, Storage, Production, Renovation and Shipping
4. NAVSEA SWO60-AA-MMA-010 Demolition Materials

2336-SUPR-2707: Supervise the Military Munitions Rule

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: MSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an EOD Operation.

STANDARD: To ensure compliance with applicable laws/regulations.

PERFORMANCE STEPS:

1. Validate requirements.
2. Verify internal/external notifications, if applicable.
3. Verify operational status
4. Validate reports.

REFERENCES:

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

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA: Facility Code 17830 Light Demolition Range

EQUIPMENT: EOD family of equipment

OTHER SUPPORT REQUIREMENTS: Coordinate with PM AMMO MARCORSSYSCOM for Code H ammunition.

2336-TOOL-2801: Employ the MK 42 Medium Directional Energetic Tool (MDET)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 24 months

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a mission.

STANDARD: To positively identify location and/or threat

PERFORMANCE STEPS:

1. Prepare equipment.
2. Conduct a functions check.
3. Execute mission.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. Applicable TMs

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
AA66- Cartridge, 12 Gauge Com. Black Powde	1
AX14 Primer, Percussion 12 Gauge W209	2
DWEI Pyrotechnic Lead Spool Assembly, MK	1 spool
DWGB Power Bag Container Assembly, EOD	1

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 17431 Impact Area Non-Dudded

EQUIPMENT: EOD Family of equipment.

UNITS/PERSONNEL: Trauma certified Corpsman

2336-TOOL-2802: Employ advanced radiographic techniques

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

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a target.

STANDARD: In order to obtain a comprehensible radiographic image.

PERFORMANCE STEPS:

1. Observe applicable safeties.

2. Determine placement.
3. Validate image.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. Applicable TMs

2336-TOOL-2803: Employ Remote Firing Device

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

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a requirement.

STANDARD: In order to initiate charges.

PERFORMANCE STEPS:

1. Assemble equipment.
2. Utilize equipment.
3. Verify effects.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. Applicable TMs

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
M130 Cap, Blasting Electric M6	1

RANGE/TRAINING AREA: Facility Code 17830 Light Demolition Range

EQUIPMENT: EOD family of equipment

UNITS/PERSONNEL: Trauma Certified Corpsman

2336-TOOL-2804: Employ the MK 38 Small Cal De-armor

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

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a target.

STANDARD: To engage a pre-designated point.

PERFORMANCE STEPS:

1. Determine impact point.
2. Select appropriate caliber of tool
3. Place tool.
4. Validate effects.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. Applicable TMs

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
A091 Cartridge, Caliber .22 Ball Long Rif	2
A363 Cartridge, 9mm Ball M882	2

RANGE/TRAINING AREA:

Facility Code 17430 Impact Area Dudded
Facility Code 17571 Combat Pistol/MP Firearms Qualification Course
Facility Code 17820 Engineer Qualification Range, Non-Standardized
Facility Code 17821 Engineer Qualification Range, Automated/Standardiz
Facility Code 17830 Light Demolition Range
Facility Code 17431 Impact Area Non-Dudded
Facility Code 17570 Pistol Known Distance (KD) Range

EQUIPMENT: EOD family of equipment

2336-TOOL-2805: Operate the Mechanical Remote Fuse Disassembly Kit (MRFDK)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an ordnance item.

STANDARD: In order to accurately remove components.

PERFORMANCE STEPS:

1. Conduct Preventative Maintenance Checks and Services.
2. Identify required configuration.
3. Execute mission.
4. Validate procedures.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. Applicable TMs

SUPPORT REQUIREMENTS:

EQUIPMENT: EOD family of equipment

2336-TOOL-2806: Employ the Light Weight Disposal Disruptor

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

MOS PERFORMING: 2336

BILLETS: EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an explosive ordnance item.

STANDARD: In order to disrupt the firing circuit.

PERFORMANCE STEPS:

1. Identify target and point of impact.
2. Clear the downrange hazard area of personnel.
3. Select the proper cartridge and set up the tool per AEODPS.
4. Fire shot per AEODPS.
5. Validate the item has been properly rendered safe.
6. Submit the required reports.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
DWDN Charge, Lightweight Disposable Disru	1

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 17821 Engineer Qualification Range, Automated/Standardiz
Facility Code 17830 Light Demolition Range

EOD T&R MANUAL

APPENDIX A

ACRONYMS AND ABBREVIATIONS

ADMIN	Administrative
CBRN	Chemical, Biological, Radiological, and Nuclear Defense
DEMO	Demolition
IED	Improvised Explosive Devices
INTL	Intelligence and Reconnaissance
NEUT	Neutralization and Render Safe Procedure
SOF	Special Operations
MOES	Methods of Entry Skills

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 Pub 1-02, DOD Dictionary of Military and Associated Terms.

A

After Action Review (AAR). A professional discussion of training events conducted after all training to promote learning among training participants. The formality and scope increase with the command level and size of the training evolution. For longer exercises, they should be planned for at predetermined times during an exercise. The results of the AAR shall be recorded on an after action report and forwarded to higher headquarters. The commander and higher headquarters use the results of an AAR to reallocate resources, reprioritize their training plan, and plan for future training.

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. Utilizing the building block approach to progressive training, these collective events are further supported by individual training events at the 1000 and 2000-levels. 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.

D

Deception. Those measures designed to mislead the enemy by manipulation, distortion, or falsification of evidence to induce the enemy to react in a manner prejudicial to the enemy's interests. (JP 1-02)

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.

I

Individual Readiness. The individual training readiness of each Marine is measured by the number of individual events required and completed for the rank or billet currently held.

M

Marine Corps Combat Readiness and Evaluation System (MCCRES). An evaluation system designed to provide commanders with a comprehensive set of mission performance standards from which training programs can be developed; and through which the efficiency and effectiveness of training can be evaluated. The Ground T&R Program will eventually replace MCCRES.

O

Operational Readiness (OR). (DoD or 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

Performance Step. Performance steps are included in the components of an Individual T&R Event. They are the major procedures (i.e., actions) a Marine unit must accomplish to perform an individual event to standard. They describe the procedure the task performer must take to perform the task under operational conditions and provide sufficient information for a task performer to perform the procedure (may necessitate identification of supporting steps, procedures, or actions in outline form). Performance steps follow a logical progression and should be followed sequentially, unless otherwise stated. Normally, performance steps are listed only for 1000-level individual events (those that are taught in the entry-level MOS school). Listing performance steps is optional if the steps are already specified in a published reference.

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).

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.

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.

W

Waived Event. An event that is waived by a commanding officer when in his or her judgment, previous experience or related performance satisfies the requirement of a particular event.

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APPENDIX C

REFERENCES

Department of Defense Directive (DODDIR)

DODDIR 3150.8 DOD Response to Radiological Accidents
DODDIR 3150.5 DOD Response to Improvised Nuclear Device (IND) Incidents

Joint Publications (JPs)

JP 3-40 Joint Doctrine Combating Weapons of Mass Destruction

Marine Corps Order (MCO)

MCO 1510.101 Individual Training Standards System for Marine Corps Special Skills, Vol. II
MCO 3571.2 Explosive Ordnance Disposal (EOD) Program
MCO 8027.1 Interservice Responsibilities for Explosive Ordnance Disposal
MCO 3502.3 Marine Expeditionary Unit (Special Operations Capable)

Marine Corps Requirement Publications (MCRP)

MCRP 3-17.2 Multiservice Procedures for Explosive Ordnance Disposal (NTPP) in a Joint Environment

Marine Corps Warfighting Publications (MCWPs)

MCWP 3-17.2 MAGTF Explosive Ordnance Disposal
MCWP 5-1 Marine Corps Planning Process

Marine Corps Bulletin (MCBul)

MCBul 8011 CLASS V(W) MATERIEL REQUIREMENTS FOR TRAINING, PROGRAMMED TESTING AND SECURITY

Field Manual (FM)

FM 3-11.4 Multiservice tactics, techniques, and procedures for nuclear, biological, and chemical (NBC) protection
FM 3-90.15 Tactics, Techniques, and Procedures for Tactical Operations Involving Sensitive Sites

Navy Manual (NAVSEA)

NAVSEA SW023-AH-WHM-010 Handling Ammunition and Explosives with Industrial Material Handling Equipment (MHE)
NAVSEA SW060-AA-MMA-010 Demolition Materials
NAVSEA OP 5 Vol 1 Ammunition and Explosives/Ashore Safety Regulations of Handling, Storage, Production, Renovation and Shipping
NAVSEA SW020-AC-SAF-010 Transportation and Storage Data for Ammunition, Explosives and Related Hazardous Materials

Miscellaneous

AEODPS 60 Series Automated EOD Publication System
Unit SOP
Applicable Marine Corps Orders and Directives
National Response Plan

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CFR 49 Hazardous Materials
SWOP Special Weapons Ordnance Publications
Applicable SL-3
Applicable TMs
Op Order Annex C Appendix 13
Military Munitions Rule
NOSSA INST 8023.11 Standard Operating Procedures Development Implementation
and Maintenance for Ammunition and Explosives

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APPENDIX D

CLASS V(W) REQUIRED FOR EOD TRAINING

1. The CLASS V listed in this appendix is required for Individual and Collective Training Events. Due to the nature of their training, EOD allotments should be listed separately within the MCO 8011 or Detailed Allowance Report (DAR) and not be lumped in with their parent unit. The bases for EOD training are:

a. Individual Event Training. It is comprised of many tasks that require CLASS V.

b. Collective EOD Section Training. EOD units are built around the EOD Section construct of 1 Officer and 8 enlisted EOD Technicians.

c. Collective Multiple EOD Sections Training. Some units are double the size of a regular EOD Section. These units use the CLASS V of 2 EOD Sections.

d. Collective EOD Company Training. These units are comprised of 18 EOD Sections. Each EOD Company is resident within the Engineer Support Battalion within the Marine Logistics Group.

1) 1st and 2nd EOD Companies will only rate 15 Sections worth of Class V with the other 3 sections going to the standing Marine Expeditionary Units (MEU's).

2) 3rd EOD Company will only rate 16 Sections worth of Class V with the 2 other sections going to CLB-3 in Hawaii and the standing 31st MEU.

2. The following table list the Class V used by the EOD Community.

LIST OF EOD DODIC's

DODIC	NOMENCLATURE
A011	CARTRIDGE, 12 GAGE SHOTGUN, #00 BUCKSHOT M19/M162
A017	CARTRIDGE, 12 GAGE SHOTGUN M162 #9 BUCKSHOT
A059	CARTRIDGE, 5.56MM BALL M855
A091	CARTRIDGE, .22 CAL BALL Long Rifle Match
A363	CARTRIDGE, 9MM BALL NATO XM882
A555	CARTRIDGE, .50 CAL M33 BALL
A606	CARTRIDGE, .50 CALIBER, MK 211 MOD 0 (API)
AA11	CARTRIDGE, 7.62MM, NATO, M118, SPECIAL BALL, LONG RANGE
AA54	12 Gauge Door Breaching M1030
AA60	CTG, 12 GAGE 3 INCH, #00 BUCKSHOT
AA62	CARTRIDGE, 12 GAUGE, MK 274 MOD 0, UVS EOD USE
AA63	CARTRIDGE, 12 GAUGE, MK 275 MOD 0, IEDSD EOD USE
AA64	CARTRIDGE, 12 GAUGE, MK 276 MOD 0 BLANK

AA66	CARTRIDGE, 12 GAUGE, MK 278 MOD 0 BLACK POWDER BLANK
AX14	PRIMER, PERCUSSION
B546	CARTRIDGE, 40MM HEDP M433
B643	CARTRIDGE, 60MM HE M888
BA14	CARTRIDGE, 60MM SMOKE WHITE PHOSPHORUS M722A1
C869	CARTRIDGE, 81MM HE M889/M889A1 with PD Fuze M935
D529	PROJECTILE, 155 MM HE M795
DA12	CHARGE, PROPELLING, 155MM, M231, MODULAR ARTILLERY CHARGE SYSTEM (MACS),
DWDN	CHARGE, MK 171 MOD 0, LIGHTWEIGHT DISPOSABLE DISRUPTER (LIDD)
DWEC	CARTRIDGE, 12 GAUGE, MK 277 MOD 0, ENHANCED BLANK
DWED	CARTRIDGE, 12 GAUGE, MK 279 MOD 0 STEEL SLUG
DWEE	CARTRIDGE, 12 GAUGE, MK 280 MOD 0 ALUMINUM SLUG
DWEI	LEAD, PYROTECHNIC WITH OUT CAP, MK 34 MOD 0 SHOCK TUBE WITHOUT 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
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 REINF, 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
MN88	CAP BLASTING, NON-ELECTRIC, M21 WITH 500 FT. MINITUBE
MN90	CAP, BLASTING, NON-ELECTRIC, M23, WITH 1000 FT. MINITUBE
MU40	CORD, DETONATING, 400 GRAINS PER FOOT
MU42	CORD, DETONATING, 100 GRAINS PER FOOT

3. The following table lists the number of EOD Sections per unit for a total of 87 EOD Sections.

UNIT	number of Sections per unit
1 st EOD Company	15
11 th MEU	1
13 th MEU	1
15 th MEU	1
2 nd EOD Company	15
22 nd MEU	1
24 th MEU	1
26 th MEU	1
3 rd EOD Company	16
31 st MEU	1
CLB-3	1
MWSS 171	1
MWSS 172	1
MWSS 271	1
MWSS 272	1
MWSS 273	1
MWSS 274	1
MWSS 371	1
MWSS 372	1
MWSS 373	1
MWSS 374	1
MWSS 471	1
MWSS 472	1
MWSS 473	1

MCB Camp Butler Japan	1
Camp Fuji Japan	1
Kaneohe Bay MCBH	1
MCB Camp Lejeune	1
MCB Camp Pendleton	1
MCB Quantico	1
MCAS Beaufort	1
MCAS Cherry Point	1
MCAS Iwakuni	1
MCAS Miramar	1
MCAS Camp Pendleton	1
MCAS Yuma	1
CBIRF	2
MAGTFTC EOD	2
1 st MSOB	2
2 nd MSOB	2
Total Number EOD Sections	87

4. The following table lists the Class V requirements for Individual and Collective Event training per Section and the total requirement to support 87 sections throughout the Marine Corps.

DODIC	QUANTITIES FOR INDIVIDUAL TRAINING	X 9 MARINES PER SECTION	QUANTITIES FOR COLLECTIVE TRAINING	TOTAL FOR SECTION TRAINING	TOTAL CLASS V FOR 87 EOD SECTIONS
A011	3	27	1	28	2436
A017	3	27	1	28	2436
A059	0	0	10	10	870
A091	2	18	5	23	2001
A363	2	18	5	23	2001
A555	12	108	0	108	9396
A606	2	18	0	18	1566
AA11	10	90	0	90	7830
AA54	2	18	10	28	2436
AA60	0	0	1	1	87
AA62	1	9	1	10	870
AA63	1	9	1	10	870
AA64	1	9	1	10	870
AA66	2	18	1	19	1653
AX14	2	18	112	130	11310
B546	0	0	1	1	87
B643	0	0	1	1	87
BA14	0	0	1	1	87
C869	0	0	1	1	87
D529	0	0	2	2	174
DA12	2	18	0	18	1566
DWDN	1	9	0	9	783

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DWEC	1	9	5	14	1218
DWED	1	9	1	10	870
DWEE	1	9	1	10	870
DWEI	3000	27000	1000	28000	2436000
DWGB	1	9	1	10	870
G900	29	261	0	261	22707
G940	2	2	1	3	261
G950	0	0	2	2	174
L283	0	0	1	1	87
M023	24	216	21	237	20619
M032	12	108	3	111	9657
M039	0	0	1	1	87
M130	53	477	27	504	43848
M131	54	486	50	536	46632
M174	12	108	3	111	9657
M420	1	9	0	9	783
M421	0	0	1	1	87
M456	296	2664	1350	4014	349218
M474	1	9	2	11	957
M475	3	27	2	29	2523
M476	1	9	2	11	957
M477	1	9	2	11	957
M478	1	9	2	11	957
M479	1	9	2	11	957
M480	1	9	2	11	957
M481	1	9	2	11	957
M482	1	9	2	11	957
M483	1	9	2	11	957
M484	1	9	1	10	870
M487	1	9	1	10	870
M591	5	45	3	48	4176
M670	505	4545	662	5207	453009
M757	1	9	2	11	957
M980	3	27	114	141	12267
M981	12	108	267	375	32625
M982	1	9	395	405	35235
M986	1	9	3	12	1044
ML03	3	27	7	34	2958
ML04	3	27	2	29	2523
ML05	3	27	2	29	2523
MM30	0	0	14	14	1218
MM41	1	9	2	11	957
MM42	1	9	2	11	957
MM43	1	9	2	11	957
MM44	1	9	27	36	3132
MM45	1	9	26	35	3045
MM46	1	9	20	29	2523

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MM47	1	9	32	41	3567
MM48	1	9	8	17	1479
MN08	65	585	59	644	56028
MN52	0	0	29	29	2523
MN88	11	99	0	99	8613
MN90	18	162	0	162	14094
MU40	0	0	18	18	1566
MU42	0	0	18	18	1566