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EXPLOSIVE ORDNANCE DISPOSAL



CAREER FIELD EDUCATION AND TRAINING PLAN

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**CAREER FIELD EDUCATION AND TRAINING PLAN
EXPLOSIVE ORDNANCE DISPOSAL (EOD) SPECIALTY
AFSC 3E8X1**

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PREFACE

This Career Field Education and Training Plan (CFETP) is a comprehensive education and training document that identifies life-cycle education/training requirements and training support resources for the Explosive Ordnance Disposal (EOD) specialty. The CFETP will provide our Airmen with a clear career path to success and instill consistency in all aspects of our career field training.

The CFETP consists of two parts used by the supervisor to plan, manage, and control training within the career field.

Part I provides information necessary for overall management of the specialty.

- Section A provides general information about how the CFETP will be used.
- Section B identifies career field progression information, duties and responsibilities, training strategies, and the career field path.
- Section C associates each skill-level with specialty qualifications (knowledge, education, and training).
- Section D indicates resource constraints.
- Section E identifies transition training guide requirements for SSgt through MSgt.

Part II includes the following:

- Section A identifies the Specialty Training Standard (STS) to include duties, tasks, and technical references to support Air Education and Training Command (AETC) conducted training, wartime course, and correspondence course requirements.
- Section B contains the course objective list and training standards supervisors will use to determine if an Airman has satisfied training requirements.
- Section C identifies available support materials.
- Section D identifies a training course index supervisors can use to determine resources available to support training. Included here are both mandatory and optional courses, and exportable courseware.
- Section E identifies MAJCOM-unique training requirements supervisors can use to determine additional training required for the associated qualification needs.
- Section F identifies home station training references and courses material required for this specialty in support of contingency/wartime training.
- Section G identifies the EOD Standard Training Package which prescribes the minimum monthly/semi-annual/annual training/exercise requirements for all active duty EOD personnel assigned below wing level.
- Section H advertises Advanced EOD Training Course Training Standards.

Note: At unit level, supervisors and trainers must use Part II to identify, plan, and conduct training commensurate with the overall goals of this guide.

Using guidance provided in the CFETP will ensure individuals in this specialty receive effective and efficient training at the appropriate point in their careers. This plan will enable supervisors and flight leaders to train today's work force for tomorrow's requirements.

ABBREVIATIONS/TERMS EXPLAINED

Advanced Distributive Learning (ADL). Anytime, anyplace learning within DoD consisting of instructional modules comprised of sharable content objectives in an Internet/Intranet environment.

Advanced Training (AT). A formal course training toward a technical or supervisor level Air Force Specialty (AFS). Training is for selected career Airmen in the advanced technology level of the AFS. Graduates are not awarded a new AFSC.

Air Force Career Field Manager (AFCFM). An individual on the Air Staff charged with the responsibility for overseeing all training and career field management aspects of an Air Force specialty or group of specialties.

Air Force Enlisted Classification Directory (AFECD) – The Official directory for all military enlisted classification descriptions, codes, and identifiers. The specialty descriptions and codes will be used to identify each Air Force job (valid requirements) and describes the minimum mandatory qualifications of personnel to fill these jobs. The updated AFECD is available at AF Personnel Center's web site located at <http://ask.afpc.randolph.af.mil/> under the military classification menu.

Air Force Civil Engineer Center (AFCEC). Formerly, Air Force Civil Engineer Support Agency (AFCESA), the focal point for all Civil Engineer training development. All individual AFSC Force Development Managers (FDM) are located at AFCEC.

Air Force Credentialing Opportunities On-Line (AF COOL) Program. AF COOL replaced the CCAF Credentialing and Education Research Tool (CERT). The AF COOL Program can be accessed through the AF Virtual Education Center (AFVEC). The site provides a research tool designed to increase an Airman's awareness of national professional credentialing and CCAF education opportunities available for all Air Force occupational specialties.

Air Force Institute of Technology (AFIT). Provides vital, relevant, and connected education that enables Airmen to be ready engineers and great leaders who know how to build sustainable installations to last while leading the change for the Civil Engineer career field. Course list can be accessed at <http://www.afit.edu/CE/>.

Air Force Training Record (AFTR). Electronic training data base to document training and access is located at the [Civil Engineer Virtual Learning Center \(CE-VLC\)](#).

Air Force Job Qualification Standard/Command Job Qualification Standard (AFJQS/CJQS). A comprehensive task list that describes a particular job type or duty position. Used by supervisors to document task qualifications. The tasks on the AFJQS/CJQS are common to all persons serving in the described duty position.

Air Force Qualification Training Package (AFQTP). A required instructional package designed for use at the unit to qualify, or aid qualification, in a duty position or program, or on a

piece of equipment. AFQTPs identify the Air Force's standardized method for performing the task. The AFQTP may be printed (paper-based), computer-based, in other audiovisual media formats, or all three.

Career Field Education and Training Plan (CFETP). A comprehensive, multipurpose document encapsulating the entire spectrum of education and training for a career field. It outlines a logical growth plan that includes training resources and is designed to make career field training identifiable, to eliminate duplication, and to ensure this training is budget defensible.

Chief, Civil Engineer Force Development (CCEFD). Located at AFCEC, this individual is responsible for all force development education and training associated within the 3E0 to 3E6 AFSCs.

Civil Engineer Virtual Learning Center (CE-VLC). Anytime, anyplace learning within the Civil Engineer Community consisting of instructional modules and skill-level awarding course material specific to the AFSC.

Commercial Off The Shelf (COTS). Commercially-procured training products.

Computer-Based Training (CBT). A self-paced stand-alone computer product used to deliver interactive subject and task knowledge.

Core Tasks (*). Mandatory tasks which the AFCFM has identified as a minimum qualification requirement within an Air Force specialty or duty position. These tasks exemplify the essence of the career field.

Critical Tasks. Tasks that have been identified by the work center supervisor as having a detrimental effect on mission accomplishment if not performed correctly. Critical tasks may or may not be the same as core tasks but are mandatory if identified as 'critical' to the individual's position by the supervisor or work center.

Diamond Tasks (♦). Diamond tasks are extremely important to the career field. Diamond tasks are the same as core tasks with one exception--equipment shortfalls at most locations have created problems with the actual **hands-on** training/certification of these tasks. In instances where required equipment is not available for instruction, completion of the task's technical references is required for upgrade training. Hands-on certification will be accomplished at the first opportunity when equipment is available.

Distance Learning (DL). Includes Video Tele-seminar (VTS), Video Tele-training (VTT), and CBT. Formal courses that a training wing or a contractor develops for export to a field location (in place of resident training) for trainees to complete without the on-site support of the formal school instructor. For instance, courses are offered by Air Force Institute of Technology, Air University, and Training Detachment.

Duty Position Tasks. The tasks assigned to an individual for the position currently held. These include as a minimum all core tasks, diamond tasks, critical tasks and any other tasks assigned by the supervisor.

Enlisted Professional Military Education (EPME). Enlisted Professional Military Education (EPME) introduces Airmen to appropriate institutional competencies at specific milestones throughout their career. Resident EPME requirements include Airman Leadership School (ALS), NCOA, SNCOA and the Chief Leadership Course (CLC).

Expeditionary Combat Support-Training Certification Center (ECS-TCC). Total Force training center managed by the Air Force Reserve Command.

Force Development Manager (FDM). An individual assigned to the Air Force Civil Engineer Center (AFCEC) charged with the responsibility for overseeing all training and career field management aspects of a specific Air Force Civil Engineer specialty.

Initial Skills Training. AFS-specific training an individual receives upon entry into the Air Force or upon retraining into this specialty for award of the 3-skill level. Normally, this training is conducted by AETC at one of the technical training wings.

Just-in-Time (JIT) Training – Training required just prior to a selected deployment or tasking that delivers training necessary for mission accomplishment. It is typically predicated on hard-to-obtain contingency skills.

MAJCOM Functional Managers (MFMs). Senior leaders, designated by the appropriate functional authority (FA) who provide day-to-day management and responsibility over specific functional communities at the MAJCOM, FOA, DRU, or ARC level. While they should maintain an institutional focus in regards to resource deployment and distribution, FMs are responsible for ensuring their specialties are equipped, developed, and sustained to meet future needs of the total Air Force mission.

Occupational Analysis Report (OAR). A detailed report showing the results of an occupational survey of tasks performed within a particular AFS. The information collected from this survey is used to make changes to upgrade training and Weighted Airman Promotion Exams.

On-the-Job Training (OJT). Hands-on, over-the-shoulder training conducted to certify personnel in both upgrade (skill-level award) and job qualification (duty position certification) training.

Proficiency Training. Additional training, either in-residence, advanced/supplemental training courses, or on-the-job training provided to personnel to increase their skills and knowledge beyond the minimum required for upgrade.

Qualification Training (QT). Actual hands-on task performance training designed to qualify an individual in a specific duty position. This portion of the dual channel on-the-job training program

occurs both during and after the upgrade training process. It is designed to provide the performance skills required to do the job.

Regional Training Site (RTS). Total Force training centers managed by the Air National Guard.

Resource Constraints. Resource deficiencies, such as money, facilities, time, manpower, or equipment that precludes desired training from being delivered.

Specialty Training. A mix of formal training (technical school) and informal training (on-the-job) to qualify and upgrade airmen in the award of a skill level.

Specialty Training Standard (STS). Describes skills and knowledge that airmen in a particular AFS need on the job. It further serves as a contract between the Air Education and Training Command (AETC) and the user to show the overall training requirements for an AFS taught in the resident and nonresident courses.

Specialty Training Requirements Team (STRT) – Subject Matter Experts from each MAJCOM conduct research prior to Utilization and Training Workshop (U&TW), develops training, recommends delivery methods and determines if a full fledged U&TW is required. The team finalizes the CFETP, specialty description and develops a standard for all courses.

Subject Matter Expert (SME) – An individual with expertise in a particular subject matter, tasked to represent the subject matter to an individual or group for technical accuracy.

Supplemental Training. A formal course which provides individuals who are qualified in one or more positions of their Air Force Specialty (AFS) with additional skills/knowledge to enhance their expertise in the career field. Training is for selected career airmen at the advanced level of the AFS.

Total Force. All collective Air Force components (Active Duty, Reserve, Guard, and Civilian elements) of the United States Air Force.

Upgrade Training (UGT). Identifies the mandatory courses, task qualification requirements, and correspondence course completion requirements for award of the 5-, 7-, and 9-skill levels.

Utilization and Training Workshop (U&TW). An executive decision meeting to vote on funding for instructor authorizations, equipment and facilities needed to support any new or revised training coming from the STRT. They will also determine which organizations will furnish resources and establish commitment and delivery dates in writing, document equipment availability dates and any problems and establish training delivery dates.

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SECTION A - GENERAL INFORMATION

A1. Purpose: This CFETP provides information necessary for Air Force Career Field Managers (AFCFMs), MAJCOM functional managers (MFMs), commanders, education and training managers, supervisors/trainers, and certifiers to plan, develop, manage, and conduct an effective career field training program. This plan outlines the training personnel in an AFS require to develop and progress throughout their careers. It identifies initial skills, upgrade, qualification, advanced, and proficiency training.

A1.1. Initial Skills Training. AFS-specific training an individual receives upon entry into the Air Force or upon retraining into this specialty for award of the 3-skill level. For our career field, this training is provided in a joint environment with Navy being the lead service. The training is conducted at Naval School EOD located at Eglin AFB, FL.

A1.2. Upgrade Training. Identifies the mandatory courses, task qualification requirements, and correspondence course completion requirements for award of the 5-, 7-, and 9-skill levels.

A1.3. Qualification Training. Actual hands-on task performance training designed to qualify an airman in a specific duty position. This training program occurs both during and after the upgrade training process. It is designed to provide the performance skills and knowledge required to do the job.

A1.4. Advanced Training. A formal course for training personnel towards a technical or supervisory level in an AFS. Training is for selected career Airmen in the advanced technology of the AFSs. Graduates are not awarded a new AFSC.

A1.5. Proficiency Training. Additional training either in-residence, exportable advanced training courses, or on-the-job training, provided to people to increase their skills and knowledge beyond the minimum required for upgrade.

A1.6. The CFETP has several purposes to include:

A1.6.1. Serves as a management tool to plan, manage, conduct, and evaluate a career field training program. It is used to help supervisors identify training at the appropriate point in an individual's career.

A1.6.2. Identifies task and knowledge training requirements for each skill level in this specialty and recommends education/training throughout each phase of an individual's career.

A1.6.3. Lists training courses available in this specialty and identifies sources of training and the delivery methods.

A1.6.4. Identifies major resource constraints that impact full implementation of the desired career field training process.

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A2. Uses. MFMs and supervisors will use the plan at all levels to ensure comprehensive and cohesive training programs are available for each individual in the specialty.

A2.1. AETC training personnel will develop/revise formal resident, non-resident, field, and exportable training based on requirements established by the users and documented in Part II of the CFETP. They will also work with the EOD AFCFM and Air Force Civil Engineer Center EOD Division (HQ AFCEC/CXD) to develop acquisition strategies for obtaining resources needed to provide the identified training.

A2.2. MFMs will ensure their training programs complement the CFETP mandatory initial, upgrade, qualification, and proficiency training requirements and identify requirements that can be satisfied by OJT, resident training, contract training, or exportable courses. MAJCOM-developed training to support this AFS must be identified for inclusion into the plan.

A2.3. Unit Education and Training managers and supervisors must ensure each individual completes the mandatory training requirements (including MAJCOM supplemental requirements) for the upgrade training specified in this plan.

A2.4. Each individual will complete mandatory training requirements specified in this plan. The list of courses in Part II of this CFETP will be used as a reference to support training.

A3. Coordination and Approval. The EOD AFCFM is the approval authority for the 3E8X1 EOD CFETP. MAJCOM representatives and AETC personnel will identify and coordinate on the career field training requirements. The AETC training manager for this specialty will initiate an annual review of this document by AETC and EOD AFCFM to ensure currency and accuracy. Using the list of courses in Part II, they will eliminate duplicate training.

PART I**SECTION B - CAREER FIELD PROGRESSION AND INFORMATION**

B1. Specialty Descriptions. This information supplements what is presented in the *Air Force Enlisted Classification Directory*.

CEM Code 3E800, Civil Engineer EOD Manager	AFSC 3E851, Journeyman
AFSC 3E891, Superintendent	AFSC 3E831, Apprentice
AFSC 3E871, Craftsman	AFSC 3E811, Helper

B1.1. Specialty Summary. Performs EOD operations to protect personnel, resources, and the environment from the effects of hazardous explosive ordnance (EO), improvised explosive devices (IED) and weapons of mass destruction (WMD) which may include; incendiary, chemical, biological, radiological, and nuclear (CBRN) hazards. Employs specialized tools, techniques and personal protective equipment to detect/identify EOD objectives and to accomplish diagnostics, monitoring, evaluation, interrogation, mitigation, render safe, recovery, and disposal operations on ordnance/devices delivered, placed, or made dangerous by accident/incident or other circumstance. Utilizes and maintains advanced equipment, such as, robotics, x-ray, landmine and CBRN detection equipment. Transports demolition explosives and equipment to authorized disposal areas, fabricates explosive demolition charges, and disposes of hazardous devices, ordnance and explosives. EOD may be employed alone or as part of an Air Force, Joint, Interagency, or Coalition force, to support Combatant Commander and/or Air Force objectives. Provides rapid response capability and operates in five geographic disciplines: mountain, desert, arctic, urban and jungle, day or night, to include austere combat environments independent of an established airbase or its perimeter defenses in mounted, dismounted and limited airborne/aerial insertion operations. EOD at the 5-, 7-, and 9-level plan, organize, and direct EOD operations.

B1.2. Duties and Responsibilities.

B1.2.1. Plans, organizes, and directs EOD operations. Develops operational orders/plans, instructions, concepts of operation, and safety plans (ORM Assessments) concerning EOD employment. Translates commander's objectives/mission taskings into effective employment of EOD capability. Uses advanced technological and manual methods to perform long range/close-in reconnaissance, identification, assessment of ordnance/hazardous device conditions and filler materials, then advises commanders on recommended EOD actions and safe withdrawal distances. Prepares personnel and equipment for military operations.

B1.2.2. Supports U.S. and foreign aerospace systems/vehicles and conventional munitions operations; sortie generation and space launch operations by responding to airfield/launch complex explosive related ground/in-flight emergencies or crash situations; and research and development testing of weapons, aircraft, and space systems.

B1.2.3. Executes counter-IED (CIED) operations. Eliminates or mitigates explosive hazards and terrorist/criminal devices, to include missions outside the base boundary or Base Security Zone to enable freedom of maneuver for air or surface operations. Performs IED defeat actions to include (but not limited to) the following: recover/destroy weapon caches; perform immediate actions to defeat emplaced IEDs; conduct post-blast analysis of IED events; provides military authorities

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with technical intelligence, analysis and exploitation; and provide key insights to enable development of CIED tactics, techniques and procedures (TTPs) to mitigate IED effectiveness.

B1.2.4. Executes counter-WMD operations. Peacetime EOD force WMD response efforts are limited in scope to provide initial threat confirmation, risk mitigation, situational awareness and site stabilization; however EOD forces may also provide additional technical support as required. During contingencies, EOD forces provide full-spectrum response capability to incidents involving CBRN, incendiary and explosive devices.

B1.2.5. Conducts nuclear weapon response. Provides immediate initial support to nuclear weapon accidents or incidents in order to evaluate nuclear weapon/delivery status, mitigate risk, provide site stabilization and situational awareness. Custodial units certified on specific weapon systems and aerospace platforms form the core of weapons recovery teams and must respond in conjunction with the Tactical Response Force to explosively overcome obstacles, conduct passive diagnostics and provide technical assessments through secure communications with National Render Safe assets while supporting the National Military Command Center and Response Task Force (RTF) incident/accident or recapture/recovery efforts.

B1.2.6. Performs unexploded explosive ordnance (UXO) recovery operations. Provides emergency response (on or off installation) to neutralize hazards posed by EO related incidents presenting a threat to operations, installations, personnel or materiel, including but not limited to, excavation and renders safe, evaluation of individual ordnance items, exploitation for technical intelligence value, support of developmental and operational ordnance/weapons system testing, and large-scale recovery of airbases, forward operating locations, landing zones, and drop zones denied by ordnance operations. Maintains capability to identify, stabilize and contain chemical/biological ordnance and provide disposition support to follow-on organizations. Transports demolition explosives and equipment to authorized disposal areas, fabricates explosive demolition charges, and disposes of hazardous devices, ordnance and explosives.

B1.2.7. Engaged in explosive range activities and operational range clearances. Establishes, operates, and maintains EOD explosive proficiency, training and disposal ranges. Evaluates extent of explosive contamination on Air Force property, and on bombing and gunnery, research and development, and munitions test ranges. Prepares clearance/logistical plans and cost estimates for operational range clearance operations. Performs surface-removal, or disposal, of unexploded ordnance, classified ordnance, inert ordnance debris, training projectile debris, and any other range material fired on, or upon a military range from the targets and surrounding areas.

B1.2.8. Combat enabler for irregular warfare (IW). Provide EOD support for General Purpose and Special Operations Forces in the execution of various IW missions to include security force assistance, counterinsurgency (COIN), stability operations, and building partnership capacity. Supports specialized Joint Service task force operations.

B1.2.9. Understands war fighter TTPs. Integrates EO, IED and WMD threat information into the decision-making process at all levels to mitigate and exploit the enemy's TTPs to maximize combat power. Performs tactical mission planning and preparation. Participates in Military

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Decision Making Process. Briefs joint force commanders and staff on EO threats affecting operations.

B1.2.10. Supports Defense Support to Civil Authorities activities. Provides emergency or lifesaving EOD operational capability to the Federal, state, and local civil authorities requesting support to mitigate or eliminate hazards associated with explosives (IEDs, military munitions, etc.). Provides hazardous materials (HAZMAT) response capability for incidents involving explosive ordnance.

B1.2.11. Conducts Very Important Person/special protective activities. Supports U.S. Secret Service (USSS), Department of Homeland Security (DHS) and the Department of State (DoS) by providing counter explosive search teams in support of National Security Special Events, White House Complex and the protection of the President, Vice President, and other dignitaries.

B1.2.12. EOD Flight Sustainment Operations. Identifies requirements for and maintains tools, equipment, supplies, and technical data. Orders, inventories, stores, mobilizes, and maintains specialized tools, equipment, supplies, and EOD publications. Uses computers to support flight activities. Develops notional concepts, mission need statements, and operational requirements documents, and estimates for clearance operations.

B1.3. Skill Level Duties and Responsibilities.

B1.3.1. EOD Apprentice and Journeyman

B1.3.1.1. Performs EOD functions.

B1.3.1.2. Conducts area reconnaissance for detecting and identifying unexploded ordnance.

B1.3.1.3. Determines distances to which personnel and material must be evacuated.

B1.3.1.4. Photographs all unknown explosive ordnance for technical intelligence and reporting requirements.

B1.3.1.5. Removes earth and debris surrounding unexploded ordnance, using mechanical tools, hand tools, and appropriate equipment.

B1.3.1.6. Estimates depth of buried explosive ordnance by using probing techniques or detection equipment.

B1.3.1.7. Performs constructing, sinking, and timbering of shafts for access to buried explosive ordnance and to protect personnel during recovery operations.

B1.3.1.8. Performs necessary rendering safe procedures, using special tools and techniques, including remote controlled devices and shaped charges.

B1.3.1.9. Removes neutralized explosive ordnance by using winches, pulleys, cables, or cranes.

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B1.3.1.10. Operates and interprets radiation and other detecting instruments in monitoring areas adjacent to unexploded ordnance suspected of containing toxic or radioactive contamination.

B1.3.1.11. Neutralizes, leak seals, packages, and disposes of chemical and biological munitions.

B1.3.1.12. Disposes of explosive ordnance rendered exceptionally hazardous by damage or deterioration.

B1.3.1.13. Disposes of unserviceable explosives by detonation or other methods.

B1.3.1.14. Notifies authorities when areas are free of danger.

B1.3.1.15. Secures explosive ordnance and equipment to vehicles and plans evacuation routes.

B1.3.1.16. Prepares reports concerning EOD activities.

B1.3.1.17. Fabricates and uses explosive charges.

B1.3.1.18. Neutralizes and disposes of improvised explosive devices.

B1.3.1.19. Performs as a specialized member of the Disaster Response Force.

B1.3.1.19.1. Provides guidance and advice to the Incident Commander in detecting, monitoring, evaluating, and decontaminating radioactive, chemical, or biological hazards.

B1.3.1.19.2. Safes, removes, and disposes of explosives, explosive devices, and explosive ordnance rendered hazardous due to accident or incident to include ejection and catapult devices, squibs, explosive bolts, warheads, bombs, rockets, guided missiles, guns, and gun ammunition.

B1.3.1.19.3. Conducts explosive ordnance ancillary training for base populace and other agencies.

B1.3.1.20. Performs related munitions and weapons functions.

B1.3.1.20.1. Performs functions relating to EOD munitions, weapons, or nuclear weapons activities as directed.

B1.3.1.20.2. Maintains explosive ordnance publications and administrative publication libraries pertaining to explosive ordnance functions.

B1.3.1.20.3. Inventories, stores, and maintains supplies, tools, and equipment relative to EOD.

B1.3.1.20.4. Complies with environmental and safety regulations while conducting EOD operations.

B1.3.2. EOD Craftsman (In addition to Apprentice/Journeyman Responsibilities).

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B1.3.2.1. Advises on EOD related problems.

B1.3.2.1.1. Resolves EOD problems and provides other activities with advice and guidance on EOD matters.

B1.3.2.1.2. Organizes and conducts EOD operations.

B1.3.2.1.3. Determines procedures to be used in detecting, identifying, rendering safe, recovering, or destroying explosive, incendiary, and nuclear ordnance.

B1.3.2.2. Performs EOD Functions.

B1.3.2.2.1. Determines area from which personnel and materials must be evacuated, and ensures it is cleared before proceeding with disposal.

B1.3.2.2.2. Plans and conducts neutralizing and disposing of improvised explosive devices

B1.3.2.2.3. Plans and directs removing neutralized explosive ordnance, and ensures areas adjacent to unexploded ordnance suspected of containing toxic or radioactive contamination are properly monitored.

B1.3.2.2.4. Coordinates EOD activities and movements with other interested military and civilian agencies.

B1.3.2.3. Performs as a specialized member of the Disaster Response Force.

B1.3.2.3.1. Plans, organizes, directs, and assists in render-safe, removal, and disposal of explosives, explosive devices, and explosive ordnance rendered hazardous due to accident or incident to include ejection and catapult devices, squibs, explosive bolts, warheads, bombs, rockets, guided missiles, guns, and gun ammunition.

B1.3.2.3.2. Plans, establishes, and conducts explosive ordnance ancillary training programs for base populace and other agencies.

B1.3.2.4. Supervises related munitions and weapons functions.

B1.3.2.4.1. Ensures functions relating to EOD, weapons, and nuclear weapons activities are coordinated and performed as directed.

B1.3.2.4.2. Monitors and determines the proper procedures for turn-in or disposal of unserviceable supplies, tools, and equipment.

B1.3.2.4.3. Complies with environmental and safety regulations in performing EOD operations.

B1.3.3. EOD Superintendent/Civil Engineer EOD Manager.

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B1.3.3.1. Plans and organizes EOD activities.

B1.3.3.1.1. Obtains and controls the resources necessary to conduct EOD operations.

B1.3.3.1.2. Coordinates with base, local, and federal agencies in matters concerning EOD operations.

B1.3.3.1.3. Coordinates deployment taskings through MAJCOM and unit deployment manager.

B1.3.3.2. Directs EOD activities.

B1.3.3.2.1. Checks methods and techniques employed in detecting, identifying, rendering safe, recovering, and destroying explosive ordnance.

B1.3.3.2.2. Supervises preparing, maintaining, and disposing of records concerning EOD activities.

B1.3.3.3. Inspects and evaluates EOD activities.

B1.3.3.3.1. Inspects EOD activities to ensure compliance with policies, regulations, and technical publications.

B1.3.3.3.2. Interprets inspection findings, implements corrective actions, and conducts follow-up inspections.

B1.3.3.4. Performs EOD functions.

B1.3.3.4.1. Interprets publications and resolves problems encountered, pertaining to detecting, identifying, rendering safe, recovering, transporting, and disposing of explosive, incendiary, chemical, biological, and nuclear ordnance.

B2. Skill and Career Progression. Adequate training and timely progression from the apprentice to the superintendent level play an important role in the Air Force's ability to accomplish its mission. It is essential that everyone involved in training must do their part to plan, manage, and conduct an effective training program. The guidance provided in this part of the CFETP will ensure each individual receives viable training at appropriate points in their career.

B2.1. Apprentice (AFSC 3E831 / 3-Level).

B2.1.1. On completion of initial skills training at the Naval School EOD, the EOD trainee will work with a trainer to enhance their knowledge and skills to progress to the 5-level.

B2.1.2. Utilize the Career Development Course (CDC), Air Force Qualification Training Packages (AFQTP), web-based courses, and other exportable courses for subject and task fundamentals in the career field.

B2.1.3. Once trained and task certified, a trainee may perform the task unsupervised.

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B2.1.4. After all upgrade training requirements are completed, supervisors and Unit Training Managers (UTMs) coordinate upgrade procedures.

B2.1.5. Trainees awarded the primary AFSC receive automatic enrollment in the Community College of the Air Force (CCAF).

B2.2. Journeyman (AFSC 3E851 / 5-Level).

B2.2.1. A journeyman may be assigned job positions such as team member, team leader by exception, shift supervisor, and task trainer.

B2.2.2. Complete Civil Engineer (CE) 5-Level Common Core Concepts Course located on the [CE-VLC](#) prior to ordering CDCs.

B2.2.3. Completion of 5-level CDCs, 100% 5-level core and diamond tasks are basic prerequisites for five skill level award.

B2.2.4. Must complete, as a **minimum**, 12-months OJT before award of the 5-level (9-months for re-trainees that were awarded a five level in a previous AFSC).

B2.2.5. Active duty Air Force personnel must attend the Resident Airman Leadership School (ALS). Air Reserve Component (ARC) personnel may accomplish ALS by using distance learning (DL) and/or the resident or satellite program.

B2.2.6. Enter into continuation training to broaden technical experience base.

B2.2.7. Use CDCs and other reference material identified by the AFCFM to prepare for Weighted Airman Performance System (WAPS) testing.

B2.2.8. Continue pursuing a CCAF degree.

B2.2.9. After all upgrade training requirements are completed, supervisors and UTMs coordinate upgrade procedures.

B2.3. Craftsman (AFSC 3E871 – 7-Level).

B2.3.1. A craftsman can expect to fill various supervisory and management positions such as shift leader, team leader, supervisor, or task certifier.

B2.3.2. Completion of CE 7-Level Common Core Concepts Course located on the [CE-VLC](#) and 100% core/diamond tasks are basic prerequisites for 7-skill level award.

B2.3.3. Graduation from the 7-level in-resident EOD Team Leader Course is required.

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B2.3.4. Must complete, as a **minimum**, 12-months OJT before award of the 7-level (6-months for re-trainees that were awarded a 7-level in a previous AFSC).

B2.3.5. Must complete NCO Academy.

B2.3.6. Should take continuation training courses to broaden technical knowledge or management of resources and personnel.

B2.3.7. Use CDCs and other reference material to prepare for WAPS testing.

B2.3.8. Continue academic education through CCAF and higher degree programs is encouraged.

B2.3.9. After all upgrade training requirements are completed, supervisors and UTM's coordinate upgrade procedures.

B2.3.10. Pursue career broadening opportunities that include, but are not limited to, special duty assignments such as an EOD Technical Training Instructor at Naval School EOD/EOD Preliminary Course or a Silver Flag Exercise Site EOD Instructor.

B2.4. Superintendent. (AFSC 3E891 / 9-Level)

B2.4.1. A superintendent can be expected to fill positions such as Flight Chief, Superintendent, and various staff positions.

B2.4.2. Completion of Civil Engineer Superintendent Course (AFIT WMGT 570) is mandatory for Active Duty Guard and Reserve SMSgt's. This course is highly encouraged for Air National Guard SMSgt's and mandatory to be promoted to CMSgt.

Note: This is not a skill level awarding course.

B2.4.3. Must complete Senior NCO Academy or sister-service equivalent.

B2.4.4. Should take continuation training course to increase knowledge of budget, manpower, resources, and personnel management.

B2.4.5. Continue academic development through higher education is recommended.

B2.4.6. Must be a SMSgt for award of the 9-skill level.

B2.5. Civil Engineer EOD Manager (Chief Enlisted Manager (CEM) Code 3E800).

B2.5.1. CEMs work in a variety of similar jobs and functional areas where general managerial and supervisory abilities can be most effectively used and challenged.

B2.5.2. Must be selected for CMSgt and possess qualifications as a 3E891.

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B3. Training Decisions. The CFETP uses a building block approach (simple to complex) to encompass the entire spectrum of training requirements for the EOD career field. The spectrum includes a strategy for when, where, and how to meet the training requirements. The strategy must be apparent and affordable to reduce duplication of training and eliminate a disjointed approach to training. The training RECOMMENDATIONS were made by members of the 4-8 March 2019 Specialty Training Requirements Team (STRT) conducted at Sheppard AFB, training DECISIONS were accomplished by the 25 September 2019 Utilization and Training Workshop (U&TW) conducted via telecom.

B3.1. Initials Skills Training. The initial skill course was reviewed for content. No changes were recommended. Wartime training tasks were identified and validated.

B3.1.1. EOD Preliminary Course: Preliminary Course training requirements were reviewed with no recommended changes.

B3.1.2. Naval School EOD Course: The Specialty Training Standard (STS) was adjusted to represent current curriculum. Due to this being an Inter-Service school with the Navy being the executive manager, training decisions are made by the Technical Training Acceptance Board and the School's Commanding Officer. Recommendations can be made by the U&TW, however, it requires Joint EOD Program acceptance.

B3.2. 5-Level Upgrade Training Requirements. Full training requirements review was conducted and change needs were identified for 5-Level upgrade requirements. The primary objectives of the STRT was to eliminate duties tracked elsewhere or not EOD-specific. This resulted in a net reduction of 399 line items from the STS. Many sections were deleted completely or merged into other sections.

B3.2.1. The STRT recommended additional 5-Level Core Tasks and the U&TW confirmed the addition. The additional 5-Level Core Tasks included the addition on HazMat Awareness and HazMat Operations. The sections on Nuclear Weapon Operations, Chemical/Biological Operations, and Airbase Recovery were all comprehensively rewritten, to include several core tasks.

B3.2.2. 3E8X1 EOD Journeyman CDC Program.

B3.2.2.1. The 3E8X1 EOD Journeyman CDC program is being evaluated for a shift to a more rapid publishing platform. Several options include a Blackboard-style delivery system or publishing the existing course to the CE-VLC.

B3.2.2.2. The 3E8X1 CDC writer is tasked to develop a delivery method that will allow for the Self-Test Questions, Unit Review Exercises and End of Course Test Questions to be changed with the same speed as source material updates.

B3.3. 7-Level Upgrade Training Requirements. Full training requirements review was conducted and change needs were identified for 7-Level upgrade requirements.

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B3.3.1. The STRT recommended additional 7-Level Core Tasks and the U&TW confirmed the addition. The additional 7-Level Core Tasks were the result of the comprehensive rewrite of the sections covering Nuclear Weapon Operations, Chemical/Biological Operations, and Airbase Recovery.

B3.3.2. 7-Level EOD Team Leader Course. No changes were recommended at this time. The curriculum was less than a year old at the time of the STRT. The curriculum will be reviewed on a regular basis to ensure currency.

B3.4. **Proficiency Training.** Any additional knowledge and skill requirements that were not taught through initial skills or upgrade training are assigned as continuation training. Purpose of continuation training is to provide training exceeding minimum upgrade training requirements with emphasis on present and future duty positions. MAJCOMs must develop a continuation-training program that ensures personnel in the EOD career field receive the necessary training at the appropriate point in their careers. The training program will identify both mandatory and optional training requirements.

B3.5. **Supplemental Training.** Subject Matter Experts (SMEs) and the Training Committee reviewed supplemental training courses for technical accuracy and validated the courses were deemed necessary to fully support AFSC career progression/operational capability.

B4. Community College of the Air Force (CCAF) Academic Programs. Airmen are automatically enrolled in CCAF upon completion of basic military training. CCAF is one of several federally chartered degree-granting institutions; however, it's the only 2-year institution exclusively serving military enlisted personnel. The college is regionally accredited through Air University by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) to award Associate of Applied Science (AAS) degrees designed for specific Air Force occupational specialties and is the largest multi-campus community college in the world. Upon completion of basic military training and assignment to an Air Force career field, all enlisted personnel are registered in a CCAF degree program and are afforded the opportunity to obtain an AAS degree. In order to be awarded, degree requirements must be successfully completed before the Airman separates/retires from the Air Force or is commissioned as an officer. See the CCAF website: <http://www.airuniversity.af.edu/Barnes/CCAF/> for details regarding the AAS degree programs. In addition to its degree program, CCAF offers the following professional certifications:

B4.1. **CCAF Instructor Certification (CIC) Program.** The CIC is a professional credential that recognizes the instructor's extensive faculty development training, education and qualification required to teach a CCAF course, and formally acknowledges the instructor's practical teaching experience. Qualified officer, enlisted, civilian and other service instructors are eligible for this certification. Complete details for the instructor certification program can be found at the CCAF website.

B4.2. **CCAF offers the Instructional Systems Development (ISD) Certification.** The ISD Certification is a professional credential that recognizes the writer's or manager's extensive training, education, qualifications and experience required to develop and manage CCAF courses. The certification also recognizes the individual's ISD qualifications and experience in

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planning, developing, implementing and managing instructional systems. The program is designed to broaden faculty and professional development. Complete details can be found at the CCAF website.

B4.3. Air Force Credentialing Opportunities On-Line (AF COOL) Program. AF COOL replaced the CCAF Credentialing and Education Research Tool (CERT). The AF COOL Program can be accessed at <https://afvec.langley.af.mil/afvec/Public/COOL/Default.aspx>. The site provides a research tool designed to increase an Airman's awareness of national professional credentialing and CCAF education opportunities available for all Air Force occupational specialties. The AF COOL Program also provides information on specific occupational specialties, civilian occupational equivalencies, CCAF degree programs, and AFSC-related national professional credentials available to enlisted members through credentialing agencies and professional organizations. The AF COOL Program contains a variety of information about credentialing and licensing and can be used to:

B4.3.1. Get background information about civilian licensure and certification in general and specific information on individual credentials including eligibility requirements and resources to prepare for an examination.

B4.3.2. Identify licenses and certifications relevant to an AFSC.

B4.3.3. Learn how to fill gaps between Air Force training and experience and civilian credentialing requirements.

B4.3.4. Get information on Tuition Assistance and GI Bill eligible funding opportunities to pay for credentialing examinations and associated fees.

B4.3.5. Learn about resources available to you that can help gain civilian job credentials.

B4.4. Trade Skill Certification. When a CCAF student separates or retires, a trade skill certification is awarded for the primary occupational specialty. The College uses a competency-based assessment process for trade skill certification at one of three proficiency levels: Apprentice, Journeyman, and Craftsman/Supervisor. All are transcribed on the CCAF transcript.

B4.5. Air University Associate to Baccalaureate Cooperative (AU-ABC). AU-ABC directs Airmen with associate in applied science degrees from the CCAF to a collection of accredited “military friendly” colleges and universities to consider when completing a four-year degree. The program maximizes the application of military career education and training, and provides a multitude of online academic and support services for the enlisted member.

B5. CCAF Degree Completion Requirements (64 Semester Hours). The EOD Associates Degree (4VRC) applies to the 3E8X1 AFSC. Prior to completing a CCAF degree, the individual must be awarded a 5-level and the following requirements must be met:

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<u>Course</u>	<u>Semester Hours</u>
Technical Education	24
Leadership, Management, and Military Studies	6
Physical Education	4
General Education	15
Program Elective	15
Technical Education; Leadership, Management, and Military Studies or General Education	
Total	64

B5.1. Technical Education. (24 semester hours) A minimum of 12 semester hours of technical core subjects or courses must be applied and the remaining semester hours applied from technical core or technical elective subjects or courses. Requests to substitute comparable courses or to exceed specified semester hour values in any subject or course must be approved in advance.

<u>Technical Core Requirements</u>	<u>Semester Hours</u>
Algebra-Based Physics	8
CCAF Specialty Internship	18
Electricity/Electronics	9
Explosive Ordnance Disposal	24
General Chemistry	8
Hazardous Materials	6

B5.2. Technical Electives.

<u>Technical Electives</u>	<u>Semester Hours</u>
Accident Prevention	3
Basic Photography (Camera/Video Operations)	3
Blueprint Reading/Schematic Diagrams	3
Computer Science	6
Emergency Medicine	3
Heavy Equipment Operation	3
Industrial Safety	3
Industrial X-Ray/Nondestructive Inspection	3
Inventory Management	3
Investigative Techniques	3
Map and Compass Reading	3
Nuclear Science	4
Principles of Marksmanship	3
Statistics	3
Technical Mathematics (College Algebra or Higher)	3
Technical Writing	3

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B5.3. Leadership, Management, and Military Studies (LMMS) (6 Semester Hours): Professional military education, civilian management courses accepted in transfer and/or by testing credit.

B5.4. Physical Education (4 Semester Hours): This requirement is satisfied by completion of Basic Military Training.

B5.5. General Education (15 Semester Hours): Applicable courses must meet the criteria for application of courses to the general education requirements and be in agreement with the definitions of applicable general education subjects/courses as provided in the *CCAF General Catalog*.

<u>General Education Subjects/Courses</u>	<u>Semester Hours</u>
Communications	6
Written Communication	6
English Composition (not duplicative)	
OR	
Oral Communication	3
Speech	
Written Communication	3
English Composition	
Mathematics	3
Intermediate algebra or a college-level mathematics course satisfying delivering institution's mathematics graduation requirement-if an acceptable mathematics course applies as technical or program elective, you may substitute a natural science course for mathematics.	
Social Science	3
Anthropology, archaeology, economics, geography, government, history, political science, psychology, and sociology.	
Humanities	3
Fine arts (criticism, appreciation, historical significance), foreign language, literature, philosophy, and religion.	

B5.6. Program Elective. (15 semester hours) Courses applying to technical education, LMMS or general education requirements; natural science courses meeting general education requirement application criteria; foreign language credit earned at Defense Language Institute or through Defense Language Proficiency Test; maximum 9 semester hours of CCAF degree-applicable technical course credit otherwise not applicable to program of enrollment.

B5.7. Additional off-duty education is a personal choice that is encouraged for all. Individuals desiring to become an AETC Instructor should be actively pursuing an associate degree. A degreed faculty is necessary to maintain accreditation through the Southern Association of Colleges and Schools (SACS).

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B6. Enlisted Career Field Pyramid. The EOD Pyramid illustrates the AFS 3E8X1 career field path.



PART I**B7. Enlisted Training Path.**

ENLISTED CAREER PATH				
		GRADE REQUIREMENTS		
Education and Training Requirements	Rank	Average Sew-On	Earliest Sew-On	High Year Of Tenure (HYT) (Active Duty Only)
Basic Military Training School				
<u>Upgrade To Apprentice</u> (3-Skill Level) – Complete Technical School	Amn A1C	6 months 16 months		
<u>Upgrade To Journeyman</u> (5-Skill Level) – Complete all 5-level core/duty related tasks – Complete CE 5-Level Common Core Concept web-based course – Complete 5-level CDC – Specific AFQTPs for duties at assigned location – Supplemental Courses (MAJCOM Determined) – Minimum 12 months OJT (9 months OJT for retrainees)	SrA	3 years	28 months BTZ (22 Months)	10 years
<u>Trainer</u> – Must be qualified and certified to the perform tasks to be trained. – Attend AF Training Course – Recommended by the supervisor				
<u>Upgrade To Craftsman</u> (7-Skill Level) – Minimum rank of SSgt – Complete all core/duty related tasks – Complete CE 7-Level Common Core Concept web-based course – Complete EOD Craftsman Course (Team Leader Crs) – Supplemental Courses (MAJCOM Determined) – Minimum 12 months OJT (6 months OJT for retrainees)	SSgt	5 years	3 years	20 years
<u>Certifier</u> – SSgt with 5-skill level or civilian equivalent – Attend AF Training Course – Appointed by commander – Be a person other than the trainer (for core and critical tasks only)				
<u>Upgrade To Superintendent</u> (9-Skill Level) – Minimum rank of SMSgt – CE Superintendents Course (WMGT570) (AD/AFR Only, not skill level awarding)	SMSgt	20 years	11 years	26 years
<u>EOD Manager</u> – Chief Orientation Course (AFR Only) – CE Superintendents Course (WMGT 570) (ANG Only)	CMSgt	22 years	14 years	30 years

PART I**B8. AF EOD Mission Readiness Training.**

B8.1.1 Joint Nuclear EOD Course (JNEODC), J5AZO3E871 00DA. Joint Nuclear Explosive Ordnance Disposal Course (JNEODC) is a 5-day training course that provides detailed sustainment training for EOD officers and enlisted personnel in nuclear EOD operations. The program focuses on nuclear weapons hazards, stockpile safety features and safeguards, weapons development, and response to a nuclear weapon accident/incident as part of the Initial Response Force (IRF) and Response Task Force (RTF). .

B8.1.1.1. Prerequisite: See the Education & Training Announcements (ETCA) website (<https://app10-eis.aetc.af.mil/etca/SitePages/home.aspx#Home>).

B8.1.1.2. This course is a one-time requirement for EOD personnel and attendance is mandatory for all personnel assigned to a custodial unit or an assignment supporting the nuclear enterprise. Seat allocations priority is given to personnel assigned to custodial units and attendance will be triggered once assigned. ARC EOD forces tasked to support nuclear weapons during contingencies will attend training.

B8.1.2. Advanced Improvised Explosive Device Disposal Course (AIEDDC), JBAZN3E871 00NA. This course is designed to provide advanced IED Tactics, Techniques and Procedures to EOD Technicians and personnel of other key Federal Agencies to diagnose, disable, contain and dispose of sophisticated IED's in varied environments; including battlefield operations, peacekeeping operations and homeland defense.

B8.1.2.1. Prerequisite: See the ETCA website (<https://app10-eis.aetc.af.mil/etca/SitePages/home.aspx#Home>). Completion of the EOD Basic Electronics CBT.

B8.1.2.2. This course is a one-time requirement for EOD personnel.

B8.1.3. Advanced Diagnostics Training I (ADT-1), J5AAD3E851 0A1A. This is a five-day unclassified course of instruction that focuses on WMD threat awareness, interagency policy, national response architecture, nuclear science, radiation detector theory, and crisis communications. This course meets interagency training standards for national crisis response. Course consists of lectures, facilitated discussions, individual technical hands-on classes, and group technical hands-on classes.

B8.1.3.1. Prerequisite: See the ETCA website (<https://app10-eis.aetc.af.mil/etca/SitePages/home.aspx#Home>).

B8.1.3.2. This course is a one-time requirement for EOD personnel and attendance is mandatory for all personnel assigned to a custodial unit or an assignment supporting the nuclear enterprise. Seat allocations priority is given to personnel assigned to custodial units and attendance will be triggered once assigned. All technical training graduates currently receive this level of training.

B8.1.4. Advanced Diagnostics Training 2 (ADT-2), J5AAD3E851 0A2A. This is a classified five-day course of instruction which focuses on steady-state operations threat assessment of Nuclear

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Materials of Concern. This course also focuses on interagency policy, threat design concepts, nuclear science, tactics, techniques, procedures, and crisis communications. This course meets interagency training standards for national crisis response. The format of this course is lectures, facilitated discussions, individual technical hands-on classes, and group technical hands-on classes.

B8.1.4.1. Prerequisite: See the ETCA website (<https://app10-eis.aetca.af.mil/etca/SitePages/home.aspx#Home>). Completion of ADT-1.

B8.1.4.2. This course is a one-time requirement for EOD personnel and attendance is mandatory for all personnel assigned to a custodial unit or an assignment supporting the nuclear enterprise. Seat allocations priority is given to personnel assigned to custodial units and attendance will be triggered once assigned.

B8.2. Prerequisite Waiver Authority.

B8.2.1. Waiver Authority for course prerequisites rests with the EOD Career Field Manager or delegated representative. The current designated representative is the EOD Force Development Manager.

B8.2.2. For custodial units, JNEODC rank prerequisite waiver authority has been delegated to the owning MAJCOM EOD Functional Area Managers.

B9. EOD and Civil Engineer (CE) Occupational Badges. The Civil Engineer Badge is the occupational badge for all 3E AFSCs. The EOD badge is a joint service badge awarded at the completion of Tech School with the CE badge. The criteria for subsequent awards (senior and master) are based on qualifications and leadership in EOD tasks in order to more closely align with sister service award criteria and maintain joint service parity. Further information on the wearing of the badge can be located in AFI 36-2903, *Dress and Personal Appearance of Air Force Personnel*.

B9.1. CE Occupational Badge. The Civil Engineer badge reflects a great history and tradition. By wearing it, you will be recognized by your fellow airmen as having achieved an expected level of competence. The multitude of engineers before you established this expectation through excellent service in both peace and war. Eligibility criteria for award and wear of AF occupational badges can be found in AFI 36-2903, *Dress and Personal Appearance of Air Force Personnel*.

B9.1.1. CE Badge Heraldry. Historically, the gearwheel and compass represent the engineering profession in both the military and civilian sector. The gear represents the essence of engineering—applying scientific principles and technology to practical ends. To Air Force engineers, the gear symbolizes an element (representing the built environment) that complements other environments (weapon systems and trained personnel) to enable the Air Force to perform its mission. The compass is a precision tool used by engineers to design and construct facilities and equipment. Together, the gear and compass symbolize all the diverse specialties within Air Force Civil Engineer enterprise. The wings help to portray the fundamental linkage between the

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engineering and aviation components—the built environment is the foundation supporting the Air Force mission and people.

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B9.1.2. CE Badge Wear Criteria.



B9.1.2.1. **Basic Badge.** The basic badge is awarded upon successful completion of the apprentice course.



B9.1.2.2. **Senior Badge.** The senior badge adds a star to the top of the badge. Wear the senior badge after award of the 7-skill level.



B9.1.2.3. **Master Badge.** The master badge adds a wreath around the star. The Master Badge is awarded to Master Sergeant or above with 5 years in the specialty from award of the 7-skill level.

B9.2. EOD Occupational Duty Badge. The EOD badge reflects the achievements and laurels gained in eliminating or minimizing accident potentials of hazardous ordnance, through the ingenuity and devotion to duty of our fellow EOD professionals. It also serves as a living memorial of our fellow EOD professionals who gave their lives while performing EOD duties. Eligibility criteria for award and wear of AF occupational badges can be found in AFI 36-2903.

B9.2.1. EOD Badge Heraldry.

B9.2.1.1. **Wreath.** Symbolic of the achievements and laurels gained in minimizing accident potentials, through the ingenuity and devotion to duty of its members. It is in the memory of those EOD professionals who gave their lives while performing EOD duties.

B9.2.1.2. **Bomb.** Copied from the design of the World War II Bomb Disposal Badge, represents the historic and major objectives of the EOD attack, the unexploded bomb.

B9.2.1.3. **Three Fins.** Represent the major areas of nuclear, conventional and chemical/ biological interest.

B9.2.1.4. **Lightning Bolts.** Symbolize the potential destructive power of the bomb and the courage and professionalism of EOD personnel in their endeavors to reduce hazards as well as to render safe explosive ordnance.

B9.2.1.5. **Shield.** Represents the EOD mission-prevent a detonation and protect the surrounding area and property to the utmost.

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B9.2.2. EOD Badge Wear Criteria. EOD Airmen will wear their specific duty badges in addition to the CE occupational badge. If filling an active EOD billet, the EOD badge takes precedence over the CE occupational badge. Use the following criteria for the award of the basic, senior and master EOD duty badges for enlisted and officer personnel.



B9.2.2.1. Award of basic EOD badge is achieved with successful graduation of EOD Technical School, Det 3, 366 TRS, Eglin Air Force Base, Florida.



B9.2.2.2. Award of the senior EOD badge is achieved four years from award of the basic EOD badge filling an active EOD billet, certified as a team leader in the CFETP and upon certification letter signed by EOD flight chief and approved by commander.



B9.2.2.3. Award of the master EOD badge is achieved after eight years from award of the basic EOD badge filling an active EOD billet, met all requirements for the senior EOD badge, and upon certification by EOD flight chief and approved by commander.

PART I**SECTION C - SKILL LEVEL TRAINING REQUIREMENTS**

C1. Purpose. The various skill levels in the career field are defined in terms of tasks and knowledge requirements for the EOD career ladder. They are stated in broad, general terms and establish the standards of performance. An all-encompassing core task list has been developed for this specialty because of the diversity of the missions supported and the equipment installed to meet mission requirements. Core tasks, knowledge items, and skill requirements for this specialty are identified in the STS. Completion of the mandatory 3-level awarding course, the mandatory completion of CDCs, the mandatory completion of applicable AFQTPs, and the mandatory 7-level Craftsman course, comprise Air Force requirements.

C2. Skill Level Training Requirements.**C2.1. Apprentice (3-Level) Training Requirements. (3E831).**

KNOWLEDGE	Completion of the EOD Preliminary course, J3AQR3E831 01AB at Sheppard AFB, TX and the NAVSCOLEOD Apprentice course, JBABN3E831 00NC at Elgin AFB, FL
EDUCATION	For entry into this specialty, completion of high school or general educational development (GED) equivalency is mandatory. Courses in physics, mechanics, and basic electronic theory are desirable.
TRAINING	Completion of the apprentice pipeline course (J3AQR3E831 01AB) and US Naval EOD School (JBABN3E831 00NC) course is mandatory for award of this skill level.
EXPERIENCE	None required.
OTHER	<p>*For entry, award and retention of AFSC 3E8X:</p> <ul style="list-style-type: none"> - No record of emotional instability - Passing color vision, as defined by correctly identifying at least 10 of 14 Ishihara Plates. - Must maintain local network access IAW AFI 17-130, <i>Cybersecurity Program Management</i> and AFMAN17-1301, <i>Computer Security</i>. - Specialty requires an adjudicated Secret (T3) security clearance, with an initiated Single Scope Background Investigation (T5) prior to attending Naval School Explosive Ordnance Disposal (NAVSCOLEOD). The T5 security clearance shall not be initiated until the T3 clearance is adjudicated. The T5 clearance is required due to training, assignments involving nuclear weapons, and United States Secret Service / Department of State Support. - Must maintain qualification for EOD IAW AFMAN 32-3001, EOD Program
IMPLEMENTATION	The 3-skill level is awarded upon graduating the apprentice pipeline course (J3AQR3E831 01AB), US Naval EOD School (JBABN3E831 00NC) course and submission by the Unit Training Manager at the member's unit of assignment.

*Refer to Air Force Enlisted Classification Directory (AFECD) Part I Section II and Attachment 4 for most current requirements.

PART I**C2.2. Journeyman (5-Level) Training Qualifications. (3E851)**

KNOWLEDGE	EOD flight organization; applied principles of electronics, physics, chemistry and mechanics; peacetime-wartime accident/incident response procedures; operational principles for specialized EOD tools, equipment and personal protective equipment; explosive and demolition procedures; access and recovery operations; explosive ordnance reconnaissance and assessment; weapons technical intelligence; post blast analysis; protection of personnel and property; render safe techniques; dynamic charges and explosive entry tools; range clearance operations; proficiency, training and demolition range management; treatment of explosives and related hazardous materials; identification, safety precautions, render safe, and disposal fundamentals for U.S and foreign munitions/aerospace systems; identification, response planning, tactical considerations, render safe and disposal fundamentals for improvised explosive devices and homemade explosives; procedural fundamentals for weapons of mass destruction response; equipment and procedures for chemical/biological warfare and nuclear weapons; airbase recovery operations; deployment procedures; movement by aircraft; small arms and crew served weaponry; joint service and special force support requirements; combat operations.
EDUCATION	N/A
TRAINING	<ul style="list-style-type: none"> - Completion of 3E851 CDCs is mandatory - Completion of the CE 5-Level Common Core Concept web-based course located on the CE-VLC is mandatory for award of this skill level - Certification of all 5-skill level core tasks identified with an asterisk (*) in the 5-skill level column of the STS - Certification of all 5-skill level diamond tasks identified with a diamond (◆) in the 5-skill level core task column of the STS if the equipment is available - Certification of duty position requirements identified by the supervisor
EXPERIENCE	<ul style="list-style-type: none"> - Qualification in and possession of AFSC 3E831 - Experience operating EOD tools/equipment, executing aerospace system response, rendering safe munitions, removing and treating hazardous unexploded ordnance or decontaminating activities - Minimum 12 months OJT (9 months for retrainees) before award of 5-skill level

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OTHER	<p>*For entry, award and retention of AFSC 3E8X:</p> <ul style="list-style-type: none"> - No record of emotional instability - Passing color vision, as defined by correctly identifying at least 10 of 14 Ishihara Plates. - Must maintain local network access IAW AFI 17-130, <i>Cybersecurity Program Management</i> and AFMAN17-1301, <i>Computer Security</i>. - Specialty requires an adjudicated Secret (T3) security clearance, with an initiated Single Scope Background Investigation (T5) prior to attending Naval School Explosive Ordnance Disposal (NAVSCOLEOD). The T5 security clearance shall not be initiated until the T3 clearance is adjudicated. The T5 clearance is required due to training, assignments involving nuclear weapons, and United States Secret Service / Department of State Support. <p>Must maintain qualification for EOD IAW AFMAN 32-3001, EOD Program</p>
IMPLEMENTATION	<p>Entry into 5-level upgrade training is initiated after the individual has completed all 3-level requirements. Qualification training is initiated any time individuals are assigned duties they are not certified to perform. Use OJT, CDCs, and AFJQSs concurrently to obtain the necessary qualifications</p>

*Refer to Air Force Enlisted Classification Directory (AFECD) Part I Section II and Attachment 4 for most current requirements.

C2.3. Craftsman (7-Level) Training Requirements. (3E871)

KNOWLEDGE	All 3- and 5-level knowledge requirements apply to 7-level
EDUCATION	<ul style="list-style-type: none"> - To assume the grade of SSgt, individuals must successfully complete Airman Leadership School (ALS) - To assume the grade of MSgt, individuals must successfully complete NCOA Academy. - Completion of the AFIT WMGT 433 EOD Flight Commanders/Chiefs Course is recommended for MSgt's - Possession of an Associate in Applied Sciences Degree in EOD is desirable
TRAINING	<ul style="list-style-type: none"> - Completion of in-residence 7-level Team Leader Course (J3ACR3E871 01AB) - Completion of the CE 7-Level Core Concept web-based course located on the CE-VLC is mandatory for award of this skill level - Certification of all 5-and 7- skill level core tasks identified by the 5 and 7 appropriately labeled column of the STS - Certification of duty position requirements identified by the supervisor
EXPERIENCE	<ul style="list-style-type: none"> - Qualification in and possession of AFSC 3E851 - Performing or supervising EOD functions and operations, such as, preparing operational orders/plans, training/organizing/equipping personnel, and conducting response activities - Must be SSgt with minimum 12 months OJT (6 months for retrainees)

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OTHER	<p>*For entry, award and retention of AFSC 3E8X:</p> <ul style="list-style-type: none"> - No record of emotional instability - Passing color vision, as defined by correctly identifying at least 10 of 14 Ishihara Plates. - Must maintain local network access IAW AFI 17-130, <i>Cybersecurity Program Management</i> and AFMAN17-1301, <i>Computer Security</i>. - Specialty requires an adjudicated Secret (T3) security clearance, with an initiated Single Scope Background Investigation (T5) prior to attending Naval School Explosive Ordnance Disposal (NAVSCOLEOD). The T5 security clearance shall not be initiated until the T3 clearance is adjudicated. The T5 clearance is required due to training, assignments involving nuclear weapons, and United States Secret Service / Department of State Support. - Must maintain qualification for EOD IAW AFMAN 32-3001, EOD Program
IMPLEMENTATION	<p>Entry into 7-level training is initiated when an individual is selected for SSgt and is fully qualified in the AFSC 5-skill level. Qualification training is initiated any time individuals are assigned duties they are not qualified to perform. Use OJT, CDCs, and AFJQSs concurrently to obtain the necessary qualifications.</p>

*Refer to Air Force Enlisted Classification Directory (AFECD) Part I Section II and Attachment 4 for most current requirements.

C2.4. Superintendent (9-Level) Training Requirements. (3E891)

KNOWLEDGE	All 3-, 5-, and 7-level knowledge requirements apply to 9-level
EDUCATION	<ul style="list-style-type: none"> - Must complete Senior NCO Academy. - Completion of AFIT WMGT 570 Civil Engineer Superintendent Course is mandatory for Active Duty and Air Force Reserve SMSgts (not a skill level awarding course) - Completion of AFIT WMGT 570 Civil Engineer Superintendent Course is highly encouraged for Air National Guard SMSgts and mandatory to be promoted to CMSgt (not a skill level awarding course) - Completion of the AFIT WMGT 433 EOD Flight Commanders/Chiefs Course is highly encouraged - Possession of an Associate Degree is required. The Associate Degree in Applied Sciences Degree in EOD is desirable, and/or a bachelor's degree in any other related field
TRAINING	Completion of duty position training requirements and certification of all 5- and 7-skill level core tasks identified as 5- and 7 within the appropriately labeled columns of the STS is mandatory
EXPERIENCE	<ul style="list-style-type: none"> - Qualification in and possession of AFSC 3E871 - Managing EOD functions or operations, such as, evaluating, planning, organizing and leading EOD activities in the fulfillment of the broad scope of EOD duties and responsibilities

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OTHER	<p>*For entry, award and retention of AFSC 3E8X:</p> <ul style="list-style-type: none"> - No record of emotional instability - Passing color vision, as defined by correctly identifying at least 10 of 14 Ishihara Plates. - Must maintain local network access IAW AFI 17-130, <i>Cybersecurity Program Management</i> and AFMAN17-1301, <i>Computer Security</i>. - Specialty requires an adjudicated Secret (T3) security clearance, with an initiated Single Scope Background Investigation (T5) prior to attending Naval School Explosive Ordnance Disposal (NAVSCOLEOD). The T5 security clearance shall not be initiated until the T3 clearance is adjudicated. The T5 clearance is required due to training, assignments involving nuclear weapons, and United States Secret Service / Department of State Support. - Must maintain qualification for EOD IAW AFMAN 32-3001, EOD Program
IMPLEMENTATION	Entry into 9-level training is initiated when an individual is selected for SMSgt and is a fully qualified 7-Level. Qualification training is initiated any time an individual is assigned duties they are not certified to perform.

*Refer to Air Force Enlisted Classification Directory (AFECD) Part I Section II and Attachment 4 for most current requirements.

C2.5. EOD Manager. (3E800)

KNOWLEDGE	All 3-, 5-, 7-, and 9-level knowledge requirements apply to 0-level
EDUCATION	Possession of an Associate Degree is required. The Associate Degree in Applied Sciences Degree in EOD is desirable, and/or a bachelor's degree in any other related field
TRAINING	N/A
EXPERIENCE	<ul style="list-style-type: none"> - Possess qualifications in feeder specialty (3E891) prior to award of Civil Engineer EOD Manager code 3E800 - Managerial ability to plan, direct, coordinate, implement, and control a wide range of work activity
OTHER	<p>*For entry, award and retention of AFSC 3E8X:</p> <ul style="list-style-type: none"> - No record of emotional instability - Passing color vision, as defined by correctly identifying at least 10 of 14 Ishihara Plates. - Must maintain local network access IAW AFI 17-130, <i>Cybersecurity Program Management</i> and AFMAN17-1301, <i>Computer Security</i>. - Specialty requires an adjudicated Secret (T3) security clearance, with an initiated Single Scope Background Investigation (T5) prior to attending Naval School Explosive Ordnance Disposal (NAVSCOLEOD). The T5 security clearance shall not be initiated until the T3 clearance is adjudicated. The T5 clearance is required due to training, assignments involving nuclear weapons, and United States Secret Service / Department of State Support. - Must maintain qualification for EOD IAW AFMAN 32-3001, EOD Program

PART I

IMPLEMENTATION	Entry into Civil Engineer Manager Code 3E800 is initiated when an individual is selected for CMSgt and possess qualifications in a feeder specialty 3E891.
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*Refer to Air Force Enlisted Classification Directory (AFECD) Part I Section II and Attachment 4 for most current requirements.

PART I**SECTION D - RESOURCE CONSTRAINTS**

D1. Purpose. This section identifies known resource constraints, which preclude optimal and desired training from being developed or conducted, including information such as cost and manpower. Narrative explanations of each resource constraint and an impact statement describing what effect each constraint has on training are included. Also included in this section are actions required, office of primary responsibility, and target completion dates. Resource constraints will be, as a minimum, reviewed and updated annually.

D2. Apprentice (3-Level) Training:

D2.1. Constraints. None.

D2.1.1 Impact. None.

D2.1.2. Resources Required. None.

D2.1.3. Action Required. None.

D2.2. OPR/Target Completion Date. None.

D3. Journeyman (5-Level) Training:

D3.1. Constraints. None.

D3.1.1. Impact. None.

D3.1.2. Resources Required. None.

D3.1.3. Action Required. None.

D3.2. OPR/Target Completion Date. None.

D4. Craftsman (7-Level) Training. None.

D4.1. Constraints. None.

D4.1.1. Impact. None.

D4.1.2. Resources Required. None

D4.1.3. Action Required. None.

D4.2. OPR/Target Completion Date. None.

PART I

SECTION E – TRANSITIONAL TRAINING GUIDE

“There are no transition training requirements at this time. This section is reserved.”

PART II

SECTION A - SPECIALTY TRAINING STANDARD

A1. Implementation. This STS will be used to identify technical training provided by AETC for the 3-level Naval School EOD Apprentice pipeline course and the 7-level Team Leader Course.

A2. Purpose. As prescribed in AFI 36-2651, *Air Force Training Program*, and in collaboration with the Civil Engineer, Air Force Career Field Manager (AFCFM), it is mandatory for all civil engineers, regardless of duty assignment, to use an automated training record. The automated training record currently being utilized to document upgrade and qualification training is the Air Force Training Record (AFTR) and the application is located on the [CE-VLC](#).

A2.1. Column 1 (Tasks, Knowledge, and Technical References). Lists the most common tasks, knowledge, and supporting technical references (TR) necessary for Airmen to perform duties in the 3-, 5-, and 7-skill level.

A2.2. Column 2 (Core Tasks). Identifies core tasks (specialty-wide training requirements) by 3, 5 or 7 in the appropriate column. **As a minimum, trainees must complete hands-on certification on all core, critical and diamond tasks for skill level upgrade.**

A2.2.1. Wartime Tasks. All tasks in the 3-level course column are considered wartime tasks. In response to a wartime scenario, these tasks will be taught in the 3-level course in a streamlined training environment.

A2.2.2. Asterisk Tasks. Tasks identified by an asterisk (*) are considered contingency/war task and are critical to the career field. Equipment shortfalls at most locations have created problems with actual hands-on certification of these tasks. In instances where required equipment is not available for hands-on training, reading the applicable EOD technical orders/mmanufacturer manuals as references until equipment becomes available is all that is required for upgrade training.

A2.3. Column 3 (Certification for OJT). Used to record completion of tasks and knowledge training requirements. Use the automated training record application to document individual qualifications. **Task certification of core, critical and diamond tasks** require a training completion date and initials of the trainee, trainer, and certifier. All non-core tasks require training completion date and initials of the trainee and trainer only.

A2.4. Column 4 (Proficiency Codes Used to Indicate Training/Information Provided). Indicates formal training and correspondence course requirements. It shows the proficiency to be demonstrated on the job by the graduate as a result of training on the task, knowledge and the career knowledge provided by formal courses, CDC, distance learning (DL) and web-based training (WBT). See CADRE/AFSC/CDC listing maintained by the unit education and training manager for current CDC listings.

A2.5. Qualitative Requirements. Contains the proficiency code key used to indicate the level of training and knowledge provided by WBT, resident training and career development courses.

PART II

A2.6. Job Qualification Standard (JQS). The STS becomes the JQS for OJT when placed in automated training application and used according to AFI 36-2651. For OJT, the tasks in Column 1 are trained and qualified to the go/no go level. “Go” means the individual can perform the task without assistance and meets local requirements for accuracy, timeliness, and correct use of procedures. When used as a JQS, the following requirements apply:

A2.6.1. Documentation. Document and certify completion of training.

A2.6.1.1. Duty position. Duty position titles and task requirements will be developed and identified by the workcenter supervisor and loaded into the automated training application. Completion of core, critical and diamond tasks are mandatory for all duty positions. Ensure the correct duty position title is listed under Profile 1 section of the trainee’s automated training record.

A2.6.1.2. Duty position change. To change a trainee duty position title select the Profile section under the trainee record and select the new duty position from the dropdown box, entry the date entered new duty position and save the update. Under the trainee JQS section you will see the new tasks associated with the selected duty position. The trainee and trainer/certifier will need to sign off the tasks associated with the new position.

A2.6.3. Transcribing from previous versions to the new CFETP. Most items should transcribe automatically during the update of the new CFETP. The UTM and supervisor must conduct a review of the new STS to identify any new core, diamond, or non-core tasks and add those tasks to their duty positions.

A2.6.3.1. Previous training certification not listed If previous training certification is not listed in the individual record, select the parent task to be transcribed, check the task title(s) block, and click on the transcribe button. Enter the date of the original certification and sign off the task(s). The trainee will then sign off the task(s) to finalize the transcription of previous training certification. The automated application will place an entry into the trainee 623a and must be acknowledged by the transcriber and trainee.

A2.6.3.2. Transcribing external training certification. If a trainee attended a formal training course and received appropriate accreditation, select the 623 III section of the user’s automated training record and locate the course title in the master task list, then enter the completion date. If the course title is not listed, contact the UTM to have it loaded from the master catalog. If it is not listed in the master catalog contact the EOD FDM at AFCEC to have it loaded in the master catalog.

PART II

A2.6.4. Documenting Career Knowledge. When a CDC is not available, the supervisor identifies STS training references that the trainee requires for career knowledge IAW AFI 36-2651, *Air Force Training Program* and ensures, as a minimum, that trainees cover all mandatory items specified in AFI 36-2101, *Classifying Military Personnel (Officer and Enlisted)*. For two-time CDC exam failures, the unit commander will take appropriate action IAW AFI 36-2651.

Note: Career knowledge must be documented prior to submitting a CDC waiver.

A2.6.5. Decertification. When an Airman is found to be unqualified on a task, the supervisor shall identify the task in the JQS and check the box next to the task title. The supervisor shall select the Decertify button on the screen menu and enter a 623a comment explaining why the task was decertified, and then enter the Airman into qualification training. The individual is recertified using the normal certification process.

A2.6.6. Recertification. When an Airman is required to be recertified on a previous task due to annual or bi-annual requirements. The supervisor shall identify the task in the JQS and check the box next to the task title and select the Recertify button on the screen and entry the dates the recertification was completed.

A2.6.7. Training Standard. Tasks are trained and certified to the “go” level. Go means the individual can perform the task without assistance and meets the local requirements for accuracy, timeliness, and correct use of procedures. This equates to a 3c in the proficiency code key.

A2.7. Specialty Training Standard. The STS is a guide for development of promotion tests used in the Weighted Airman Promotion System (WAPS). Specialty Knowledge Tests are developed at the USAF Airman Advancement Division by senior NCOs with extensive practical experience in their career fields. The tests sample knowledge of STS subject matter areas judged by test development team members as most appropriate for promotion to higher grades. Questions are based upon study references listed in the Enlisted Promotions References and Requirements Catalog. Individual responsibilities are in AFI 36-2605, *AF Military Testing System*. WAPS is not applicable to the Air National Guard or Air Reserve Forces.

A3. Recommendations. Comments and recommendations are invited concerning quality of training AETC graduates receive. Reference this STS and address your correspondence regarding changes to 782 TRG/TGE, 917 Missile Road, Rm 1A300, Sheppard AFB TX 76311-2368 or E-mail 782csil@us.af.mil. A Customer Service Information Line (CSIL) has been installed for the supervisor’s convenience to identify graduates who may have received over or under training on tasks/knowledge items listed in this STS. For a quick response to problems, call the CSIL at DSN 736-2574 any time day or night.

PART II**SECTION B - COURSE OBJECTIVE LIST (COL)**

B1. Measurement. Measurement of each objective is indicated as follows:

B1.1. Written Test (W) indicates task or subject knowledge that is measured using a written test.

B1.2. Performance Test (P) indicates required task performance that is measured with a performance test.

B1.3. Progress Check (PC) indicates separate measurement of both knowledge and performance elements measured with a performance progress check.

B2. Standard.

B2.1. EOD Preliminary Course (J3AQR3E831 01AB) Sheppard AFB TX. The standard is 80% on written examinations. Standards for performance measurement are indicated in the objectives and delineated on the individual progress checklist. Instructor assistance is provided as needed during the progress check or performance test, and students may be required to repeat all or parts of the behavior until satisfactory performance is attained.

B2.2. NAVSCOLEOD Apprentice Course (JBABN3E831 00NC) Eglin AFB, FL. The minimum passing score is 85%. Standards for student measurements are indicated in the objectives. Students are normally afforded a retest if at least 85% is not attained. A Naval School EOD Joint Academic Review Board (ARB) is normally conducted for students that do not attain a passing score on retest. Training continuation is decided by the Commanding Officer, Naval School EOD, based on academic records, recommendations from ARB and 366 TRS Detachment 3 Commander.

B3. Proficiency Level. Most task performance is taught to the “2b” proficiency level, which means the student can do most parts of the task, but does need assistance on the hardest parts of the task (partially proficient). The student can also determine step-by-step procedures for doing the task.

B4. Course Objective List. These objectives are listed in the sequence taught by Blocks of Instruction, per AETCI 36-2641, *Technical and Basic Military Training Development*.

B4.1. Initial Skills Course. A detailed listing of the initial skills course objectives may be obtained by written request to 366 TRS/DO, 727 Missile Road, Sheppard AFB TX 76311- 2254.

B4.2. 7-Skill Level Course. A detailed listing of the EOD Team Leader Course objectives may be obtained by written request to 366 TRS/DO, 727 Missile Road, Sheppard AFB TX 76311- 2254.

PART II**SECTION C - SUPPORT MATERIAL**

C1. Purpose. The following list of support materials is not all-inclusive; however, it covers the most frequently referenced areas.

C1.1. Computer-based and Web-based Air Force Qualification Training Packages (AFQTPs).

Specialized Training**Source**

Large-scale Munitions Disposal Procedures

[CE VLC](#)

Explosive Entry Tools

[CE VLC](#)

EOD Homemade Explosives (HME)

[CE VLC](#)

EOD Basic Electronics

[CE VLC](#)

EOD Fieldcraft

[CE VLC](#)

CVRJ Operator Course

[CE VLC](#)

IED Electronics

[CE VLC](#)

Minehound Familiarization

[CE VLC](#)

EOD Explosive Entry Tools

[CE VLC](#)

EOD B-1B Aircraft Familiarization Course

[CE VLC](#)

EOD B-2 Aircraft Familiarization Course

[CE VLC](#)

EOD B-52H Aircraft Familiarization Course

[CE VLC](#)

EOD F-22A Aircraft Familiarization Course

[CE VLC](#)

Andros F6A Familiarization Course

[CE VLC](#)

C1.2. Pending Computer-based and Web-based Air Force Qualification Training Packages (AFQTPs).

AF JCREW I1B1 Administrator Course

AF JCREW I1B1 Dismounted Operator Course

AF JCREW I1B1 Mounted Operator Course

AF JCREW I1B1 Maintainer Course

EOD A-10 Aircraft Familiarization Course

EOD F-15 Aircraft Familiarization Course

EOD F-16 Aircraft Familiarization Course

EOD F-35 Aircraft Familiarization Course

EOD MQ-9 Aircraft Familiarization Course

EOD AC/MC-130 Aircraft Familiarization Course

Post Blast Analysis

Recovery of Airfields Denied by Ordnance (RADBO) Truck Familiarization

PART II**SECTION D – EDUCATION AND TRAINING COURSE INDEX**

D1. Purpose. This section of the CFETP identifies training courses available for the Explosive Ordnance Disposal specialty. Refer to Education and Training Course Announcements (ETCA) web site for information on the Air Force in-residence courses. The web site address is <https://app10-eis.aetc.af.mil/etca/SitePages/home.aspx#Home>.

D2. Air Force In-Residence Courses/Mobile Training Team (MTT) Courses.

Course Number	Title	Source/Location	Requirement
J3AQR3E831 01AB	EOD Preliminary	366TRS, Sheppard AFB TX	Core (Mission Essential)
JBABN3E831 00NC	EOD Apprentice	NAVSCOLEOD, Eglin AFB FL	Core (Mission Essential)
J3ACR3E871 01AB	EOD Team Leader Course	366TRS, Sheppard AFB TX	Core (Mission Essential)
J5AAD3E851 0A1A	Advanced Diagnostics Training (ADT) 1	Defense Nuclear Weapons School, Kirtland AFB NM	Core (Mission Essential)
J5AAD3E851 0A2A	Advanced Diagnostics Training (ADT) 2	Defense Nuclear Weapons School, Kirtland AFB NM	Core (Mission Essential)
J5AZ03E871 00DA	Joint Nuclear EOD (JNEOD)	Defense Nuclear Weapons School, Kirtland AFB NM	Core (Mission Essential)
JBAZN3E871 00NA	Advanced Improvised Explosive Device (AIEDD) Defeat	NAVSCOLEOD, Eglin AFB FL	Core (Mission Essential)
J5AZD3E851 00LA	Joint EOD Military Homemade Explosive Course	Joint EOD Program/AF EOD CFM Endorsed; Los Alamos Labs, NM	Core (Mission Critical)
J5AZA3E851 00RA	Domestic Homemade Explosives Course	ATF Training Site; Redstone Arsenal, AL	Core (Mission Critical)
J5AZD3E851 00FA	FBI National Improvised Explosives Familiarization (NIEF)	Redstone Arsenal, Huntsville AL	Core (Mission Essential)
WMGT 433	EOD Flight Management	AFIT, Wright Patterson AFB OH	Core (Mission Essential)
WMGT 570	CE Superintendent	AFIT, Wright Patterson AFB OH	Core (Mission Essential)
S-V88-AL	Evasion, Conduct After Capture	AETC/A3TX, Lackland AFB TX	Core (Mission Essential)

PART II**D3. Air Force Career Development Academy (AFCDA).**

Course Number	Title	Status
CDC 3E851 B	EOD Journeyman	Aug 97 (Deactivated date)
CDC 3E851 G	EOD Journeyman	Mar 04 (Deactivated date)
CDC 3E851 H	EOD Journeyman	Mar 04 (Deactivated date)
CDC 3E851 I	EOD Journeyman	Aug 03 – Edit Code 2
CDC 3E851 N	EOD Journeyman	May 07 – Edit Code 3 (Deactivated Feb 18)
CDC 3E851 A	EOD Journeyman	Edit Code 2 (Activated 2 Feb 18)
CDC 3E851B	EOD Journeyman	Edit Code 2 (Activated 2 Feb 18)

D4. Multi-Media Training (MMT).

Requirement	Course	Source
One Time	AF Emergency Management Program	Advanced Distributed Learning Service (ADLS) (https://golearn.adls.af.mil)
One Time	HazMat Awareness	Total Force Virtual Learning Center (TFVLC) (http://totalforcevlc.golearnportal.org)
One Time	HazMat Ops Certification	
One Time	Confined Space General Worker: Entrant, Attendant, and Supervisors	Civil Engineer Virtual Learning Center (CE-VLC) (https://afcec.adls.af.mil)
One Time	EOD Homemade Explosive's (HME)	
One Time	EOD Basic Electronics	
Annual	EOD Large-scale Munitions Disposal	
One Time	EOD Explosive Entry Tools	
As needed	EOD Andros F6A Familiarization	
As needed	Joint EOD Satellite Communications (SATCOM)	
As needed	Joint EOD CREW Vehicle Receiver/Jammer Operator's	
As needed	EOD B-1B Aircraft Familiarization	
As needed	EOD B-2 Aircraft Familiarization	
As needed	EOD B-52H Aircraft Familiarization	
As needed	EOD F-22A Aircraft Familiarization	

PART II**D5. Courses/CDCs Under Development/Revision.**

Course Number	Title	Developer	Date Due
N/A	Global C-IED Threat Assessment	AFCEC	N/A
N/A	Mission Skills Tactics Training (MSTT)	AFCEC	N/A
CDC 3E851	EOD Journeyman	366 TRS/TRR	1 Oct 20
N/A	MRAP/MATV Driver Course	AFCEC	N/A
N/A	Range Skills Training	AFRC	N/A

D6. Courses Rescinded.

Course Number	Title	Developer	Conversion
L3AQR3E831 0E0A	EOD Preliminary	342 TRS, Lackland AFB, TX	J3AQR3E831 01AA
J3AQR3E831 01AA	EOD Preliminary	366TRS, Sheppard AFB TX	J3AQR3E831 01AB
JCABP3E831 00AA	EOD Air Force Unique Course	366 TRS, Eglin AFB FL	None
J5AZO3E871 00EA (DETS)	Air Force Nuclear Enhancement Course (AFNEC)	Sandia National Laboratories, Kirtland AFB NM	Joint EOD Level 3 Incident Response – Nuclear (L3IR(N)), J5OZD32 E3G 01DA
J5OZD32E3G 01DA	Joint EOD Improvised Nuclear and Radiological Dispersal Device Recognition Course (JEIRRC)	Sandia National Laboratories, Kirtland AFB NM	
J5OZD32E3G 01DA	Joint EOD Level 3 Incident Response – Nuclear (L3IR(N))	Defense Nuclear Weapons School, Kirtland AFB NM	Advanced Diagnostics Training (ADT) 1 & 2
J3ACR3E871 01AA	EOD 7-Level Craftsman	366 TRS, Eglin AFB, FL	J3ACR3E871 01AB

PART II**D7. Other EOD Mission Related Courses.**

Course Number	Title	Source/Location	Requirement
Multi-Venue	Advanced Tactics Training	AFCFM/MAJCOM Approved	Sustainment
Multi-Venue	Post-Blast Analysis	* FBI Local SABT * ATF MTT/Redstone * MAJCOM/AF EOD CFM Endorsed	Core (Mission Critical)
Multi-Venue	Weapons Technical Intelligence	MAJCOM/AF EOD CFM/FDM Approved	Sustainment (Discretionary)
Multi-Venue	Combat Lifesaver/Tactical Combat Casualty Care	MAJCOM/AF EOD CFM/FDM Approved	Enhancement (Discretionary)
J5OZD32E3G 00DA	Nuclear Emergency Team Operations	Defense Nuclear Weapon School, Kirtland AFB NM	Enhancement (Discretionary)
JBOZD21A1A 00DA	Nuclear Weapons Orientation Course (NWOC)	Defense Nuclear Weapon School, Kirtland AFB NM	Enhancement (Discretionary)
JBOZD32E1D 00DA	Joint DoD/DoE Nuclear Surety Exec Course (JNSEC)	Defense Nuclear Weapon School, Kirtland AFB NM	Enhancement (Discretionary)
J5OZD13B4 04DA	Theater Nuclear Operation Course (TNOC)	Defense Nuclear Weapon School, Kirtland AFB NM	Enhancement (Discretionary)
SOED-DIT PDS code X9D	Dynamics of International Terrorism	Special Operations University, Hurlburt Field FL	Enhancement (Discretionary)
Multi-Venue	Helicopter Rope Suspension Techniques (HRST)	MAJCOM/CFM/FDM Approved	Enhancement (Discretionary)
2E-SI5P/SQI7/011-SQIP	Airborne School	1st Battalion, 507th Parachute Infantry Regiment, Fort Benning, GA	Enhancement (Discretionary)
419/420	Air Assault School	Fort Drum/Fort Hood	Enhancement (Discretionary)
M24M7A	USMC Basic Mountain Leader	Mountain Warfare Training Center, Bridgeport CA	Enhancement (Discretionary)
M24YAK	USMC Assault Climbers	Mountain Warfare Training Center, Bridgeport CA	Enhancement (Discretionary)
Multi-Venue	Foreign or Civilian IED or Bomb Disposal Schools	MAJCOM/CFM/FDM Approved	Enhancement (Discretionary)
N/A	Robot Maintenance	MAJCOM/CFM/FDM Approved	Enhancement (Discretionary)

PART II

PART II**SECTION E – MAJCOM UNIQUE REQUIREMENTS**

E1. Purpose. This section of the CFETP identifies MAJCOM unique training requirements for EOD.

E2. MAJCOM Unique Training.

E2.1. Air Force Global Strike Command.

Course Number	Title	Source / Location
M02M729	Methods of Entry Course	Methods of Entry School (MOES), Weapons Training Battalion, Quantico, VA
Multi-Venue	Helicopter Rope Suspension Techniques (HRST) Operations	MAJCOM Approved

E2.2. Air Combat Command (820 COS Moody AFB).

Course Number	Title	Source / Location
2E-SI5P/SQIP/011-SQIP	Army Airborne	1st Battalion, 507th Parachute Infantry Regiment, Fort Benning, GA
419/420	Air Assault	Fort Drum/Fort Hood

E2.3. Air Force Special Operations Command.

Course Number	Title	Source / Location
2E-SI5P/SQIP/011-SQIP	Army Airborne	Fort Benning, GA
A-431-0135	Navy Parachute Static Line	Coronado, CA
419/420	Air Assault	Fort Drum/Fort Hood
Multi-Venue	Helicopter Rope Suspension Techniques (HRST) Operations	MAJCOM Approved
J4AMP2W1X1 M17A	AC-130 Hot-Gun Course	Hurlburt Field, FL

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E2.4. US Air Force Europe.

Course Number	Title	Source / Location
M02M729	Methods of Entry Course	Methods of Entry School (MOES), Weapons Training Battalion, Quantico, VA

PART II**SECTION F - HOME STATION TRAINING**

F1. Purpose. The purpose of this section is to identify the tasks, training references, and training sources available in support of contingency/wartime training. Civil Engineer forces will train to meet the full range of tasks expected in the contingency environment. Training ranges from knowledge-type training conducted in a classroom, to task-oriented hands-on training conducted in the field. These training requirements, frequencies, and sources are listed in AFI 10-209, *RED HORSE Program* and AFI 10-210, *Prime Base Emergency Engineer Force (BEEF) Program*.

F2. Home Station Training (HST). HST training is knowledge-based and hands-on training. The CE Commander ensures training is provided and documented and arranges for subject matter experts to conduct training as required. This includes training primarily accomplished during Prime BEEF training days. Units must make every effort to incorporate realism into their respective HST training programs. Field gear (to include primary weapons) must be used as the “norm” rather than the exception whenever training requirements such as security activities, convoy operations, defensive fighting positions, etc. are accomplished. Units will use demonstration performance packages, qualification training packages, other multimedia training packages, and AF CE standardized lesson plans to present the material. MAJCOMs and the ANG may develop and require other training materials to accomplish knowledge-based training.

F2.1. EOD (3E8X1) Specific Training. Exercises are to be accomplished, at a minimum, on an annual basis. EOD Flights are encouraged to increase the frequency in areas they feel are necessary.

F2.2. Aerospace System/Vehicles Exercise.

F2.3. Conventional Ordnance (One Peacetime/One Contingency) Exercise.

F2.4. Rapid Airfield Damage Recovery

F2.5. Counter-Improvised Explosive Device (IED) Exercise (One Peacetime/One Contingency).

F2.6. Weapon of Mass Destruction (WMD) Exercise.

F2.7. Nuclear Weapon Response - Broken Arrow (Non-Custodial=Annual / Custodial=Semi-Annual) Exercise. Traditional Guard/Reserve individuals may conduct the response exercise via table top.

F2.8. Chemical/Biological Exercise (Contingency – including disposal).

F2.9 Demolition Operation

F2.10 Sterile Bay Operation-Custodial units only (semi-annual on supported systems)

F2.11. Active Range Clearance War Skills. Complete Range Support Tasking within 48 months after graduating from EOD School. Complete one-time follow-on training within 60 months after

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award of 7-skill level. See AFI 32-3001 and Range Clearance Operations AFTTP for performance expectations. These requirements are currently under review and will likely change. This will involve a name change to Range Operations Training but the requirements are in draft.

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SECTION G – EOD STANDARD TRAINING PACKAGE

G1. Objective. Ensure we provide our customers with the best EOD capability in DoD. We accomplish this by producing highly qualified and technically proficient EOD Airmen capable of safely and efficiently performing the EOD peacetime and wartime missions.

G1.1. All active duty EOD personnel at flight level will participate in flight training per AFMAN 32-3001 *EOD Program*. If management duties prevent the senior officer and senior non-commissioned officer of the flight from full participation in training, the following training as a minimum will be completed: monthly proficiency, nuclear weapons training, and SORTS reportable training.

G1.2. EOD personnel assigned above wing level and those assigned special duty, i.e. instructor duty, Silver Flag Exercise Sites, or other authorized EOD billets, should accomplish Group I requirements as a minimum. Accomplishment of Group II through Group IV is not mandatory however; individuals are highly encouraged to complete additional training when possible.

G1.3. The training requirements in each group will be published annually by AFCEC/CXD as part of the EOD Master Training Plan.

G2. Group I Training Requirements (Monthly Qualification Training). Training or operations involving the use of cartridge-actuated tools, demolition explosives, or pyrotechnic devices used to perform render-safe procedures (RSP) or general demolition using live-explosives. Subjects listed in this section are taught as practical (hands on) training for all team members utilizing flight training explosive, tools and equipment inventories. List provides expectations for the minimum explosive training that will occur and does not require accomplishment in any specific order.

General Demolition Procedures
Non-Electric Firing System
Electric Firing System
Detonating Cord Firing Systems
Disposal Techniques
Shaped Charge Procedures
Cartridge Actuated Explosive Tools
Dynamic Charges, i.e. WBC, MLVD, Hydra-Jet, Bootbanger...
Unserviceable Munitions Disposal Practical
Thermite Burn Procedures
EXROD Procedures
Explosive Access Techniques

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G3. Group II Training Requirements (Semiannual Training Requirements). Subjects in this section are taught in a classroom setting followed by practical (hands on) training for all team members. During the classroom training tools are assembled, unique features and safety precautions briefed, and equipment applications and limitations discussed. Classroom instruction on procedures should coincide with Group IV practical exercise schedule.

G4. Group III Training Requirements (Annual Training Requirements). Classroom and practical (when applicable) training on specific items.

G5. Group IV Training Requirements.

G5.1. Practical Training and Exercise Requirements. Team exercises allow members to apply knowledge learned in the classroom to formulate plans, select and use equipment, manage personnel, and direct operations to resolve incidents or accident situations involving explosive ordnance. Exercise will be conducted to enhance realism and incorporate all equipment and procedures associated with the scenario. Exercise participation, as an observer, instructor, evaluator, or participant will fulfill minimum training requirements.

G5.2. Practical Training and Exercise Physicality Expectations. Physical fitness is core of a combat warrior, ensures mission readiness, and supports the Airman Warrior ethos. Mission, equipment, and TTPs; EOD requirements are physically demanding which requires a high level of physical fitness. Practical training and exercises should test the physical capabilities relative to EOD mission and provide an avenue to evaluate EOD Airmen's physical performance.

G5.3. EOD practical training and exercises, specifically: Weapon of Mass Destruction; Nuclear Weapon Response; Chemical/Biological Weapon, utilizing SCBA and personal protective equipment fulfills intent of eight hour HAZMAT Operation Core w/PPE Annual Refresher Training.

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G6. Group V Training Requirements (Supplementary Training). Ancillary or other specialized training required by directive to perform general or specific additional military duties. This section may also be used to record training conducted in excess of STP requirements.

BY ORDER OF THE SECRETARY OF THE AIR FORCE

OFFICIAL

JOHN J. ALLEN Jr., Brigadier General, USAF
DCS/Logistics, Installation and Mission Support

2 Attachments

1. Qualitative Requirements (Proficiency Code Key)
2. 3E8X1 Specialty Training Standard

Attachment 1

A1. Qualitative Requirements (Proficiency Code Key)

<i>This Block Is For Identification Purposes Only.</i>		
Name Of Trainee		
Printed Name (Last, First, Middle Initial)	Initials (Written)	SSAN (Last four)
Printed Name Of Trainer, Certifying Official And Written Initials		
N/I	N/I	
N/I	N/I	
N/I	N/I	

Note: Place a continuation sheet behind the CFETP when additional space is required.

Proficiency Code Key		
	Scale Value	Definition: The individual:
Task Performance Levels	1	Can do simple parts of the task. Needs to be told or shown how to do most of the task. (Extremely Limited)
	2	Can do most parts of the task. Needs only help on hardest parts. (Partially Proficient)
	3	Can do all parts of the task. Needs only a spot check of completed work. (Competent)
	4	Can do the complete task quickly and accurately. Can tell or show others how to do the task. (Highly Proficient)
*Task Knowledge Levels	a	Can name parts, tools, and simple facts about the task. (Nomenclature)
	b	Can determine step by step procedures for doing the task. (Procedures)
	c	Can identify why and when the task must be done and why each step is needed. (Operating Principles)
	d	Can predict, isolate, and resolve problems about the task. (Advanced Theory)
**Subject Knowledge Levels	A	Can identify basic facts and terms about the subject. (Facts)
	B	Can identify relationship of basic facts and state general principles about the subject. (Principles)
	C	Can analyze facts and principles and draw conclusions about the subject. (Analysis)
	D	Can evaluate conditions and make proper decisions about the subject. (Evaluation)
Explanations		
5	This symbol in the core task column indicates that it is a 5-level core task.	
7	This symbol in the core task column indicates that it is a 7-level core task.	
9	This symbol in the core task column indicates that it is a 9-level core task.	
^	This symbol in the core task column indicates that 3 rd party task certification is required.	
*	This symbol in the deployment column indicates that the task is deployment task.	
2b/b	This mark in the course columns is used to show that training is required but not given due to limitations in resources. Marking is an example.	
(I)	This mark in the course columns is used to show that training is multi-service.	
◆	A diamond in the task column indicates it is a core task, however due to equipment or funding constraint at some units, the completion of the AFQTP and/or web-based training course is all that is required for upgrade. Hands-on certification must be accomplished at the first opportunity when equipment or funding is available.	
TQT	TQT in the task column indicates the task is a CBRN Qualification Task. IAW AFI 10-2501, these tasks will also be accomplished in MOPP 4 and annotated on the 623A or AF Form 797.	
Specific tasks not identified with a symbol or proficiency code key indicates no training is provided in the course. Major commands and/or units may establish scale values and combat training as dictated by mission requirements.		
A task knowledge scale value may be used alone or with a task performance scale value to define a level of knowledge for a specific task.		
A subject knowledge scale value is used alone to define a level of knowledge for a subject not directly related to any specific task, or for a subject common to several tasks.		

Attachment 2 3E8X1 Specialty Training Standard

A2. 3E8X1 Specialty Training Standard.

A2.1. Identification. In the automated training record User Profile section the UTM will assign individuals to the correct workcenter upon in processing into the unit.

A2.1.1. For new trainee the UTM will assist them in creating a training record on the [CE-VLC](#) and placing them in the correct workcenter and specialty within their unit. Additional information will need to be entered into the following areas:

A2.1.1.1. User Administrators:

A2.1.1.1.1. Individual UTM

A2.1.1.1.2. Workcenter Supervisor

A2.1.1.1.3. Immediate Supervisor

A2.1.1.2. User Training Information:

A2.1.1.2..1 Duty Position

A2.1.1.2.2. Date Entered Duty Positions

A2.1.1.2.3. Training Status Code

A2.1.1.2.4. Date Entered Upgrade Training (UGT)

A2.1.2. For all other the UTM will need to place the individual into the correct workcenter and specialty. If the individual record is not available contact the losing unit to have the record transferred. If this fails, contact the [AFCEC-VLC](#) helpdesk for assistance. Additional information will need to be entered into the following areas:

A2.1.2.1. User Administrators:

A2.1.2.1.1. Individual UTM

A2.1.2.1.2. Workcenter Supervisor

A2.1.2.1.3. Immediate Supervisor

A2.1.2.2. User Training Information:

A2.1.2.2..1 Duty Position

A2.1.2.2.2. Date Entered Duty Positions

A2.1.2.2.3. Training Status Code

Attachment 2
3E8X1 Advanced EOD Course Training Standard

A2.2. Specialty Tasks. The following are tasks the workcenter supervisor will use to create the duty task list for each duty position created for their workcenter.

1. Tasks, Knowledge, And Technical References	2. Tasks		3. Certification for OJT					4. Proficiency Codes Used to Indicate Training Provided via CDC, DL or Course			
	Core/Cert	Deployment	A	B	C	D	E	3 Skill Level	5 Skill Level	7 Skill Level	9 Skill Level
			Tng Start Date	Tng Complete Date	Trainee Initials	Trainer Initials	Certifier Initials				
1. CIVIL ENGINEER (CE) COMMON CORE CONCEPTS COURSES TR: CE Virtual Learning Center (CE-VLC) Note: QTP required for UGT											
1.1. Accomplish CE 5-Level Core Concepts Course	5										
1.2. Accomplish CE 7-Level Core Concepts Course	7										
2. EOD FLIGHT MANAGEMENT TR: AFIs 10-201, 10-208, 10-210, 10-401, 10-402, 10-403, 10-404, 16-1404, 21-101, 32-3002-O, 38-101, 48-137, 65-601 Vol 1, 91-101, 91-204, 91-207; AFMAN 10-206, 21-209 Vol 1 & 2, 24-204, 32-3001, 91-201; AFD 32-30, 91-1, 91-2, 91-3; DoDD 5160.62, 5230.11; 3150.8M, 5200.1R, 5200.2R, 5200.8R, 6055.5M; 29 CFR 1910; TOs 00-5-1, 00-5-3, 00-5-18, 00-35D-54, 60A Series and 0-1 Series Indexes											
2.1. History, Duties and Responsibilities of EOD											
2.2. Air Force EOD Program											
2.2.1. Air Staff, Air Force Civil Engineering Center (AFCEC), and MAJCOM,											

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AFIMSC and Detachment EOD Responsibilities											
2.2.2. EOD Mission Areas								B			
2.2.3. EOD Flight Organizational Structure											
2.2.4. Specialized EOD Unit/Command Responsibilities											
2.2.5. Duties of AFSCs 3E831/51/71											
2.3. Prepare Master Training Plan (MTP) / Master Task List (MTL)											
2.4. Manage Technical Order System							A				
3. EOD OPERATIONS TR: AFIs 10-404, 10-801, 10-2501, 32-3002-O, 48-151, 90-802; AFMAN 10-207, 10-2502, 32-3001; DoDD 3025.12, 3150.8, 3025.13, 5210.55, 5100.3, DoD 3025.1M; 49 CFR; TOs 60 Series and 11N Series; USSS DOD EOD and Canine Support Manual; JEOD Portal, EOD AFTTPs											
3.1. Incident Response											
3.1.1. Understand RM Principles during EOD operations	5^	*						B			
3.1.2. Apply Risk Management (RM) Principles to EOD Operations	7^	*						b			
3.1.3. Thermal Injury Prevention Program								B			
3.1.4. Select Incident Categories	7^	*									
3.1.5. Identify USAF EOD Responsibilities in Operations Involving Support to Federal, State, and Local Agencies	7^	*									
3.1.6. Use TOs When Performing Tasks	5^	*						2b			
3.1.7. EOD Mobile Field Kit (MFK)											
3.1.7.1. Use AEODPS								2b			
3.1.7.2. Use TDA								2b			
3.2. Perform Team Leader Operations											

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3.2.1. Unexploded Ordnance (UXO) Recovery Operations Response	7^	*								2b	
3.2.2. Aerospace Platforms Response	7^	*								2b	
3.2.3. IED Response	7^	*								2b	
3.2.4. Chemical/Biological Response	7^	*									
3.2.5. Nuclear Weapon Accident/Incident Response	7^	*									
3.2.6. WMD/CBRN Response	7^	*									
3.3. VIP Support Procedures	5^	*							B		
3.4. Accomplish HAZMAT Awareness Certification	5	*									
3.5. Accomplish HAZMAT Operations Certification	5	*									
4. EOD SECURITY TR: AFMAN 16-1404, AFI 31-101, 10-701											
4.1. Control Procedures for Sensitive Items											
4.1.1. Classified								A			
4.1.2. Munitions								A			
4.1.3. Weapons											
4.2. Identify Vulnerabilities											
4.2.1. OPSEC											
4.2.2. COMSEC											
4.2.3. EMSEC											
5. EOD INFORMATION MANAGEMENT SYSTEM (EODIMS) TR: EOD AFTTP and User's Manual											
5.1. Use EODIMS	5^	*							b		
5.2. Use Range Scheduling Module											
5.3. Use VIPPSA Module											
5.4. Use Training Module											
5.5. Use Report Module											
5.6. Use Bulletin Board Module											
6. APPLIED PRINCIPLES OF											

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PHYSICS AND CHEMISTRY											
6.1. Properties of Matter								B			
6.2. Laws of Motion								B			
6.3. Simple Machines								B			
6.4. Measurement Systems											
6.4.1. English System								B			
6.4.2. Metric System								B			
6.4.3. Convert Between Systems											
6.4.3.1. Mass								2b			
6.4.3.2. Volume								B			
6.4.3.3. Lengths								B			
6.4.3.4. Temperature								B			
6.5. Chemistry											
6.5.1. Elements								B			
6.5.2. Compounds								B			
6.5.3. Bonding								B			
7. TOOLS AND EQUIPMENT TR: 60A-2-1-3; 60A-2-1-3-2; 60A-2-1-42; 60A-2-1-46; 60A-2-1-58; 60A-2-1-74; 60A-2-1-76; 60A-2-1-77; 60A-2-1-90; 60A-2-1-114, Manufacturer's Manuals											
7.1. Mk 2 TR: 60A-2-1-3											
7.1.1. Operational Principles								B	B		
7.1.2. Inspect, Maintain and Use Properly	5^	*						2b	b		
7.2. Percussion Actuated Non-electric (PAN) Disrupter TR: 60A-2-1-77											
7.2.1. Operational Principles								B	B		
7.2.2. Inspect, Maintain and Use Properly	5^	*						2b	b		
7.3. Mk 1 TR: 60A-2-1-46											
7.3.1. Operational Principles								B	B		
7.3.2. Inspect, Maintain and Use Properly	5^	*						2b	b		
7.4. Field Fabricated Dearmer TR: 60A-2-1-3-2											
7.4.1. Operational Principles											

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7.4.2. Inspect, Maintain and Use Properly											
7.5. Hook and Line Kits TR: Manufacturer's Manual											
7.5.1. Operational Principles								A			
7.5.2. Inspect, Maintain and Use Properly	5^	*						1a			
7.6. Robotics Systems											
7.6.1. Small Tactical Robot (MTGR) TR: Manufacturer's Manual											
7.6.1.1. Operational Principles								B	B		
7.6.1.2. Inspect, Maintain and Use Properly	5^	*						2b	b		
7.6.2. Medium Robot (AFMSR) TR: Manufacturer's Manual											
7.6.2.1. Operational Principles									B		
7.6.2.2. Inspect, Maintain and Use Properly	5^	*							b		
7.6.3. Large Robot (F6A) TR: Manufacturer's Manual											
7.6.3.1. Operational Principles									B		
7.6.3.2. Inspect, Maintain and Use Properly	5^	*							b		
7.7. Remote Firing Device (Mini-DRFD) TR: Manufacturer's Manual											
7.7.1. Operational Principles								B	B		
7.7.2. Inspect, Maintain and Use Properly	5^	*						2b	b		
7.8. Sub-Surface Hand Held Detector (CEIA) TR: Manufacturer's Manual											
7.8.1. Operational Principles								B	B		
7.8.2. Inspect, Maintain and Use Properly	5^	*						2b	b		
7.9. Ferrous Ordnance Locator TR: 60A-2-1-58											
7.9.1. Operational Principles								B	B		
7.9.2. Inspect, Maintain and Use Properly	5^	*						2b	b		

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7.10. Ground Penetrating Radar Detector (Minehound) TR: Manufacturer's Manual											
7.10.1. Operational Principles								B			
7.10.2. Inspect, Maintain and Use Properly	5^	*						b			
7.11. Counter Radio Controlled Improvised Explosive Device (RCIED) Electronic Warfare (CREW) Equipment TR: System Publications/TTPs											
7.11.1. PLT-4											
7.11.1.1. Operational Principles							A	B			
7.11.1.2. Inspect, Maintain and Use Properly	5^	*						b			
7.11.2. PLT-5											
7.11.2.1. Operational Principles							A	B			
7.11.2.2. Inspect, Maintain and Use Properly	5^	*						b			
7.11.3. IIB1											
7.11.3.1. Operational Principles							A	B			
7.11.3.2. Inspect, Maintain and Use Properly	5^	*						b			
7.11.4. Universal Test Set											
7.11.4.1. Operational Principles							A	B			
7.11.4.2. Inspect, Maintain and Use Properly	5^	*						b			
7.11.5. Cryptographic Load Device (Simple Key Loader)											
7.11.5.1. Operational Principles							A	B			
7.11.5.2. Inspect, Maintain and Use Properly	5^	*						b			
7.12. Portable Radiograph (SCAN-X and MMX) TR: 60A-2-1-74/2-1-90											
7.12.1. Operational Principles							B	B			

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7.12.2. Inspect, Maintain and Use Properly	5^	*						2b	b		
7.13. RADIACS											
7.13.1. RADIAC (ADM 300 Kit C and E) TR: Manufacturer's Manual											
7.13.1.1. Operational Principles								B	B		
7.13.1.2. Inspect, Maintain and Use Properly	5^	*						2b	b		
7.13.2. RADIAC (AN/PDX-2) Radiac Kit TR: 60A2-1-114											
7.13.2.1. Operational Principles								B	B		
7.13.2.2. Inspect, Maintain and Use Properly	5^	*						2b	b		
7.13.3. RADIAC, Tritium (T605) TR: T.O. 11N-74A-2											
7.13.3.1. Operational Principles											
7.13.3.2. Inspect, Maintain and Use Properly											
7.14. Joint Chemical Agent Detector, Ex. JCAD											
7.14.1. Operational Principles								B	B		
7.14.2. Inspect, Maintain and Use Properly	5^	*						2b	b		
7.15. Explosive/Chemical Identification Kit (FirstDefender/TruDefender)											
7.15.1. Operational Principles								B	B		
7.15.2. Inspect, Maintain and Use Properly	5^	*						2b	b		
7.16. Explosive (IED) Total Containment Vessel TR: Manufacturer's Manual											
7.16.1. Operational Principles											
7.16.2. Inspect, Maintain and Use Properly	5^	*									
7.17. RADBO Vehicle											
7.17.1. Operational Principles											

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7.17.2. Inspect, Maintain and Use Properly (♦)	5^	*									
7.18. Bomb Suit (EOD-10) TR: Manufacturer's Manual											
7.18.1. Operational Principles								B	B		
7.18.2. Inspect, Maintain and Use Properly	5^	*						2b	b		
8. DEMOLITION PROCEDURES TR: 60A-1-1-12/13/14/15, 60A-1-1-9, 60A-1-1-22, 60A1-1-31, 60A-2-1-33; AFMAN 91-201											
8.1. Grounding											
8.1.1. Principles of Grounding								B	b		
8.1.2. Perform Grounding Procedures	5^	*						2b	b		
8.2. Electromagnetic Radiation Precautions											
8.2.1. Principles of EMR								B	b		
8.2.2. Apply EOD Specific EMR precautions	5^	*						2b	b		
8.3. Prepare Firing Systems											
8.3.1. Electric Firing System Principles								B	b		
8.3.2. Demonstrate Electric Demolition Procedures	5^	*						2b	b		
8.3.3. Non-electric Firing System Principles								B	b		
8.3.4. Demonstrate Non-electric Demolition Procedures (Time fuze)	5^	*						2b	b		
8.3.4. Demonstrate Non-electric Demolition Procedures (Shock Tube)	5^	*						2b	b		
8.3.5. Use Det-Cord in Firing System	5^	*						2b	b		
8.4. Disposal Techniques											
8.4.1. Principles of disposal								B	B	B	
8.4.2. Perform Detonation Procedures (TQT)	5^	*						2b			
8.4.3. Perform Thermite Procedures	5^	*						2b			
8.4.4. Describe Burn Procedures	5^	*						2b	b		
8.4.5. Perform Shaped Charge Procedures	5^	*						b	b		

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8.4.6. Describe Static Firing Procedures	5^	*						A	b		
8.4.7. Describe Insensitive Explosives Disposal Procedures	5^	*						A	B		
8.4.8. Demilitarization								A			
8.4.9. Describe Considerations for Large-Scale Munitions Disposal Procedures	5^	*						A			
9. ACCESS AND RECOVERY TR: 60A-1-1-5; 60A-1-1-4; TC 3-97.61; TC 21-24											
9.1. Soil Characteristics								A	B		
9.2. Identify terrain changes due to unexploded ordnance								a	b		
9.3. Locate UXOs											
9.3.1. Surface	5^	*						2b	B		
9.3.2. Sub-surface	5^	*						2b	B		
9.4. Ordnance Access Methods								A			
9.5. Tie Knots, Bends, and Hitches								1a			
9.6. Perform Field Rigging and Improvised Hoisting								1a			
10. EXPLOSIVE ORDNANCE RECONNAISSANCE AND ASSESSMENT TR: 60A-1-1-2/3/4; 60A-1-1-7; 60A-1-1-7-2; 60A-1-1-22, WTI Lexicon, ATP 3-09.30											
10.1. Identify Munitions Hazards											
10.2. Reconnaissance Principles								B			
10.3. Reconnaissance Actions											
10.3.1. Perform Reconnaissance (TQT)	5^	*						2b			
10.3.2. Positively Identify Ordnance (TQT)	5^	*						2b			
10.4. Weapons Technical Intelligence (WTI)											
10.4.1. Perform Data Collection	5^	*						b	B		
10.4.2. Describe Reporting Requirements	5^	*							A		

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10.4.3. Destructive Exploitation	7^	*						A			
10.4.4. Non-Destructive Exploitation	7^	*						A			
10.5. Post Blast Analysis											
10.5.1. Identify Secondary Hazards	5^	*						2b			
10.5.2. Sensitive Site Exploitation (SSE)											
10.5.2.1. Site Preservation	7^	*									
10.5.2.2. Identify Evidence	7^	*									
10.5.2.3. Collect Evidence	7^	*									
10.5.2.4. Determine IED Characteristics	7^	*									
10.6. Ordnance Post Blast Analysis											
10.6.1. Determine Ordnance Characteristics	7^	*									
10.6.2. Determine Fragmentation Characteristics	7^	*									
10.6.3. Determine Delivery Method	7^	*									
11. PROTECTION OF PERSONNEL AND PROPERTY TR: T.O.60A-1-1-4, AFMAN 91-201											
11.1. Determine Hazard Distances	5^	*						2b	B		
11.2. Determine Collateral Damage	5^	*						1a			
11.3. Determine Protective Works	5^	*						A	B		
12. RENDER SAFE TECHNIQUES TR: 60A-2-1 -51; 60A-2-1-60; 60A-2-1-91; 60A-2-1-73, 60A-2-1-73-2; 60A-2-1-81; 60A-2-1-82											
12.1. Immobilize Fuzes	5^	*						2b	B		
12.2. Remove Fuzes	5^	*						2b	B		
12.3. Disable Electrical Components	5^	*						2b	B		
12.4. Disrupt Firing Trains	5^	*						2b	B		
12.5. SMUD Techniques								A			
12.6. Describe RSP Development for First-found Ordnance Items	7^	*									

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12.7. Dynamic Charges	5^	*									
13. RANGES TR: AFI 13-212; AFMAN 91-201, 32-3001; 11A-1-42; 11A-1-60; 11A-1-66; 60A-1-1-22; 40 CFR; 49 CFR; EOD Range AFTTP											
13.1. Develop Plans for Range Clearance Operations	7^	*									
13.2. Perform Active Range Clearance Operations								1a			
13.3. Range Management Principles									B		
13.4. Proficiency, Training, and Demolition Ranges											
13.4.1. Explosive Site Planning	7^	*									
13.4.2. Range Maintenance Standards									B		
13.4.3. Develop Range Operations Plan	7^	*									
14. ENVIRONMENTAL CONSIDERATIONS FOR EOD OPERATIONS TR: AFI 21-201; AFMAN 91-201;AFPD 32-70; 40 CFR Part 260-266, 270; 49 CFR Part 172; 11A-1-60; EO 12856; AFTTP 3-32.5V9 DSCA											
14.1. Identify Environmental Impacts Caused by EOD											
14.2. Military Munitions Response Program (FUDS, BRAC, Clean-up)											
14.3. Military Munitions Rule (Emergency Response and Operational Ranges)	5^	*							B		
14.4. Describe Levels of Emergency Response	5^	*									
14.5. Identify Requirements for EPA Permits	7^	*							B		

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14.6. Identify Transportation Requirements								A			
14.7. Ammunitions Disposition Request (ADR) Operation											
14.7.1. Describe the difference between treatment and disposal											
14.7.2. Describe procedures for using a non-permitted range for disposal											
14.7.3. Plan											
14.7.4. Perform											
15. EXPLOSIVES TR: 60A-series											
15.1. Identification								A			
15.2. Explosive Effects	5^	*						B			
15.3. Apply Safety Precautions								B			
15.4. High Explosives											
15.4.1. Primary	5^	*						B	B		
15.4.2. Secondary	5^	*						B	B		
15.4.3. Main	5^	*						B	B		
15.5. Low Explosives	5^	*						B	B		
15.6. Insensitive High Explosives								B			
15.7. Homemade explosives											
15.7.1. Types								A			
15.7.2. Characteristics								A			
15.7.3. Precursors								A			
15.7.4. Identification techniques and field tests	5^	*									
15.7.5. Improvised Explosive Laboratory Hazards	5^	*									
15.7.6. Desensitization techniques	5^	*									
16. U.S. AND FOREIGN MUNITIONS TR: 60-series/60A-1-1-22											
16.1. U.S. AND FOREIGN DROPPED MUNITIONS TR: 60B-series; 60C-series											
16.1.1. Bombs and Bomb Fuzes TR: 60B-series											
16.1.1.1. Identify	5^	*						2b	B		

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16.1.1.2. Observe Safety Precautions	5^	*						2b	B		
16.1.1.3. Render Safe	5^	*						2b	B		
16.1.1.4. Perform Disposal Procedures								2b			
16.1.2. Dispensers and Payloads TR: 60C- series											
16.1.2.1. Identify	5^	*						2b	B		
16.1.2.2. Observe Safety Precautions	5^	*						2b	B		
16.1.2.3. Render Safe	5^	*						2b	B		
16.1.2.4. Perform Disposal Procedures								2b			
16.1.3. U.S. AND FOREIGN PROJECTED MUNITIONS TR: 60D-series; 60E-series; 60F- series											
16.1.3.1. Projectiles and Projectile Fuzes TR: 60D-series											
16.1.3.1.1. Identify	5^	*						2b	B		
16.1.3.1.2. Observe Safety Precautions	5^	*						2b	B		
16.1.3.1.3. Render Safe	5^	*						2b	B		
16.1.3.1.4. Perform Disposal Procedures								2b			
16.1.3.2. Grenades and Grenade Fuzes TR: 60E-series											
16.1.3.2.1. Identify	5^	*						2b	B		
16.1.3.2.2. Observe Safety Precautions	5^	*						2b	B		
16.1.3.2.3. Render Safe	5^	*						2b	B		
16.1.3.2.4. Perform Disposal Procedures								2b			
16.1.3.3. Rockets and Rocket Fuzes TR: 60F-Series											
16.1.3.3.1. Identify	5^	*						2b	B		
16.1.3.3.2. Observe Safety Precautions	5^	*						2b	B		
16.1.3.3.3. Render Safe	5^	*						2b	B		
16.1.3.3.4. Perform Disposal Procedures								2b			
16.1.4. U.S. AND FOREIGN GUIDED MISSILES TR: 60G-series											
16.1.4.1. Identify	5^	*						2b	B		

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16.1.4.2. Observe Safety Precautions	5^	*						2b	B		
16.1.4.3. Render Safe	5^	*						2b	B		
16.1.4.4. Perform Disposal Procedures								2b			
16.1.5. U.S. AND FOREIGN PLACED MUNITIONS TR: 60H-series, 60A-1-1-22, TM 3-34.85; ATP 3-90.8, ATP 3-34.20											
16.1.5.1. Minefield											
16.1.5.1.1. Concepts								A			
16.1.5.1.2. Minefield Breaching Charges								A			
16.1.5.2. Landmines and Landmine Fuzes											
16.1.5.2.1. Identify	5^	*						2b	B		
16.1.5.2.2. Observe Safety Precautions	5^	*						2b	B		
16.1.5.2.3. Render Safe	5^	*						2b			
16.1.5.2.4. Perform Disposal Procedures								2b			
16.1.5.3. Booby Traps and Booby Trap Fuzes											
16.1.5.3.1. Identify	5^	*						2b	B		
16.1.5.3.2. Observe Safety Precautions	5^	*						2b	B		
16.1.5.3.3. Render Safe	5^	*						2b			
16.1.5.3.4. Perform Disposal Procedures								2b			
16.1.6. U.S. AND FOREIGN PYROTECHNICS TR: 60K-series											
16.1.6.1. Identify	5^	*						2b	B		
16.1.6.2. Observe Safety Precautions	5^	*						2b	B		
16.1.6.3. Render Safe	5^	*						2b	B		
16.1.6.4. Perform Disposal Procedures								2b			
16.1.7. U.S. AND FOREIGN UNDERWATER ORDNANCE TR: 60Q-series; 60R-series; 60S-series											
16.1.7.1. Identify								1a			
16.1.7.2. Observe Safety Precautions								B			

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16.1.7. U.S. AND FOREIGN LOITERING MUNITIONS TR: 60P-series											
16.1.7.1. Identify								1a			
16.1.7.2. Observe Safety Precautions								B			
17. AEROSPACE SYSTEMS TR: 00-105-E9; 60J-series; Aerospace Vehicle EOD AFTTP											
17.1. Egress Systems and System Components											
17.1.1. Principles								A			
17.1.2. Identify	5^	*						2b	B		
17.1.3. Observe Safety Precautions	5^	*						2b	B		
17.1.4. Render Safe	5^	*						2b	B		
17.1.5. Perform Disposal Procedures								2b			
17.2. Gun Systems											
17.2.1. Principles											
17.2.2. Identify	5^	*						2b	B		
17.2.3. Observe Safety Precautions	5^	*						2b	B		
17.2.4. Render Safe	5^	*						2b	B		
17.3. Munition Release and Launching Systems											
17.3.1. Principles								A			
17.3.2. Identify	5^	*						2b	B		
17.3.3. Observe Safety Precautions	5^	*						2b	B		
17.3.4. Render Safe	5^	*						2b	B		
17.4. Flare and Chaff Countermeasure Systems											
17.4.1. Identify	5^	*						2b	B		
17.4.2. Observe Safety Precautions	5^	*						2b	B		
17.4.3. Render Safe	5^	*						2b	B		
17.4.4. Disposal								2b			
17.5. ICBM/Space Launch Systems											
17.5.1. Identify											
17.5.2. Observe Safety Precautions											
17.5.3. RSP											
17.5.4. Disposal											
17.6. ICBM/Space Launch Facility Hazards											

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17.6.1. Identify											
17.6.2. Observe Safety Precautions											
17.6.3. RSP											
17.6.4. Disposal											
18. NUCLEAR WEAPONS AND PROCEDURES TR: AFIs 21-203, 44-102, 44-110, 91 Series; AFMAN 13-501, AFPD 21-2; DoDD 3150.02, 3150.08; DoD 3150.2M, 3150.8M; DoDI 4540.05, 5210.42, 6055.08; DoDM 5210.41 volumes 1-3; TOs 11H Series, 11N Series, 14P Series, 60N Series, and Army FM 3-11.3; T.O. 11N-74A-2; Nuclear Response AFTTP											
18.1. Nuclear Weapon Characteristics											
18.1.1. Nuclear Physics								B			
18.1.2. Identify Hazards	5^	*						2b			
18.1.2.1. Explosives								B			
18.1.2.2. Toxic								B			
18.1.2.3. Radiological								B			
18.1.3. Identify Classified Components								2b			
18.1.4. Fuzing and Firing								B			
18.2 Recovery Operations											
18.2.1. IRF Responsibilities											
18.2.1.1. Identify Associated Weapon Hazards								2b			
18.2.1.2. Identify Safety Precautions/Warnings	5^	*						2b			
18.2.1.3. Determine Appropriate PPE	5^	*						2b			
18.2.2. Locate/Recon											
18.2.2.1. Observe Safety Precautions/Warnings	5^	*						2b			
18.2.2.2. Utilize Appropriate PPE	5^	*						2b			
18.2.2.3. Locate Classified Components								2b			

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18.2.2.4. Verify Weapon Status/Condition	5^	*						2b			
18.2.2.5. Conduct Immediate Actions											
18.2.3. Reporting											
18.2.3.1. Conduct Initial IC Briefings								2b			
18.2.3.2. Conduct IRF/RTF Transition Brief											
18.3. Nuclear Surety Program								B			
18.4. Non-Permissive Weapons Recovery											
18.4.1. Brief Capabilities to IRT											
18.4.2. Identify Breaching Hazards											
18.4.2.1. Manual Breaching											
18.4.2.2. Mechanical Breaching											
18.4.2.3. Thermal Breaching											
18.4.2.4. Ballistic Breaching											
18.4.2.5. Explosive Breaching											
18.4.3. Decide Course of Action											
18.4.4. Execute Course of Action											
18.5. Nuclear Weapon Systems											
18.5.1. Bombs: B61-3, 4, 7, 10, 11, 12; B83-1											
18.5.1.1. Identify											
18.5.1.2. Conduct Render Safe Procedures											
18.5.1.3. Conduct Continuation Procedures											
18.5.2. Missiles: W80, W84											
18.5.2.1. Identify											
18.5.2.2. Conduct Render Safe Procedures											
18.5.2.3. Conduct Continuation Procedures											
18.5.3. Reentry Vehicles W62, W78, W87											
18.5.3.1. Identify											

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18.5.3.2. Conduct Render Safe Procedures											
18.5.3.3. Conduct Continuation Procedures											
19. IMPROVISED EXPLOSIVE DEVICES TR: 60A-1-1-9; 60A-1-1-15; 60A-1-1-31; 60A-2-1-73- 2; 60A-2-1-81; 60A-2-1-82; 60A-2-1-83, 60L-series; NFPA 472; EOD IED AFTTP											
19.1. Types	5^	*						A	B		
19.2. IED Construction											
19.2.1. Switch	5^	*						A	B		
19.2.2. Initiators	5^	*						A	B		
19.2.3. Main Charge	5^	*						A	B		
19.2.4. Power Source	5^	*						A	B		
19.2.5. Container	5^	*						A	B		
19.2.6. Enhancements	5^	*						A	B		
19.3. Identify Hazards	5^	*						A	B		
19.4. Observe safety precautions	5^	*						2b	B		
19.5. Perform IED Threat Assessment	7^	*						2b			
19.6. Locate IED	5^	*						2b			
19.7. Interpret Radio Graphic Images	5^	*						2b			
19.8. Gain access	5^	*						2b	B		
19.9. Perform render safe techniques	5^	*						2b			
19.10. Perform disposal techniques								2b			
19.11. IED Tactical Approach											
19.11.1. Establish Site Security	7^	*						2b			
19.11.2. Perform Safe Area Search Procedures	5^	*						2b	B		
19.11.3. Perform Secondary Search Procedures	5^	*						2b	B		
19.11.4. Identify Ground Sign	5^	*						1b	B		
19.11.5. Isolate Threat	7^	*						2b			
19.11.6. Identify Enemy Targeting Principles	7^	*						1a			
20. WEAPONS OF MASS DESTRUCTION TR: 60A-1-1-9; 60A-1-1-15; 60A-1-1-31; 60A-2-											

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1-73-2; 60A-2-1-81; 60A-2-1-82; 60A-2-1-83, 60L-series; NFPA 472; EOD WMD AFTTP											
20.1. Types											
20.2. Detection Techniques	5^	*						2b	B		
20.3. Perform Passive Diagnostic Techniques	7^	*						2b			
20.4. Perform Triage Procedures	7^	*						1a			
21. CHEMICAL AND BIOLOGICAL WARFARE AGENTS, EQUIPMENT, AND PROCEDURES TR: AFIs 10-2501, 10-2503, 44 Series; TOs 11H Series, 14P4 Series, and 60 Series; TM 3-11.42, AFTTP 3-2.42, 3-2.44; Chemical and Biological AFTTP											
21.1. Chemical and Biological Agents TR: 60A-1-1-11; FM 3-11.3, 3-11.9, 3-11.21, 3-11											
21.1.1. Types								B			
21.1.2. Physical State								A	B		
21.1.3. Physiological Action								A	B		
21.1.4. Persistence								A	B		
21.2. Identify environments for expedient vs recovery operations (TQT)	7^	*									
21.3. Determine PPE Requirements (TQT)	7^	*						2b			
21.4. Determine Evacuation Distances (TQT)	7^	*						2b			
21.5. Conduct Contamination Control Procedures (TQT)	5^	*						2b			
21.6. Apply Decon (TQT)	5^	*						2b			
21.7. Perform Leak Seal procedures (TQT)	5^	*						2b			
21.8. Perform Packaging Procedures (TQT)	5^	*						2b			
21.9. Perform Marking Procedures (TQT)	5^	*						2b			

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21.10. Determine Disposition (TQT)	7^	*						2b			
22. AIRBASE RECOVERY TR: AFI 10-210; AFH 10-222, vol 1; AFTTP 3-4, 3-32.11, 10-219 vol 4; 60A-2-1-39, EOD RADBO AFTTP											
22.1. Ordnance Order of Battle Concept											
22.2. Pre-attack											
22.2.1. Resource Dispersal Principles											
22.2.2. Coordinate Recon/ADAT Routes	5^	*									
22.2.3. Identify UXO Holding Areas	7^	*									
22.2.4. Bomb Removal Team											
22.2.5. Comm-out Procedures											
22.2.6. Brevity Codes											
22.3. Post-attack											
22.3.1. Conduct ADAT	5^	*									
22.3.2. Assist with MAOS Selection	7^	*									
22.3.3. Rapid Explosive Hazard Mitigation (REHM)											
23. AIRCRAFT (HELICOPTER) OPERATIONS TR: Local Helicopter Support											
23.1. General Safety Rules											
23.2. Perform Aircraft Emergency and Egress Procedures on Mission Aircraft											
23.3. Cargo Loading/Unloading and Utilization of Cargo Restraint Devices											
23.4. Operate Aircraft Intercom System											