

Training and Operations

**Camp Edwards Operations and Training Regulation**

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**History. Updated from 1 February 2012.**

**Summary.** This regulation establishes policies, procedures, and guidelines governing the use and operation of Camp Edwards ranges, facilities, and training areas. This regulation encompasses Camp Edwards Range Operations Standard Operating Procedures.

**Applicability.** All units, military and civilian, that train at Camp Edwards.

**Proponent and exception to policy.** Chief, Plans and Training Directorate, Army

National Guard Training Site, Camp Edwards, MA.

**Suggested Improvements.** If the reader has any suggested improvements, send a DA Form 2028 (Recommended Changes to Publications and Blank Forms) to Plans and Training, Building 102 26<sup>th</sup> Yankee Division Blvd, Camp Edwards MA 02542.

**Distribution.** All units of the Massachusetts National Guard.

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## **Chapter 1 Introduction**

### **1-1. Purpose**

The following regulations are publicized pursuant to Massachusetts Statutes for the enforcement of rules, operations, care, and preservation of existing facilities and resources within Camp Edwards. All persons entering or present within Joint Base Cape Cod are subject to these Regulations. Violations of these regulations by persons subject to the Massachusetts Code of Military Justice will be prosecuted thereunder. Any other persons who violate these regulations may be prosecuted by administrative action by the Installation Commander or other appropriate military or civilian authority.

### **1-2. References**

Required and related publications and prescribed and referenced forms are listed in Appendix A.

### **1-3. Explanation of Abbreviations and Terms**

Abbreviations and specialized terms used in this regulation are explained in the glossary.

### **1-4. Responsibilities**

a. The Post Commander has responsibility for the overall operation of Camp Edwards to include the immediate supervision, control, coordination, and safety of all Camp Edwards facilities. Overall safety and conduct of firing on ranges will also be the responsibility of the Post Commander.

b. The Director of Plans and Training is the primary advisor to the Post Commander on all matters concerning the safe, efficient utilization of Camp Edwards' training facilities. Specific responsibilities include overall responsibility for Range Control operations to include the following:

- (1) Scheduling of units.
- (2) Utilization of training facilities.
- (3) Maintenance of training facilities.
- (4) Range development.
- (5) Review and consultation with the EMC for any exception to policy training.

c. Range Control Officer is the primary representative of the Post Commander for Range Operations. Specific responsibilities include:

- (1) Withdraws or suspends installation training complex privileges from any person, organization, agency, or club that willfully violates any aspect of this regulation.
- (2) Establishes, maintains, and documents safety certification procedures for unit range OICs and RSOs. Exercises oversight of range OIC and RSO training programs, and serves as the authority to suspend or terminate OIC/RSO certificates.
- (3) Responsible for providing safe training environments by ensuring all aerial and surface danger zones are identified, and all control measures are employed.
- (4) Coordinates and monitors units on the ranges and or training areas to ensure compliance with this regulation.
- (5) Resolution of conflicts in coordination with the Director of Plans and Training and the G3.
- (6) Publication of the Weekly Range Bulletin.
- (7) Maintenance of safety data, to include files and overlays.
- (8) Responsible for the implementation approved exception to policy training events. Maintains approved requests in the form of Project Notes and ensures that training units execute training per the restrictions implemented in the approval.

d. Battalion/Squadron Commanders

(1) Comply with the installation procedures for the certification of unit OICs, RSOs, Laser Range Safety Officers (LRSOs), execution of approved exception to policy requests, and appoint in writing to Range Control.

(2) Conduct risk management for all range/maneuver operations.

d. Unit Commanders have the responsibility to ensure that personnel training at Camp Edwards are aware of and comply with the provisions of this regulation, the Environmental Performance Standards (Appendix O), DA PAM 385-63, and any applicable TMs, FMs, TCs, Operations Maintenance and Monitoring Plans (OMMPs) and installation SOPs for safe training and range firing operations. In addition, Unit Commanders will:

(1) Designates an OIC and RSO for each firing and or maneuver exercise in accordance with DA PAM 385-63 and chapter 9 of this regulation.

(2) Inform Camp Edwards Range Control when the use of scheduled training facilities is canceled, or when a delay of more than two hours in opening time will occur.

(3) Direct a unit representative to report to Range Control on the day of the units' arrival to sign for ranges, training areas and/or facilities, and to receive any special instructions, police assignments, etc. Organizational Commanders will send the S3, or S3 representative with decision-making authority for all subordinate units.

(4) Provide the necessary personnel to operate ranges IAW Chapter 9 of this regulation, DA PAM 385-63, Environmental Performance Standards, and all other applicable manuals.

(5) Provide support personnel to Camp Edwards Range Control when requested.

(6) Commanders of units conducting annual training at Camp Edwards will appoint a liaison officer who will visit Range Control daily at 0900 hours to effect coordination and receive any pertinent information.

(7) Execute training per approved exception to policy requests as applicable.

e. Officer (OIC) or NCO-In-Charge (NCOIC) is the designated officer or NCO responsible for all activities and safety associated with a particular range, training area, and/or facility. They are responsible for the development and supervision of procedures that ensure rigid compliance with this regulation and any installation SOPs. Additional responsibilities of the OIC are addressed in the range packets for each range, training area packets for each training area, and in the applicable portions of the Range Regulation. In addition:

(1) The OIC will act as the primary point of contact with Range Control and is responsible for range opening, operation, and closing.

(2) More than one OIC may be available for a range; however, one certified individual must be assigned to perform this duty at all times. No additional duties may be assigned.

(3) The OIC must be certified by the appropriate commander (O-5 or O-4(P) in O-5 slot) or the organization training officer or senior individual (civilian activities) and must receive a safety briefing at Range Control prior to running the range. The safety briefing will include range opening, operation, and closing procedures. A range official will certify the OIC.

(4) The certification must designate which weapons the OIC is qualified to instruct.

(5) Ensures the overall safe conduct of training and proper use of Camp Edwards training complex.

(6) Ensures the RSO is physically present at the training site.

(7) Determines when it is safe to fire in accordance with regulation and applicable range packets.

(8) Ensures hourly communication is maintained.

(9) Ensures ammunition and explosives are properly handled, transported, stored, and accounted for within the training complex from the time of receipt to the time of expenditure or turn in.

(10) Ensures that adequate medical support is available and that they are properly equipped.

(11) Ensures all ammunition malfunctions and accidents are reported to Range Control IAW this regulation, AR 75-1 and AR 385-40.

(12) Implements risk management in all phases of the training event.

(13) Reviews and implements any special instructions for exception to policy training.

f. Range Safety Officer is the designated officer or NCO who is the direct representative of the OIC and responsible to him/her for ensuring compliance with the safety provisions of this regulation as well as those contained in the appropriate weapons manuals.

(1) This individual is responsible for the safe operation of the range. The RSO ensures that all rounds are fired safely, only authorized weapons and ammunition are used, and the range operation does not endanger firers or other personnel.

(2) The RSO must be present at all times on the range and will have no additional duties.

(3) The RSO must be certified by the appropriate commander or supervisor and must receive a safety briefing from Range Control prior to the use of the range. The safety briefing will include range opening, operation, and closing procedures.

(4) Ensures that the range SDZ is clear of all personnel.

(5) Ensure that Range Control has approved an "open" status for the range and must remain on the range at all times while the range is in an "occupied" status.

(6) Orders an immediate cease-fire when any unsafe condition occurs.

(7) Reports all accidents, weapon malfunctions, and ammunition malfunction to Range Control.

(8) Verifies, upon completion of firing or firing order, to the OIC that all weapons and weapon systems are clear and safe before allowing the removal of weapons from the firing area.

h. Unit Environmental Compliance Officer (UECO) has the responsibility to ensure that personnel training at Camp Edwards are aware of, and comply with, the environmental regulations on Camp Edwards. In addition, UECO will:

(1) To comply with environmental laws and regulations, as well as ensure that environmental problems or liabilities do not interfere with the mission. It is necessary to have a point of contact within the unit or organization to provide the necessary guidance and oversight. Army Regulation 200-1 requires all Army Units and activities to appoint Unit Environmental Compliance Officers at the organizational, company, or shop level. This policy is necessary to ensure compliance with the many federal and state environmental regulations. The Adjutant General of Massachusetts Environmental Policy formally establishes the environmental Goals and Objectives for our organization and all units that train at our Facilities.

(2) A UECO is a person within a unit or organization appointed to ensure that environmental compliance requirements are met, as well as ensure that there are no other environmental issues that may prevent future mission success. The UECO also coordinates with the Environmental Office, Camp Edwards Headquarters, Range Control and Directorate of Facilities Engineering, and any other training area applicable directorates to clarify requirements and ask for assistance.

(3) The MAARNG provides computer-based training for both Hazardous Waste and an Introduction to Environmental Management System. Training for both is located on the Camp Edwards Digital Trainers Guide.

## **Chapter 2**

### **Scheduling Use of Camp Edwards Training Facilities**

#### **2-1. Military Units**

a. Military units, of any service, will request the use of Camp Edwards training facilities using the Range Facility Management Support System (RFMSS) <https://rfmssbackup.belvoir.army.mil/edwards/pages/login.aspx>. New users can request a new user account by selecting the link on the login page if the unit regularly trains at Camp Edwards. Units that are not in the Camp Edwards database must contact the RFMSS Functional Administrator at 339-202-9332 to request a new unit account. This scheduling requirement pertains to all training on Camp Edwards, regardless of the location or facility. Training facility requests for Camp Edwards must be submitted at least 45 days in advance of the scheduled training.

b. Camp Edwards Digital Trainers Guide (DTG): The DTG is a comprehensive and detailed tool that military units/personnel can use to plan, schedule, and conduct training on Camp Edwards. The DTG describes in detail all training facilities, training aids, training areas, and ranges that are available on Camp Edwards. Units can also utilize the DTG to see what type of training can be conducted on Camp Edwards to plan their unit training. The DTG also describes in detail what is necessary to schedule training and accommodations on Camp Edwards. Other resources available on the DTG are:

- (1) Environmental standards and regulations.
- (2) Safety
- (3) Geographic Information System (GIS) and maps

#### **2-2. Other Organizations**

Government and non-profit civilian agencies will request the use of Camp Edwards' facilities IAW instructions in the Civilian Use Manual. The point of contact for questions is the Plans and Training Division Training NCO at 339-202-9309. Requests should be submitted at least 120 days in advance with the understanding that military units have priority for the use of all Camp Edwards facilities.

#### **2-3. United States Coast Guard Owned Facilities**

The United States Coast Guard Air Station Cape Cod owns the indoor firing range and the Roxy movie theater. The USCG indoor range supports the following calibers: 7.62 mm, 5.56 mm, .45 cal, 9 mm, and shotgun. Scheduling is done via coordination with USCG personnel at 508-968-6750. The Roxy movie theater can be used for classroom training of 200 personnel. Call 508-968-6585 for scheduling of the movie theater.

#### **2-4. VIP Site Visits**

VIP (0-6 level and above) site visits to Camp Edwards will be coordinated through Plans and Training Office at 339-202-9303.

#### **2-5. Public Affairs**

All scheduled media activities will be coordinated with the State Public Affairs Office at (339-202-3952). This requirement pertains to military, government, and civilian activities on the installation. The State Public Affairs Office will provide necessary coordination with Camp Edwards, the Adjutant General's Office, or other post commands. Media inquiries related to incidents on the installation will be referred to the State Public Affairs Officer at 339-202-3950. If an emergency related incident occurs on the installation during non-duty hours, the State Public Affairs Officer can be reached at 339-202-3950. All civilian media personnel will be escorted while on Camp Edwards by Training Site staff, unit, and/or activity personnel. Media coverage on Camp Edwards may be restricted by the Post Commander or the State Public Affairs Officer as deemed necessary in the interest of national security, incident investigation, or for the privacy of personnel involved.

#### **2-6. Tours**

Camp Edwards is not open to the public, however periodically, an "Open House" event will be scheduled through the Community Outreach Manager in coordination with the other post commands. Tours of Camp Edwards will be granted on a case by case basis, approved by the Post Commander.

#### **2-7. Recruiting and Retention Activities**

Units planning to conduct recruiting and/or retention activities on Camp Edwards (i.e., "family day" or "touch a truck" events) that involve a civilian person(s) entering Camp Edwards will coordinate such activities with the Plans and Training Office. All events will be requested in writing at a minimum of 15 days in advance. Required approvals about liability will be in accordance with the Civilian Use Manual. Equipment utilization is the responsibility of the requesting unit and will be conducted within established procedures.

#### **2-8. Other Special Events**

Other special events requiring special coordination may also be scheduled on Camp Edwards. Any group event that will result in non-military personnel entering Camp Edwards will require coordination and approval. All special events will be coordinated with the Plans and Training Office at 339-202-9303.

### **Chapter 3**

#### **Range, Training Area and Facility Coordination**

##### **3-1. General**

Camp Edwards' training area consists of over 14,000 acres of training and maneuver space. All training areas, facilities, and ranges are scheduled through the Range Facility Management Support System (RFMSS). A description of each range and training facility can be found in Chapters 4 and 5 in this regulation and the Camp Edwards Digital Trainers Guide (DTG). A detailed description of the training areas and LZs can be found in appendices D through F, and/or in the Camp Edwards DTG.

##### **3-2. Range Control**

a. Range Control is operated from building 4020 on Frank Perkins Road, Camp Edwards, and MA 02542. Telephone numbers: 339-202-9313.

b. Range Control is staffed from 0700 to 1700 hours daily and anytime live fire ranges or UAS operations are active. All units must stop at Range Control for check-in; all nongovernmental vehicles must be signed in and issued a vehicle pass.

##### **3-3. Camp Edwards Geographic Information System**

a. Geographic Information System (GIS) Office creates, maintains, and distributes spatial data and



associated products to aid in soldier training and sound environmental stewardship.

b. For large map orders (over 50) or custom maps and projects, contact the GIS Office 339-202-9347 or 339-202-9368. Please note that custom requests need to be placed at least 45 days in advance.

c. Standard and custom maps can be picked up at the GIS office located on Beamon Street, Bldg. 3468. These maps can be printed before unit arrival on Camp Edwards.

d. Camp Edwards Headquarters and Range Control distribute several standard map products that the GIS office produces, such as the Cantonment Area and Training Site Maps.

### **3-4. Scheduling**

a. Requests for ranges, training areas, facilities, and airspace.

(1) All units, regardless of branch of service, will submit requests for ranges and or training areas directly to Range Control's Fire Desk through RFMSS at <https://rfmss.belvoir.army.mil>. The request must include the anticipated number of soldiers or other users occupying and using the range, types of weapons to be used, types of ammunition to be used (by DoD Identification Code [DODIC]), estimated amounts of ammunition to be expended, and length of training.

(2) All RFMSS requests must be submitted NLT 45 days before the scheduled training event. Any request inside of the 45-day window needs the Range Control Officers' approval.

(3) The submission of requests does not constitute approval. Approval authority for all requests for ranges, training areas, facilities in the Range Complex, and airspace resides solely with Range Control. Approval should be verified using the RFMSS scheduling system, email, or phone. Units are required to verify their scheduled training NLT 45 days in advance.

(4) Requests for non-standard training, i.e., engineer projects, SVL container movement, must be submitted through the Facility Engineering, Building 2808, and Range Control Officer NLT 120 days before conducting activities.

b. Notify Range Control of any cancellations immediately by phone and with a follow-up written cancellation notification within 24 hours. Failure to cancel could result in a suspension of training privileges.

c. Unit reconnaissance of scheduled area may be conducted at any time after coordination with Range Control. Units are encouraged to do so. All personnel on this reconnaissance must report to Range Control before entering the Range Complex.

d. Units that fail to sign for their requested area within two hours of the scheduled time or fail to notify Range Control that they will be late will be canceled and reported as a "no-show."

e. Depending on training requirements, multiple units are authorized to conduct training within the same training area. If a unit requests to use a facility or other portion of the training area within a training area that is already occupied by another unit, the unit is responsible for obtaining a co-use agreement from the unit owning the training area. Point of contact (POC) for scheduled units may be obtained from Range Control. Each unit will provide the POC telephone numbers and addresses for such coordination.

### **3-5. Training Support Center; Training Aids, Devices, Simulators and Simulations**

a. The Training Support Center (TSC) is responsible for maintaining, operating, and issuing all Training Aids, Devices, Simulators, and Simulations (TADSS) and simulation training facilities on Camp Edwards. In addition to TADSS, TSC coordinates on-site classrooms, a weapons vault, and several training facilities in the lower cantonment training areas. A detailed list of all TADSS and Simulation systems available can be found in Appendix H or on the Camp Edwards DTG.

b. The Training Support Center is located on Weaver Road, building 3495, or can be reached at 339-202-9311 or 339-202-9320. All units, regardless of branch of service, will submit requests for ranges/training facilities/areas directly to the TSC fire desk through RFMSS at <https://rfmss.belvoir.army.mil>.

c. All facility requests must be submitted NLT 45 days before the scheduled training event. Any request inside of the 45-day window needs the TSC NCOIC's approval. All TADSS & equipment must be requested NLT 45 days before the training event.

d. Units must conduct prior coordination for training with TSC for all TADSS. A memorandum or request, DA 1687 and assumption of Command, and certification in TS MATS are needed for the majority of all training aids.

### **3-6. Scheduling of Special Use Airspace (R-4101)**

Special Use Airspace for UAS and/or UAV is requested through RFMSS. Once approved, coordinate with the Range Control Officer for additional information requirements. Full-time Range Control personnel will make all necessary coordination with the FAA.

### **3-7. Communication**

a. The Range Safety NET operates on frequency 38.500 with an alternate frequency of 36.900 on SINCGARS radio and is a direct net. All transmissions are made in clear text, and all traffic must originate from or be directed to Range Control. The Range Safety NET is used only for traffic pertaining to range operations. Unit call signs are the training areas or Range area designations that they occupy (i.e., Juliet Range or Charlie 15). All intermittent messages will be directed to use frequencies assigned by appropriate SOI and CESI.

b. Units also can draw handheld radios from Range Control. Handheld radios operate on Channel 3 or Channel "Range SF."

c. Units must maintain hourly communication with Range Control when conducting range firing or training in the Range Complex.

### **3-8. Facilities Engineering**

a. The Directorate of Facilities Engineering (DFE) provides engineering support for Camp Edwards facilities. Located on Richardson Road, Building 2808, DFE ensures that training facilities are capable of supporting unit training, and coordinates troop labor projects.

b. The DFE hours are Monday through Friday, 0700 to 1500. If additional training support is required outside these hours, please coordinate through the Resource Management desk at 339-202-9305. For a facility emergency during normal work hours, contact Production Control at 339-202-9344. For a facility emergency after normal work hours, contact Production Control at 339-202-9344.

c. The DFE Annual requirements are the fuel point storage permits, oil-water separator maintenance, fire suppression testing (dining facilities and fuel point), grease trap maintenance (dining facilities), pest control (dining facilities), AASF elevator safety inspection (Building 2816) and the rappel towers and obstacle course certification.

### **3-9. Training Facility/Area Occupation and Clearance**

a. Units will report to Range Control on the day of their scheduled training event before occupying any training areas or ranges

b. Upon check-in, units will receive a training facility utilization report, range area acceptance/clearance checklist, and a range control issue form if drawing range control equipment. Further instructions on how to fill out the forms will be given upon check-in.

c. It is the unit's responsibility to accept the condition of their training area and ranges before use. Any deficiencies will be noted, and reported to Range Control immediately. Failure to report deficiencies, will require the unit to correct them prior to clearance being granted. All ranges will be inspected by Range Control personnel with a unit observer for pre and post-firing requirements.

d. Upon completion of training, the unit must clear assigned training areas. Units will coordinate with Range Control for a clearing time and location to meet with a clearing party. Allow at least two hours before departure time. The training area is not considered cleared until Range Control signs the acceptance/clearance checklist.

e. Permanent barricades will not be constructed. All temporary barricades, wire, or other obstructions will be removed when training is completed and before the area will be cleared. The common use of roads or trails will not be blocked.

f. Units will be issued a range box upon check-in for live fire ranges. The items in the range box are, Paddles, Staplers, Bull Horn, Safety Vests, and Range Flag. Units will also be issued one white 5-gallon bucket and a trash bag for used weapons cleaning material. Any materials used for weapons cleaning on the range will be placed in this bucket and inspected by Range Control during the clearance of range. Units will turn this bucket into Range Control prior to leaving the Range Complex, do not throw in the trash.

g. Damage, loss, or theft of range equipment or facilities is the responsibility of the unit occupying the range or range facility. Arrangements for appropriate restitution must be made with the Directorate of Logistics (DOL) before the occupying unit will be cleared from the range by Range Control. Units are

responsible for the area until all equipment is turned-in, and a range inspector has inspected and cleared the area/range/facility.

## **Chapter 4 Training Facilities**

### **4-1. Tactical Training Base Kelley**

Designed as a Forward Operating Base (FOB), Tactical Training Base (TTB) Kelley is designed to hold up to a Battalion sized element in support of pre-mobilization training. The TTB facility is surrounded by HESCO barriers filled with dirt, barbed wire, entry control points, and guard towers. Designed to simulate military life in Iraq, Afghanistan or the Balkans, the city is largely made up of staged military camps (tents), modular units, and open field space. TTB Kelley features a combative pit, motor pool area, external landing zone, and large scale sand table, which enable units to prepare and conduct Army Warrior Task and Battle Drills training on-site. TTB Kelley has the ability to sleep 650 soldiers in tents with the capability to expand and hold up to two Battalions. Additional modular units include shower and sink facilities, a computer lab, administration/TOC tents, and a "mayor's office" from which the commanding officer manages the FOB. The TTB includes a field kitchen and sanitation center cement pad, with electrical and water hookups. It is adjacent to a 30 foot exterior walk out cooler (41 degrees), and a seating capacity ### Dining Tent. There is in-ground grey water disposal located at the cement pad. This Field Feeding area is a separate reservation site in RFMSS.

- a. The Entrance Control Point (ECP) is located on Frank Perkins Road; there is also a secondary/contractor entrance on Connery Ave.
- b. Units must schedule NLT 45 days prior to use by using the Range Control fire desk on RFMSS.
- c. Additional requirements for TTB usage;
  - (1) RFMSS requests must be approved before arrival. Note on request if unit request to sleep in TTB or if conducting operations only.
  - (2) Copy of signed risk assessment must be given to Range Control.
  - (3) Prior coordination must be made with the TTB Mayor; contact Range Control at 339-202-9313 for more information.
  - (4) One OIC or NCOIC will act as POC with the TTB Mayor during the entire training period.
  - (5) Unit training schedule and sleep plan will be turned in to the TTB Mayor prior to or immediately following occupation.
  - (6) Any emergencies contact TTB Mayor and JBCC Fire Department or 911. Refer to chapter 10 of this regulation for further emergency and reporting requirements.

### **4-2. Calero Military Operations in Urbanized Terrain (MOUT) Site**

The Calero MOUT site on Camp Edwards is designed to represent a Middle Eastern village. This site features 29 single and multi-floor structures that simulate a Mosque, school, market place, residential buildings, and six breaching doors. Soldiers learn how to clear rooms and buildings in built-up areas, conduct house-to-house searches on foot in hostile urban areas, and distinguish between the characteristics of an innocent civilian and an embattled foe or insurgent aiming to do harm. Soldiers engage in realistic scenarios that require them to travel in convoys and encounter role players posing as civilians on the battlefield or opposing forces. The MOUT is available for training of units from Platoon through Company level and provides for UTM, M116A1 grenade simulators, and blank firing exercises to be conducted. Army Warrior Task and Battle Drill training can also be completed using the MOUT Site. In addition, the facility is used to conduct Law Enforcement, Civil Disturbances, Emergency Responses, and other related training.

- a. The main entrance is off of East Hospital Road, which includes a parking lot and sand table, there is also a secondary entrance on Connery Ave. There is no parking authorized on Connery Ave per Camp Edwards Post Commander.
- b. The MOUT site's normal operating hours are from 0700 to 1630 daily. Units must schedule NLT 45 days prior to use by using the Range Control Fire desk on RFMSS. Requests for training outside the normal hours of operation must be coordinated in advance through Range Control. Range Control can be reached at 339-202-9313.
- c. Additional requirements for MOUT site usage;

- (1) RFMSS requests must be approved before arrival.
- (2) Copy of signed risk assessment must be given to Range Control.
- (3) A medic or CLS qualified personnel must be on-site during training operations, as well as an evacuation vehicle.
- (4) Blanks, UTM, and SIMS, are the only authorized ammunition approved for this site.
- (5) If UTM or SIMS is being fired, then a DA 581, DA 1687, assumption of command orders and a UTM or SIMS certified certificate must be turned into Range Control prior to training. Refer to chapter 9 of this regulation for further safety requirements.
- (6) UTM or SIMS certified personnel must be on-site at all times during training.
- (7) When UTM or SIMS is in use, there must be either personnel posted at gates or saw horses put out to ensure no personnel enter area without proper Personnel Protection Equipment (PPE).
- (8) For emergencies, contact Range Control and the JBCC fire department or 911. Refer to chapter 10 of this regulation for further emergency and reporting requirements.

#### **4-3. HMMWV Egress Assistance Trainers (HEAT)**

The HMMWV Egress Assistance Trainer devices simulate a rolled-over HMMWV and are capable of rotating and stopping in various positions, allowing the Soldiers to practice a variety of egress techniques (Battle Drills) at different angles. Soldiers will get an understanding of how it feels when a vehicle is on the verge of rolling over and allow them to react quicker in a rollover situation. These trainers are a valuable training asset and assist during the mobilization process.

- a. Located at TSC, building 3495 on Weaver Road.
- b. Units must schedule NLT 45 days prior to use by using the TSC fire desk on RFMSS.
- c. Additional requirements for HEAT usage;
  - (1) RFMSS requests must be approved before arrival.
  - (2) A copy of the signed risk assessment must be given to TSC. 90-degree egress from the gunners' hatch requires O5 or above approval.
  - (3) Two certified Instructors per trainer with current certification in TS MATS, ACH or Kevlar, IBA, and eye protection.
  - (5) Each trainee must complete the HEAT training participant screening sheet.
  - (6) A medic or CLS qualified personnel must be on-site during training operations, as well as an evacuation vehicle.
  - (7) For emergencies, contact TSC and the JBCC fire department or 911. Refer to chapter 10 of this regulation for further emergency and reporting requirements.

#### **4-4. Mine Resistant Ambush Protected (MRAP) Vehicle Simulator**

The MRAP is a full-motion simulator that trains Soldiers on inherently dangerous tasks in a safe, controlled environment and measures their performance against established standards. It is capable of rotating and stopping in various positions.

- a. Located at TSC, building 3495 on Weaver Road.
- b. Units must schedule NLT 45 days prior to use by using the TSC fire desk on RFMSS.
- c. Additional requirements for MRAP usage;
  - (1) RFMSS requests must be approved before arrival.
  - (2) A copy of the signed risk assessment must be given to TSC. 90-degree egress from the gunners' hatch requires O5 or above approval.
  - (3) Two certified Instructors per trainer with current certification in TS MATS, ACH or Kevlar, IBA, and eye protection.
  - (5) Each trainee must complete the MRAP training participant screening sheet.
  - (6) A medic or CLS qualified personnel must be on-site during training operations, as well as an evacuation vehicle.
  - (7) For emergencies, contact TSC and the JBCC fire department or 911. Refer to chapter 10 of this regulation for further emergency and reporting requirements.

#### **4-5. Engagement Skills Trainer II**

The Engagement Skills Trainer II (EST II) is a modern interactive video/graphics simulator that uses widescreen image projection. It is designed to train Soldiers in basic marksmanship and compliments live-fire sustainment and proficiency in preparation for weapons qualification. The EST II supports squad-

level scenarios, infantry offensive/defensive/desert/MOUT and ambush operations, scout, military police shoot/no-shoot scenarios, anti-armor operations, and competitive match shooting. Additionally, it is a Strategic Army Corps Standards in Training Commission (STRAC) approved method for Night Fire and NBC qualifications (refer to DA Pam 350-38). The EST A is primarily used for small arms fire with M9 pistols, while the EST B is used for both small and heavy weapons and EST C for M4/M16 rifles. Weapons available for use with the EST B are M9 Beretta, M16A2/A4, M4, M1200 Shotgun, AT4, M240, M249, M320, MK19, and M2 .50 CAL.

- a. Located at TSC, building 3495 on Weaver Road.
- b. Units must schedule NLT 45 days prior to use by using the TSC fire desk on RFMSS.
- c. Additional requirements for EST II usage;
  - (1) RFMSS requests must be approved before arrival.
  - (2) Annotate the type of training and weapons being requested in the communications tab of RFMSS requests. Certification in TS MATS required.
  - (3) All youth groups are required to have a weapons safety class prior to using a weapons simulator. Contact TSC for more information regarding the weapon safety class.

#### **4-6. Call for Fire Trainer**

The Call for Fire Trainer (CFFT) is an interactive system designed to train Forward Observers (FO) and simulate modern battlefield conditions. The system enables Soldiers to practice Call for Fire skills and validate the task for mobilization requirements. The interactive system also supports Close Air Support (CAS) operations for training units. The 30 person classroom can double as a command center for training operations and is equipped with an overhead projector, computer hook-up, and other audio-visual equipment.

- a. Located at TSC, building 3495 on Weaver Road.
- b. Units must schedule NLT 45 days prior to use by using the TSC fire desk on RFMSS.
- c. Additional requirements for CFFT usage;
  - (1) RFMSS requests must be approved before arrival.
  - (2) Qualified FO instructor (for CFFT training only) must coordinate with TSC prior to training with tasks to be conducted.

#### **4-7. Virtual Convoy Operations Trainer**

The Virtual Convoy Operations Trainer (VCOT) provides training for combat convoys under realistic conditions through the streets of Baghdad and other areas. In addition, it ensures that Soldiers are trained to anticipate ambushes and other insurgent actions from all possible directions by allowing the crew to observe, maneuver, and fire their weapons through a 360-degree circumference. Crew members are not limited by fixed screen projections; they have a complete and continuous view of the entire virtual world around them as they would under real combat conditions by use of the virtual reality headsets provided. Soldiers can be tested against various situations, such as snipers, rocket-propelled grenades (RPG), Improvised Explosive Devices (IED), Vehicle Borne Improvised Explosive Devices (VBIED), machine gunners, riflemen, technical trucks, mortars, suicide bombers, civilian activity, and pedestrian traffic. An additional advantage to the VCOT is the Soldier's ability to record and playback all aspects of the exercise for further review.

- a. Located at TSC, building 3495 on Weaver Road.
- b. Units must schedule NLT 45 days prior to use by using the TSC fire desk on RFMSS.
- c. Additional requirements for VCOT usage;
  - (1) RFMSS requests must be approved before arrival.
  - (2) The minimum of two Soldiers must complete the initial Observer Controller (OC) training NLT 30 days prior to the training event.
  - (3) One OC must be present at all times during training to run the TOC.
  - (4) An Operation Order must be completed by the unit, and a copy must be given to TSC prior to the training event.

#### **4-8. Leadership Reaction Course**

The Leadership Reaction Course is comprised of 17 stations, with seven over land and ten over water, and is used for squad-level practical exercise. The facility is used to evaluate leadership potential and the Soldier's ability to complete the course. The course develops self-confidence, builds leadership skills,

encourages teamwork, and develops technical and tactical proficiency.

- a. Located on Connery Ave West.
  - b. Units must schedule NLT 45 days prior to use by using the Range Control fire desk on RFMSS.
  - c. During winter months, the bathroom and water obstacles are closed. Units are required to schedule their own port-a-johns during that time.
  - d. Additional requirements for LRC usage;
    - (1) RFMSS requests must be approved before arrival.
    - (2) Copy of signed risk assessment must be given to Range Control.
- (1) A medic or CLS qualified personnel must be on-site during training, as well as an evacuation vehicle.
- (2) Helmets and gloves must be worn at all times during exercises.
  - (3) For emergencies, contact Range Control and the JBCC fire department or 911. Refer to chapter 10 in this regulation for further emergency and reporting requirements.

#### **4-9. Obstacle Course**

The Obstacle Course (OC) helps develop and test basic motor skills that are valuable for physical training and team interaction. It gives Soldiers confidence in their mental and physical abilities. There are two types of obstacle courses; conditioning and confidence. Conditioning courses have low obstacles and must be negotiated quickly, while a confidence course has higher, more challenging obstacles. Camp Edwards OC was built IAW TC 3-22.20, with six conditioning obstacles and three confidence obstacles. It is also a DA Certified Course used by the Mobile Training Team (MTT) for Air Assault School.

- a. Located on Turpentine Road, south of Connery Ave, and adjacent to Rappel Towers.
- b. Units must schedule NLT 45 days prior to use by using the Range Control fire desk on RFMSS.
- c. Units are required to schedule port-a-johns for all training on the OC.
- d. Additional requirements for OC usage;
  - (1) RFMSS requests must be approved before arrival.
  - (2) Copy of signed risk assessment must be given to Range Control.
  - (3) A medic or CLS qualified personnel must be on-site during training, as well as an evacuation vehicle.

#### **4-10. Rappel Towers 1 & 2**

The Rappel Towers are used for training personnel on rappelling and fast roping operations (FRIES). Tower 1 has the ability to train on standard rappelling, window entries, window pick-offs, and skid side training. Tower 2 has the same abilities as tower 1 to include a 50-foot climbing wall and FRIES bar for fast rope training. This site also has two mock helicopters to conduct pre-mission training prior to actual helicopter operations. This area is widely used throughout the year for standard rappel training and air assault school.

- a. Located on Turpentine Road, adjacent to the Obstacle Course.
- b. Units must schedule NLT 45 days prior to use by using the Range Control fire desk on RFMSS.
- c. Units are required to schedule port-a-johns for all training at this location.
- c. Tower dimensions;
  - (1) Rappel Tower 1: 50 feet tall with 12 lanes (6 lanes wall side and six lanes skid side)
  - (2) Rappel Tower 2: 50 feet tall with seven lanes (2 wall side, two skid side, two slant wall, one fast-rope lane)
  - (3) UH-60 Mock-up (2)
  - (4) Slant walls (2).
- d. Additional requirements for Rappel Tower;
  - (1) RFMSS requests must be approved before arrival.
  - (2) Copy of signed risk assessment must be given to Range Control.
  - (3) A medic or CLS qualified personnel must be on-site during training, as well as an evacuation vehicle.
  - (4) A current DOD certified Rappel Master (RM) or Fast Rope Master (FRM) must be present in order to conduct training. Requests for RM must be in writing to RC NLT 45 days prior to training event; or, the requesting unit provides a Commander signed a memorandum stating their Rappel master is currently certified.

#### 4-11. Simulation Center

a. The Battle Simulation Center (Sim Center) offers a large conference room with a seated capacity of 225, various meeting spaces and classrooms, and multimedia capabilities (flexible network accessibility, public address systems, wireless connectivity, and multimedia equipment). The Sim Center is an ideal location for conferences, seminars, and multi-component training. There is also a two story annex building and four outdoor Tactical Operation Center (TOC) pads.

b. The Sim Center can be used as a battalion or brigade TOC, with MA GUARDNET and civilian wireless/hardlines and telephone lines available. It is also capable of hosting up to battalion level simulator programs (WARSIM), as well as networked CPOF and LCR training.

c. The Simulation Center is reserved through RFMSS, a minimum of 45 days is required. Please call 339-202-9309 if you need customized network setup.

#### 4-12. Soldier Validation/Counter Improvised Explosive Device (C-IED) Lane

The Soldier Validation Lane (SVL) training concept was developed to enhance the effectiveness and realism of existing pre-mobilization training. The SVL is a Home Station Training Lane (HSTL) for Counter Improvised Explosive Device related training utilizing containerized structures to create flexible “villages” or “urban clusters” at various locations throughout the Camp Edwards training area. Use of containerized structures allows for easy reconfiguration (refer to Appendix F. SVL/C-IED Lane Guidelines), ensuring that training facilities and scenarios can be modified as necessary to replicate the physical environment deploying Soldiers will encounter. Combining the HSTL C-IED lane training allows the Massachusetts Army National Guard to train Soldiers on the most relevant and prevalent threats they face on the battlefield while maintaining the ability to adapt training to those threats as Enemy Tactics, Techniques and Procedures (TTP’s) evolve. The SVL offers training capabilities for Squad through Battalion sized elements. The containerized structures are designed as stand-alone objectives that can be drawn independently or in combination, dependent only on an individual unit’s training objective. **Open fires/burn barrels are prohibited on Camp Edwards.** There are currently 31 approved SVL locations (see Appendix F for approved locations) within the northern training area of Camp Edwards, allowing for the future movement of objectives to reflect the current operational environment. The SVL is designed to promote Full Spectrum Operations (FSO) training and allow units the opportunity to validate their Soldiers on C-IED tasks and battle drills utilizing the “Crawl, Walk, Run” method of training. In addition to the aforementioned adaptability of the lane, there are numerous training aids available for units to draw to enhance the realism of training, i.e., Improvised Explosive Device Effects Simulator (IEDES), XM-10 (Artillery Simulator), XM-2A (Machine Gun Simulator), Improvised Munitions Explosives Effect Simulator System, foreign and domestic weapons, Suicide vests, Traffic Control Point kits, Local National clothing for Opposing Forces (Middle Eastern style), Less than Lethal Ammunition (LTLA), and the M116A1 hand grenade simulator (refer to Appendix H for a complete detail description of each training aid and requirements for drawing).

a. Units are highly encouraged to contact and coordinate training in advance with the Camp Edwards Asymmetric Threat Training Support Program (ATTSP). Contact Range Control in order to coordinate training with ATTSP. ATTSPs’ role is to provide dedicated personnel to assist with the planning and execution of individual and collective C-IED training development and integration. ATTSP develops holistic C-IED training programs for major commands responsible for pre-deployment training in support of ground operations during this period of persistent conflict.

b. SVL C-IED Lane “Crawl” Phase located in the 3500 area (cantonment), available training consists of;

- (1) IED recognition (“Petting Zoo”)
- (2) Search House (Home Made Explosives Lab)
- (3) Classroom for AARs and C-IED Awareness briefs
- (4) Dismounted Visual Identification Lane (0’s, 5’s & 25”s, Movement Techniques and Reporting Procedures)

c. SVL/C-IED Lane Phase encompasses training areas and two objectives (refer to Appendix F for route and objective layout), available training includes;

- (1) “Walk” and “Run” phases of C-IED training
- (2) Two separate objectives designed with containerized structures to create “villages” or “urban

clusters.”

(3) The C-IED route encompasses over three and a half miles of road networks, giving the unit the ability to create mounted battlefield scenarios using all available training aids and simunitions.

d. The SVL currently includes two objectives sites (Appendix F) that can be drawn independently or collectively. Units can conduct any number of training scenarios ranging from mounted to dismounted operations, MOUT training, C-IED training, HME training, AWT and Battle Drills, and force-on-force training. The four current objectives are;

(1) SVL A4 Objective 1 is located in the A4 training area and is comprised of eighteen (18) containerized structures in varying configurations (two of which are two-storied), ranging from 20 to 40 feet in length, each with exterior steel breach doors, partition walls, and steel-framed windows.

(2) SVL BA-4 Objective 2 is located in the BA-4 training area and is comprised of twenty-three (23) containerized structures (three of which are two-storied) ranging from 20 to 40 feet in length, each with exterior steel breach doors, partition walls, steel-framed windows, a rotary, and several culverts.

e. Units must schedule the SVL using the Range Control fire desk on RFMSS.

f. All RFMSS requests must be submitted NLT 45 days prior to the training event.

g. If units are not using designated C-IED lane route, then an overlay needs to be submitted to Range Control NLT 14 days prior to training events depicting the proposed route for approval.

h. An overlay of engagement and employment areas for UTM and or M116A1 hand grenade simulator must be submitted NLT 14 days prior to a training event for approval.

i. All safety requirements in chapter 9 of this regulation must be complied with when using simunitions.

j. A unit RSO must be identified for all maneuver operations.

k. A signed risk assessment must be submitted to Range Control prior to the start of the training event.

l. Ensure the unit complies with issuing and clearing of training areas, as outlined in chapter 3 in this regulation.

m. Ensure OIC or NCOIC of the training event is familiar with all aspects of this regulation and applicable Camp Edwards SOPs.

#### **4-13 Land Navigation**

Camp Edwards has four permanent land navigation courses. The Course Packets and Land Navigation Maps are available by request at Range Control. Land Navigation Course 1 is located in the A-2 training area; it has four lanes with a start point, three navigation control points, and an endpoint. A 100-meter pace count course is located on Herbert Road adjacent to this course. Land Navigation Course 2 is located in the A-5 training area and consists of five lanes. Each lane has a start point, two navigation control points, and an endpoint. Land Navigation Course 3 is located in the A-1 training area and has eight lanes. Land Navigation Course 4 is located in the C14-C15 training areas and consists of five lanes. Each lane has a start point, three navigation control points, and an endpoint.

a. The Land Navigation courses are located in the A1, A2, and A5 training areas. All units must report to Range Control prior to training to receive LN specific range packets.

b. Units must schedule NLT 45 days prior to use by using Range Controls fire desk on RFMSS.

c. When the Land Navigation courses are drawn, no other training is authorized from outside units in that specific training area.

d. Additional requirements for Land Navigation course usage;

(1) RFMSS request must be approved before arrival

(2) Copy of signed risk assessment must be given to Range Control.

(3) Comply with all provisions outlined in the issued LN range packets.

(4) A medic or CLS qualified personnel must be on-site during training, as well as an evacuation vehicle.

#### **4-14. Mounted Land Navigation**

The Mounted Land Navigation Course is intended to increase the Soldier's map-reading abilities. To complete the course, an individual or a team in a single-vehicle will plot the coordinates on a map and drive to each location. The locations are associated with established Battle Positions. Each Battle Position is clearly marked and has a small clearing available for common task training. Course start points and endpoints are Camp Edwards Range Control located on Wheelock Road. There is a Mounted Land Navigation Map and training packet available by request from Range Control. There are two courses, a long course that should take approximately two to three hours and a short course, which is



one to two hours. Participants must remain on established roads at all times and obey all Camp Edwards Regulations. All restricted areas on the map or posted on the ground are off-limits. In addition, a Safety Officer must be present to use this facility, and communication with Range Control must be maintained.

a. The Mounted Land Navigation course is located in various training areas. All units must report to Range Control prior to training to receive the Mounted Land Navigation range packet.

b. Units must schedule NLT 45 days prior to use by using Range Controls fire desk on RFMSS.

c. Additional requirements for the Mounted Land Navigation course usage;

(1) RFMSS requests must be approved before arrival.

(2) Copy of signed risk assessment must be given to Range Control.

(3) Comply with all provisions outlined in the issued Mounted Land Navigation range packets.

(4) The unit must have an RSO on-site at all times during training.

#### **4-15 Engineer Dig Sites**

Camp Edwards has three dig sites for heavy digging and earth moving training. Prior coordination is needed with Facilities Engineering (FE) and Range Control before the training event.

a. The dig sites are located in the following areas; Dig Site 1 is near the intersection of Canal View Road and Kendrick Road. Dig Site 2 is off Gibbs Road. Dig Site 3 is north of the Landfill, Southwest of the Howe, and Turpentine Road intersection.

b. Units must request a non-standard training event NLT 120 days out to FE and Range Control for prior approval.

c. Upon approval, additional coordination must be made with the facilities engineer manager at 339-202-9305.

### **Chapter 5 Ranges**

#### **5-1. General**

Camp Edwards has four 25-meter live-fire ranges, and one 300-meter live-fire Modified Record Fire (MRF) range. All range use must comply with a specific Operations, Maintenance, and Monitoring Plans overseen by State environmental agencies. **All exception to policy requests must be approved by the EMC EO and must be executed as directed.** All range firing will be IAW Chapter 5 of this regulation, DA PAM 385-63, all applicable FMs and TMs for each specific weapon systems. The units must have a current certified OIC/RSO as outlined in Chapter 9 in this regulation and must remain on the range at all times while the range is occupied. Units will comply with all issuing and clearing procedures, as outlined in Chapter 3 in this regulation. Units must request range use NLT 45 days prior to training events using the Range Controls fire desk on RFMSS. All units will submit a copy of their signed risk assessments to Range Control prior to occupying any range. For a list of approved ammunition to be fired on Camp Edwards by range, please refer to Appendix C in this regulation. Units must also comply with the following;

a. Cleaning/lubricating/preservative compound (CLP) and other weapons maintenance, cleaning, and lubricants will be conducted in a manner that minimizes the potential for release to the environment. Personnel will sparingly use these products when maintaining their weapons. When CLP containers are not in use, dependent upon their size, they will be kept on the soldier's person. In addition, when CLP containers are not in use and where practical, these containers will have their lids on and should be placed in a box, plastic bag, or container in order to prevent spillage. Range Control will issue units 5-gallon waste weapons material cleaning buckets for all used weapons cleaning material. No weapons cleaning material is authorized to be mixed with other types of trash. Units will return the bucket to Range Control once firing is completed, and only after it has been inspected by Range Control personnel.

#### **5-2. Echo Range**

Echo Range is an approved, 15 lane, 105 targets CPQC/MPFQC, automated 31-meter pop-up range used to meet training and qualification requirements with combat pistol and revolvers. This range is used to train and test individual Soldiers on the skills necessary to identify, engage, and defeat stationary infantry targets. All targets are fully automated, and the event-specific target scenario is computer-driven and scored from the range operations tower. The range operating system is fully capable of providing immediate performance feedback to the Soldier.

- a. This range is located on the east side of Burgoyne Road.
- b. Range packet, range box, and a 5-gallon weapons cleaning bucket will be issued by Range Control prior to occupying the range.
- c. Only approved ammunition is authorized to be fired on this range. The DODIC of all ammunition brought onto this range will be physically checked by Range Control personnel before firing. Authorized DODIC for Echo range are A363 (XM/M882) and AA49 (M882)
- d. Only Range Control issued or approved targets are authorized on this range;
  - (1) M9 E- type silhouettes
  - (2) M4/16 Zero Targets
  - (3) M4/16 Alternative C Qualification Targets
  - (4) M249/240B MG, ABCD 10 Meter Targets.

### 5-3. India Range

India range is a 20 lane approved Basic 25-Meter Firing Range (Zero) for M16 and M4 series rifle and is used to train individual Soldiers on the skills necessary to align the sights and practice basic marksmanship techniques against stationary targets. The range is designed for training shot-grouping and zeroing exercises with the M16 and M4 series rifles. The range is also used for short-range marksmanship (SRM) training and qualification.

- a. This range is located on the Northside of Pocasset Forestdale Road.
- b. Range packet, range box, and a 5-gallon weapons cleaning bucket will be issued by Range Control prior to occupying the range.
- c. Only approved ammunition is authorized to be fired on this range. The DODIC of all ammunition brought onto this range will be physically checked by Range Control personnel before firing. COPPER and STEEL ONLY (M885A1, Enhanced Performance Round (EPR) DODIC AB56, AB57, AB58, AB77, and AB79 are currently the only authorized ammunition on this range)
- d. Only Range Control issued or approved targets are authorized on this range;
  - (1) M9 E- type silhouettes
  - (2) M4/16 Zero Targets
  - (3) M4/16 Alternative C Qualification Targets
  - (4) M249/240B MG, ABCD 10 Meter Target

### 5-4. Lima Range

Lima range is used to train and test individual Soldiers on the skills necessary to engage and defeat stationary target emplacements with M203/M320 40MM Grenade Launchers.

- a. This range is located on Greenway road, with the entrance on the west side of the road.
- b. Range packet, range box, and a 5-gallon weapons cleaning bucket will be issued by Range Control prior to occupying the range.
- c. Only approved ammunition is authorized to be fired on this range. The DODIC of all ammunition brought onto this range will be physically checked by Range Control personnel before firing. The only authorized ammunition is M781, 40MM practice round, And DODIC B519. **NO HE ROUNDS ARE AUTHORIZED.** Lima Range is separated into Lima Range north and Lima Range South
- d. Only Range Control issued or approved targets are authorized on this range; **ALL TARGETS ARE EMPLACED BY RANGE CONTROL, NO OTHER TARGETS ARE AUTHORIZED.**

### 5-5. Tango Range

Tango Range is a 32 lane 25-meter range for M4/16, M249 and M240B zero and Alternative C qualification. This range is used to train individual Soldiers on the skills necessary to align the sights and practice basic marksmanship techniques against stationary targets. Only the Copper, M855A1, Enhanced Performance Round (EPR) DODIC AB57, AB58, is the only authorized ammunition on this range. Reflective, combat firing techniques, assisted and unassisted night firing are authorized on this range,

- a. This range is located on the south side of Gibbs Road, adjacent to Sierra Range.
- b. Range packet, range box, and a 5-gallon weapons cleaning bucket will be issued by Range Control prior to occupying the range.
- c. Units must comply with Range Controls specific SOP for Tango Range. Upon request by the unit, a

copy can be emailed or picked up at Range Control.

c. Only copper rounds are authorized on this range. The DODIC of all ammunition brought onto this range will be physically checked by Range Control personnel before firing.

d. Only Range Control issued or approved targets are authorized on this range

(1) M4/16 Zero Targets

(2) M4/16 Alternative C Qualification Targets

(3) M249/240B MG, ABCD 10 Meter Targets.

## **5-6. Sierra Range**

Sierra Range is a ten-lane, 70 targets, 300 meter MRF range designed to train and test individual Soldiers on the skills necessary to identify, engage, and defeat stationary infantry targets for day/night qualification requirements with M4/16 rifle. Only the Copper, M855A1, Enhanced Performance Round (EPR) DODIC AB57, AB58, is the only authorized ammunition on this range. Assisted and unassisted night firing tables are authorized on this range.

a. This range is located on the south side of Gibbs Road, adjacent to Tango Range.

b. Range packet, range box, and a 5-gallon weapons cleaning bucket will be issued by Range Control prior to occupying the range.

c. Units must comply with Range Controls specific SOP for Sierra Range. Upon request by the unit, a copy can be emailed or picked up at Range Control.

d. Only copper rounds are authorized on this range. The DODIC of all ammunition brought onto this range will be physically checked by Range Control personnel before firing.

e. Units must be certified in tower operations by Range Control prior to firing events. Units must request certification NLT than 30 days prior to the training event, contact Range Control at 339-202-9313 to schedule training.

## **Chapter 6 Logistics**

### **6-1. Directorate of Logistics**

a. The Directorate of Logistics (DOL) offers a variety of training support facilities and equipment. Located on Beaman Street, Building 3469, DOL encompasses billeting operations, warehouse operations, dining facilities, and POL. Additionally, DOL coordinates the usage of the base Chapel, Gymnasium, and Water Point.

b. DOL's hours are Monday through Friday, 0700 to 1500, and on Camp Edwards Base Drill weekend. Off base drill weekend coordination must be made with the warehouse manager during the week for any training support required outside of these hours. DOL can be contacted at 339-202-9308.

### **6-2. Billeting Operations**

Billeting Operations are located inside the Base Gymnasium/Soldier Readiness Processing Center on Connery Avenue. Billeting hours of operation are 0600 to 1800 daily. After-hours coordination can be made with billeting personnel. Billeting Operations can be contacted at 339-202-9317 or 339-202-9398. In the event that Billeting Operations cannot be reached, contact the Directorate of Logistics at 339-202-9308.

a. Temporary quarters are available for use by enlisted and officer personnel of the Massachusetts National Guard, State of Massachusetts Military Department employees, Military Technicians, military personnel in transit, retired personnel, and DOD Contractors, with priority in that order. All are eligible and available if personnel elect to stay in chargeable quarters for personnel convenience.

b. Troop barracks are located in the 5200 area. Three barracks (Buildings 5224, 5230, and 5234) are located near the Twining Hall dining facility, and four barracks (Buildings 5240, 5242, 5443, and 5244) are located near the Shaw Hall Dining Facility. All seven barracks are configured with 22 rooms (88 beds) on the first floor, and 25 rooms (100 beds) located on the second and third floors. Most of the barracks are split in half on the 3rd floor to accommodate small units with males and females. Each floor has a dayroom with new furniture, a large TV, a DVD player and is equipped with WI-FI. Under no circumstances is any of the furniture to be moved out. Pick up keys for barracks at the billeting office no later than 1400 on the day of scheduled usage.

c. Bachelor Officer/Senior Enlisted Quarters (BOQ/BEQ) are located on Norstad Street. The BOQ/BEQs on Camp Edwards has 465 beds in 106 apartments. Senior VIP quarters are available for O-5 and E-9 Commanders and above. Camp Edwards also has a cottage (Building 110, also known as the Kennedy Cottage) available for O-6 Commanders and above. Priority for the usage of the cottage is determined by the Post Commander. The housing rate for the BOQ/BEQ is determined on an annual basis. Under no circumstances is any of the furniture to be moved out. All BOQ/BEQs are equipped with WI-FI capabilities. Keys must be returned to the Billeting Office no later than 0900 of the day of departure.

d. The Gymnasium/Soldier Readiness Processing Center (Building 4180) is newly renovated and serves as a multiple-use facility. The gymnasium offers various cardiovascular workout equipment, weight/strength training equipment, and a functional strength training area. The multipurpose gym floor can support regulation basketball and volleyball courts. The operating hours of the gym are 0700 to 1700 daily. Coordination with billeting staff as required for after-hours facility usage. Please note; a usage fee may be required for personnel outside of the ARNG.

e. The Army Chapel (Building 1201) is located on West Inner Road in the 1200 area adjacent to the 1200 Dining Facility. The facility can be used for chapel services and other assemblies prior to approval by the Post Commander. The seating capacity of the chapel is 250 people. Contact Billeting Operations at 508-968-5915 or Directorate of Logistics at 508-968-5890 for more information.

f. Administrative buildings (16 total) are located in the 1200 area of Camp Edwards. Admin buildings can be used for "muddy boot" classrooms, supply buildings, or BN/CO level HQ buildings. Reserve admin building using DOL form A.

g. Camp Edwards has three dining facilities. Coordination for use is through the JFHQ Foodservice section. The DFAC's are reserved in RFMSS and maintained and issued by the DOL warehouse supervisor.

(1) The 1200 DFAC is located in the 1200 area near the Battle Simulation Center and has a feeding capacity of 200.

(2) Shaw Hall DFAC is located in the 5240 barrack area and has a feeding capacity of 400.

(3) Twining Hall DFAC is located in the 5230 barracks area and has a feeding capacity of 400.

### **6-3. Ammunition Supply Point**

Camp Edwards Ammunition Supply Point (ASP) is a multi-magazine earth-covered storage facility able to house all classes of munitions and demolition materials. The ASP is by appointment only, with daily duty hours from 0800-1600. Support requests outside normal business hours may be facilitated with proper notification and scheduling. Customers must complete all required munition handling and safety courses prior to drawing ammunition and explosive items. Course information can be obtained by calling the ASP office or by viewing the training circular link on the Digital Trainer's Guide. The ASP (Building 4030) is at the intersection of Frank Perkins Road and Pocasset-Forestdale Road. Contact the Ammunition Supply Point at 339-202-9318 or 339-202-9314 or Directorate of Logistics at 339-202-9308. Requirements for Site Usage are as follows:

- a. The current required Munition Safety Courses.
- b. TAMIS-R Request submitted.
- c. DA Form 581.
- d. DA Form 1687 on file.
- e. Assumption of Commander Letter.
- f. Proper vehicle and required safety equipment.

### **6-4. Transportation Section**

a. The POL/Transportation section is responsible for issuing the Motor pools, Wash Rack facilities, and Fuel Point on Camp Edwards. Units must schedule a minimum of 45 days in advance. Contact the POL/Transportation section at 339-202-9324.

b. There are four Motor Pools available for requesting units on Camp Edwards, two large motor pools, and two smaller motor pools. There are gates in between each set that can be opened by request for creating a larger area. Each motor pool is assigned a Terex Light Set for night operations.

c. The Wash Rack has 21 hoses for units needing to wash vehicles prior to leaving or turn in to UTES. The wash rack is operational from 15 April through 15 October. Camp Edwards does not provide brushes. A mild detergent may be used upon approval from DOL.

d. Fuel Point (Building, 4690). Please note that any unit outside of the Massachusetts National Guard must submit a DD Form 448 to the Massachusetts JFHQ, J-4, for fuel distribution. The Fuel Point is open for operations 24 hours per day, seven days a week. The fuel point uses the Fuel Master Pro key System. There are 12 refueling points and a bulk issue area. Please refer to the Spill Prevention & Response and the Unit Environmental Compliance Officer sections for specific information.

#### **6-5. Warehouse**

The Warehouse is located in building 3461 on Beaman Street. Warehouse operation supports units and organizations performing training on Camp Edwards. Consisting of 15,000 square feet of storage space, the warehouse has the ability to receive, issue, store, ship, and turn-in items and/or equipment for units. Units other than MAARNG are required to have a MIPR in place with the JFHQ supply and services branch to receive Class I (MREs) and Class II support. Units wishing to ship items or equipment to our facility need to make prior coordination before its arrival with the warehouse manager during week or Camp Edwards Base drill. Contact the warehouse manager at 339-202-9315 with any questions. Requirements needed are DA Form 1687 on file and an Assumption of Commander Letter.

#### **6-6. Water Point**

The Water Point has two outlets that deliver potable water through two-inch pipes at 45 to 55 PSI. Each pipe delivers approximately 75 GPM. Water must be run at least 10 minutes before use. It is located on Howe Road, around the corner from the wash rack. Contact Directorate of Logistics at 339-202-9315.

#### **6-7. Welcome Center**

The Welcome Center (Building 1805) is a briefing and meeting facility for executive-level meetings. The facility is equipped with RCAS capabilities, a projector, and a screen. The seating capacity is 75 personnel. This facility is not to be used for normal classroom instruction or an Operations Center. Please contact the billeting office if such a facility is required. The Welcome Center is located off of the rotary at the intersection of Gaffney Street and West Outer Road. Contact Directorate of Logistics at 339-202-9308.

#### **6-8. Unit Training Equipment Site**

The Unit Training Equipment Site (UTES) maintains a pool of vehicles and equipment which units can draw for training on Camp Edwards. Located at Building 4601 on Greenway Road. Contact UTES Supervisor at 508-968-5875 (office) or 508-968-5201(fax). Please use the UTES Form 3 available on the Massachusetts Knowledge On-Line Site for a comprehensive list of available equipment, including HMMWVs – M1165 (Up-Armored), M1025 (VisMod - visually modified to look Up-Armored), M998, LMTVs – M1078, MTVs – M1083, 5-Ton Trucks – M923, SINCGARS – Vehicle Mounted and Manpack, Machine guns – M2, M240, MK19, maintenance bays, and tents.

### **Chapter 7**

#### **Environmental Standards**

##### **7-1. General**

a. Massachusetts Army National Guard's Environmental program provides the expertise and resources necessary to provide realistic training for National Guard Soldiers while protecting natural and cultural resources. The environmental program employs professionals working in the areas of natural and cultural resources management, community outreach, compliance-hazardous waste handling and reduction, recycling, and training improvements. It is the program's mission to integrate Army training with sound environmental management successfully.

b. The MAARNG environmental program has established successful relationships with governmental, regulatory, and community groups to reach its primary objective of training in concert with the environment. The program informs, educates, and involves stakeholders on issues regarding training and the environment. Through the Environmental & Readiness Center, the program serves as the public's link for information about Camp Edwards and the JBCC regarding training and the environment.

c. The Air Force Civil Engineer Center and the Environment's Installation Restoration Program and the NGB/ MAARNGs Impact Area Groundwater Study Program are responsible for the investigation and cleanup of soil and groundwater contamination from past military practices.

d. In regards to the general public's interest in protecting the resources of Camp Edwards, environmental oversight is conducted by the Environmental Management Commission (EMC). The EMC is comprised of the commissioners of the Department of Fish and Game, the Department of Environmental Protection (MassDEP) and the Department of Conservation and Recreation. Its authority, Massachusetts Chapter 47 of the Acts of 2002, and a Memorandum of Agreement signed in 2001. The purpose of the Environmental Management Commission (EMC) is to ensure the permanent protection of the drinking water supply and wildlife habitat of the Upper Cape Water Supply Reserve (drinking water for Upper Cape Cod) / Camp Edwards Training Area while allowing for compatible military training. The EMC oversees compliance with, and enforcement of, the Environmental Performance Standards (Appendix O) The EMCs mission is carried out on Camp Edwards by an environmental officer. The duties of the environmental officer are to monitor the activities being conducted on and the uses of the Upper Cape Water Supply Reserve / Camp Edwards Training Area. The EMC has access to the training areas prior to, during, and immediately following training.

e. It is the MAARNGs environmental program's mission to successfully integrate Army training with sound environmental management at Camp Edwards, thereby providing for a trained and ready force for the 21st-century battlefield.

## **7-2. Natural Resources**

a. As a land-based force, we require large amounts of land to conduct our required and necessary military training. We need to ensure that our military training is compatible with the natural environment to ensure we maintain the land for future generations. It is every Soldier's responsibility to protect natural and cultural resources both at home and abroad. The mission of the Natural Resources office is to work with the trainers to successfully integrate Army training with sound land and natural resource management at Camp Edwards and everywhere we train.

b. The Natural Resource Office is responsible for Natural Resource management ranging from surveying and monitoring to active land management such as soil erosion repair and prescribed fire. The program is guided by the Camp Edwards Integrated Natural Resource Management Plan and also administers the ITAM program, which integrates sound natural resource management with compatible military training.

c. When training at Camp Edwards, there are specific requirements that each unit must comply with and familiarize themselves with. They include the EPSs, spill procedures, and prevention, etc. Please contact Camp Edwards at least 45 days prior to training to ensure you receive all required and necessary briefings, which will enable you to have successful, realistic, relevant, and robust training experience.

d. All state laws pertaining to the management of natural resources are applicable to Camp Edwards. Violations are subject to prosecution in the civilian court system.

e. Natural vegetation may be used for camouflage. Leaf foliage may only be cut from native hardwoods (oaks, maple, cherry, aspen poplar, ironwood, and elm) less than 2" in diameter as measured at ground level. Vegetation shall not be cut within 50 meters of wetlands or within 100 meters of the camp boundary. Following the use of vegetation, it shall be disassembled and scattered before clearing the area.

f. Pounding of nails into trees is prohibited.

## **7-3. Spill Prevention and Response**

Spill Prevention and Response is everyone's responsibility. It's not against the law to have a spill, but it is against the law to not report and respond to spills. Use common sense; Officers and NCOs must ensure that experienced or licensed personnel are following proper safety and protocol procedures when dealing with any hazardous material and hazardous waste. Call the Environmental Office should you have any questions. Report all spills 24 hours a day seven days a week to your Chain of Command, and to the Environmental Emergency Response personnel at 508-328-1947 or 508-328-1122. Also, when training at Camp Edwards or any other training site, ensure that you contact Range Control immediately in the event of any spill. Each unit is required to assign a UECO. This Soldier will have the tools and training available to them to ensure units stay in compliance with all applicable laws, regulations, and standards. Quick reference guides and detailed step by step documents are linked and provided on the Digital Trainer's Guide: Quick Reference Spill Procedures, Spill Response Card for Training Areas & Roadside, (OSPCP) Mobile Fuel Tankers Spill Response Card, and Facility Spill Plans.

a. If any spillage occurs in the field during the refueling of equipment the following actions are required to Stop, Contain (if able and safety allows) and Clean up the spill;

(1) Report the spill to Range Control.

(2) Speedy dry will be used by units to recover minor leakage during refueling of vehicles, and then appropriately deposited as outlined in Chapter 5-5 in this regulation.

(3) If any spillage occurs from refueling small equipment, the unit will collect the contaminated soil in the trash bag, following proper disposal procedures as outline in Chapter 7-5 in this regulation.

#### **7-4. Solid and Liquid Waste**

All solid waste is to be removed from the Training Area and disposed of properly. Nothing is to be left or buried in the Training Area. Waste procedures will be briefed for all units, but the following disposal requirements will apply:

a. Recycle: Separate all types of waste cardboard, tin cans, glass, white paper, etc., and dispose of in appropriate containers at dining facilities or at the consolidation area at Facilities Engineering (FE) building 2808.

b. Trash must be properly bagged and deposited in the designated dumpsters at FE.

c. Metal waste should be disposed of at the consolidation area at FE.

d. Spent munitions and dunnage will be disposed of at the Ammunition Supply Point (ASP).

e. Liquid waste such as soakage pits for washing, kitchen waste, and grease are only authorized according to FM 10-23.

f. Burial of any waste is prohibited.

#### **7-5. Hazardous Materials and Waste**

Hazardous waste is defined as a waste, or combination of wastes, which because of its physical, chemical, or infectious characteristics, will pose a threat to human or environmental health and safety when improperly disposed of, or not managed in accordance with 310 CMR.30 (Code of Massachusetts Regulations). Such wastes include fuels, motor oils, solvents (including weapons cleaning liquids, patches, and rags), acids, explosives, paint thinners, hydraulic/ brake fluids, and oil-contaminated anti-freeze. These and other materials my turn into hazardous waste when they are no longer useable, if there is a question regarding the disposal of any materials, request classification from the compliance office at the E&RC at 508-968-5908/5148.

a. The unit environmental officer is responsible for full and immediate accountability and reporting on hazardous materials and wastes for their unit.

b. Disposal requirements;

(1) All materials brought onto the installation by the unit must be removed from the training areas, and if turned into waste, adequately disposed of at the installation. All units will be issued clear trash bags and a 5-gallon bucket upon check-in at Range Control for hazardous waste.

(2) All hazardous waste must be reported to Range Control for proper disposal or further disposal instructions.

(3) Under no circumstance may a unit transport material that is classified as hazardous waste off the installation.

(4) If you are unsure if a waste may be hazardous, do not guess. Contact the Environmental Compliance Office to determine waste characterization

#### **7-6. Refueling**

All refueling operations must comply with this regulation and EPS 15.

a. Refueling will only occur in approved fueling locations;

(1) Fuel point on Turpentine Road.

(2) Tactical Training Base Kelley.

b. The following are protective materials and secondary containment measures that must be followed;

(1) All fuel tankers and generators are to be placed on pop-up secondary containment.

(2) Each POL vehicle must carry sandbags, polyethylene plastic, speedy dry, shovel, and a hazardous waste drum in order to contain and control spills occurring during refueling operations. Units are expected to obtain these materials thorough unit supply channels.

(3) Secondary containment in the form of rolled plastic, trash bags or plastic bags is also required for the refueling of small equipment such as generators, and for field storage of filled fuel cans.

### 7-7. Vehicle Maintenance

Vehicle maintenance above operator level is not authorized in the training area, and all support level maintenance must be conducted at appropriate facilities with paved or concrete parking areas, i.e., UTES.

- a. Routine PMCS with appropriate POL products is authorized throughout the installation. Waste materials generated and classified as hazardous must be properly disposed of at the UTES.
- b. Emergency repairs are authorized in training areas, but require notification to Range Control, and secondary containment is required.
- c. All vehicle maintenance operations, cantonment, or training area requires adequate spill prevention equipment and measures.

### 7-8. Latrines

- a. Soldiers will only use portable latrines while in a field environment. Requisition and contract of latrines will be the responsibility of each unit. Coordination may be made through DOL for contact information.
- b. Digging of field latrines is strictly prohibited.

### 7-9. Wildlife Management

Camp Edwards is home to a wide variety of wildlife. No hunting or trapping is authorized on Camp Edwards without permission from the Camp Commander and Massachusetts Division of Fisheries and Wildlife. Because of the amount of wildlife on Camp Edwards, it is essential that all personnel use extreme caution around any wild animals. Avoid confrontation at all times with wildlife and report any sightings of box turtles or New England Cottontail rabbits to Range Control. Good sanitation practices in unit bivouac areas will reduce intrusion by wild animals. In the event, a wild animal bites any individual, provide first aid, and immediately notify Range Control.

### 7-10. OFF Limit Areas and Protected Features

- a. Water supply wells: Absolutely no activities on or uses of the water supply wells are permitted. Tampering with the drinking water well may lead to prosecution.
- b. Wetlands and Water bodies: Water bodies and wetland areas are posted in the field and mapped. No activities are allowed within 100 feet of the designated wetlands and water bodies, except on roads approved for passage. Approval by the E&RC, Natural Resource Officer, EMC, and Range Control is required for all non-standard activities within areas within 100 feet of water bodies and wetlands.
- c. Archeological Sites: Archeological sites are off-limits. Federal, State, and Army regulations prohibit any disturbance, and collection of any artifacts is strictly prohibited.
- d. Wildlife Habitat: Approval by the E&RC, Natural Resource Office, EMC, and Range Control is required for all activities within an area where threatened and endangered species have been identified and need protection and activities within 100 feet of all wetland areas. Federal, State, and Army regulations prohibit harassment of listed wildlife, destruction of habitats, and removal of listed plant species.
- e. Vegetation: Do not limb trees above seven (7) feet. Trees and shrubs with trunks greater than 4 inches will not be cut without permission of the Natural Resource Office and Range Control.
- f. Soils and Grades: Mechanical excavations are prohibited except in the approved dig site locations (listed in Chapter 4-18 in this regulation) and prior coordination and approval from FE and Range Control. Refill all excavations, including individual fighting positions to match surrounding landform before leaving the training area. All erosion problems should be reported to Range Control.
- g. EPA Investigation Sites: Range Control will provide a current list of EPA investigation sites that are off-limits.
- h. Unknown Areas: If there is any question about an area, contact Range Control before entering that area. Failure to comply with these provisions and restrictions may jeopardize future military training for that unit on Camp Edwards.
- i. Training areas B8 and B9 are off-limits to all personnel unless approved by Range Control.
- j. The **Central Impact Area** is **off-limits** to all personnel.

### 7-11. Historic Preservation



Camp Edwards has numerous areas of historical and archaeological significance. There will be no digging permitted within 100 meters of historic/archaeological sites. Report any artifacts or other items that may have historical or archeological significance immediately to Range Control.

### **7-12. Prescribed Burn Policy**

a. Purpose: To guide and support the MAARNG in the use of prescribed burning in achieving natural resource and fuel reduction management objectives.

b. General Policies: The MAARNG will establish and maintain a system of coordination and oversight to ensure the wise use of fire as a management tool. The Camp Edwards Natural Resource Office will maintain a Fire Management Plan for Camp Edwards.

### **7-13. Tick-Borne Illness**

a. Camp Edwards employees and troops in training need to remain informed on the potential for tick-borne illnesses and prevention of the same. Similar to other areas in the Northeast, Camp Edwards is an endemic area for Lyme disease and several other Tick-borne diseases. More information is available from the Camp Edwards Natural Resource Office.

b. The following methods are encouraged to prevent bites from all ticks.

(1) Wear uniforms with pants bloused and sleeves down.

(2) Apply repellent with DEET to exposed skin.

(3) Treat clothing with repellent containing permethrin. Permethrin spray is commonly used.

(4) Use the Buddy System to check for ticks frequently

(5) Remove common dog ticks by grasping the tick as close to your skin as possible and gently pulling it straight out, then wash the bite area and apply antiseptic.

c. If a deer tick bites a person follow the following procedure to analyze the tick for the disease. This can only be accomplished if the tick is handled correctly, including removal. A person with a deer tick must report to the TMC where the tick will be removed and patient info recorded. If the TMC is closed, Kaehler Clinic or Falmouth Hospital will remove the tick and prepare it for processing. The patient will be informed if the tick is positive for Lyme disease or not, and will be given information and antibiotic treatment accordingly.

### **7-14. Hunting**

a. No hunting is allowed unless specifically approved by the Camp Commander and the MA Division of Fisheries and Wildlife (MADFW). The normal yearly hunt includes Archery Deer Hunt, Shotgun Deer Hunt, Muzzleloader Deer Hunt, Disabled Deer Hunt, youth Turkey Hunt, and Turkey Hunt. All authorized hunters must comply with all provisions in the JBCC Camp Edwards Hunting SOP. Furthermore, there shall be no harassing of animals on the installation.

b. The MADFW has given the responsibility to track wounded wild game within the installation to Camp Edwards. Tracking of wounded animals into Camp Edwards will be at the convenience of the installation based upon available personnel and will be subject to the following guidelines.

(1) A member of the Range Control will escort the hunter.

(2) Weapons will be checked at the MADFW station prior to entering Camp Edwards.

(3) No impact or restricted areas will be entered.

(4) After tracking for a reasonable distance with no success, installation personnel may terminate the search and escort the hunter from Camp Edwards.

### **7-15. Fishing**

There are no fishing opportunities at Camp Edwards.

## **Chapter 8 Resource Protection**

### **8-1. Jurisdiction**

Due to the unique nature of Camp Edwards, several organizations have the authority to enforce rules and or regulations on the base, including Massachusetts State Police, Barnstable County Sheriff, 102 IW Security Forces, Internal Security Associates (ISA), USCG Security, and, occasionally, various Military

Police units. All Federal and Commonwealth of Massachusetts laws are applicable, as well as the Uniformed Code of Military Justice.

## **8-2. Traffic Regulations**

- a. Please refer to the JBCC Traffic Plan, JBCC JR 51-1, for specific instructions.
- b. Speed limits are 45 MPH on all hard surface (blacktop) roadways unless otherwise indicated. Reduced speeds are required and posted in troop billet areas. Vehicles will slow to 10 MPH while passing troops in formation. The speed limit on all gravel and unimproved roadways is 25 MPH. The maximum speed in the training area is 25 MPH during daylight hours and 15 MPH at night. Slower speed limits may be imposed on specific vehicles IAW Army Regulations or unit SOPs.
- c. Parking is restricted to designated parking areas only. No on-street parking is authorized on Camp Edwards roadways. The only exception is BOQ/BEQ parking on Norstad Street.
- d. All vehicle operators on Camp Edwards must be currently licensed in accordance with military requirements for government vehicles and in accordance with the Commonwealth of Massachusetts Laws for the operation of privately owned vehicles.
- e. All privately owned vehicles being operated on the installation will be properly registered and insured in accordance with Massachusetts Law. This law also requires that all operators possess valid registration and proof of insurance. At a minimum, all privately owned vehicles will carry current liability insurance.
- f. Operators of bicycles on Camp Edwards must wear a bike helmet and proper personal protective equipment (i.e., reflective belt and/or reflective clothing).
  - (1) The operator of a motor vehicle overtaking a bicycle or individual proceeding in the same direction on the roadway shall leave a safe distance but, in no case, less than three (3) feet clearance when passing and shall maintain clearance until safely past the bicycle or individual.
  - (2) An arm signal to turn right or left shall be given continuously during the last 100 feet traveled before turning, unless the arm is needed to control the bicycle, and shall be given while the bike is stopped waiting to turn.
  - (3) No bicycle shall be used to carry more persons at one time than the number for which it is designed and equipped. Properly attached child seats equipped with a harness to hold the child in place and protection for the child's feet from hitting the spokes or wheels are required.
  - (4) Riders will not carry a package, bundle, or article which prevents the driver from keeping at least one hand upon the handlebars or from properly operating the brakes of the bicycle.
  - (5) Bicycle operation is not allowed at night or when visibility is decreased without a white light lamp visible 500 feet to the front; red reflector(s) visible 600 feet to the rear when directly in front of a vehicles lower beam of headlights; reflective material on both pedals front and rear; and minimum 20 square inches of reflective material on each side of the bicycle or its operator.

## **8-3. Alcohol Incident Procedures for Driving Related Offenses**

Camp Edwards is under the legal jurisdiction of the Commonwealth of Massachusetts. Prosecution of alcohol-related driving offenses is under control of the Barnstable County Attorney. Massachusetts State Statutes pertaining to driving while under the influence of alcohol are applicable to Camp Edwards.

## **8-4. Weapons, Ammunition, and Explosives**

The purpose of this policy is to define procedures pertaining to carrying weapons within facilities on Camp Edwards.

- a. Firearms, including pellet guns, blowguns, and crossbows, shall not be transported or possessed upon Camp Edwards unless specifically authorized in writing by the Adjutant General or Post Commander. This regulation does not apply to military weapons when used for authorized training purposes or firearms authorized for use in training by the department of a licensed peace officer. Additionally, Paragraph 7-14 of this regulation grants a specific exception during the hunting season.
  - (1) Any weapons found on Camp Edwards without authorization will be confiscated by the Massachusetts State Police (MSP), pending further action by the Post Commander and civilian authorities.
  - (2) Licensed police officers not in an official department capacity will not carry personal or department firearms while on Camp Edwards unless authorized in writing by the Adjutant General or Post Commander.

(3) Licensed police officers operating in an official capacity are authorized to carry their official sidearm on Camp Edwards in accordance with their applicable department guidelines.

b. Weapons:

(1) As always, safety is the primary focus. However, this policy also considers the need to create a realistic training environment.

(2) Live rounds will not be loaded in any weapons off authorized firing ranges.

(3) Weapons will be unloaded and cleared prior to entering any building. Magazines will not be inserted into weapons.

(4) Weapons will not be carried at any time into the USCG Exchange (Building 5203) or the Three-in-One (Building 5202).

(5) Due to training occurring in the Cantonment Area, this policy is not intended to be overly restrictive. Additional restrictions may be added as deemed appropriate for training value by the Commander. Restrictions could include mandating all weapons being cleared when entering the Cantonment Area, the unit area, or specific unit facilities.

(6) Unit Commanders are encouraged to include weapons carrying and clearing procedures and policies within their training plans. Policies should focus on maintaining weapons, security, and discipline.

c. Ammunition, explosives, and other related pyrotechnics will not be in possession of any individual except as authorized for training purposes on ranges or in the training area. At no time will ammunition, explosives, or other pyrotechnics be transported in any civilian vehicles with the exception of authorized marksmanship weapons. Limited use of small arms blanks ammunition and pyrotechnics may be authorized for specific training events. Contact the PTD Office at 508-968-5888 to request authorization in advance of the planned event.

### **8-5. Barriers**

a. Barriers are erected both in the Cantonment and Field Training Areas. Barriers may be constructed of metal, wood, or plastic tape and may be permanently mounted or of temporary construction. Barriers are erected to prevent personnel or vehicles from entering an area that is or might create a safety hazard. Barriers may also be erected to cordon off an area to allow for undisturbed training. At no time will personnel or vehicles travel around barriers.

b. Range Control or DFE is the only Camp Edwards department authorized to erect barriers.

c. Breaching of any barrier may result in disciplinary action against the person(s) involved. Keep in mind that barriers have been erected for your safety. If you need to access an area in the Cantonment Area or Training areas marked off by barriers, contact Range Control at 339-202-9313

### **8-6. Prohibited Actions**

This section contains prohibited actions that may not be covered in other sections within this regulation. These actions and practices are considered prohibited on Camp Edwards.

a. Driving or parking over curbs and/or across lawns or sidewalks.

b. Climbing water tanks, buildings, and telephone or light poles.

c. Entering or using buildings not authorized for training or troop use.

d. Damaging or removing construction materials. This includes materials owned by the government or private contractors.

e. Tampering or moving unexploded ordnance. Any UXO will be left in place, the area will be marked, and the location will be immediately reported to Range Control.

f. Unnecessary destruction or damage to trees or shrubs.

g. Entrance into any compound not open for use.

h. Interrupting traffic flow on any roadways within the Cantonment Area.

i. Trespassing on Air Station Cape Cod runways.

j. Washing vehicles in the Cantonment Area other than at established wash racks.

k. Abandoning or storing private vehicles on Camp Edwards without the approval of the Post Commander. Any vehicle that is inoperable will be considered abandoned after three days unless prior arrangements are made.

l. Running of electrical cords from the interior to the exterior of the building during the heating season. Electrical outlets may not be used to provide power to any recreational vehicles except as authorized by the Post Commander. Permanent outdoor electrical outlets may be used for plugging in vehicles to include POVs; however, government vehicles will have priority for the use of outlets.

- m. Littering of any area.
- n. Depositing of ammunition or pyrotechnics in the trash or recycle containers.
- o. Movement of tracked vehicles on any paved surfaces without the approval of Range Control. An exception is granted for the paved, marked tank trail adjacent to the UTES.
- p. Tampering with or removing any type of alarm system to include intrusion detection, mechanical, and fire alarm systems and smoke detectors. Unit Commander action will be required for a person(s) tampering with alarm systems.
- q. Entering or exiting of Camp Edwards through other than an authorized (open) vehicle or pedestrian gates.
- r. Urinating in public or indecent exposure.
- s. Alcohol will not be authorized by any training unit at any location on the installation without written authorization from the Post Commander.
- t. Anyone observing a fire on Camp Edwards will immediately contact Range Control giving a six-digit grid coordinate and/or a range or training area designation if possible.
- u. Open **fires and Burn Barrels are prohibited.**

### **8-7. Base Access Control (include civilian access protocol, forms, etc.)**

Proper identification is required for entrance to the JBCC. This includes, but is not limited to, DOD CAC, USCG ID, or Law Enforcement Badge / ID.

a. Civilians wishing to enter the base must submit a formal written request to the PTD. The following information is required to be submitted to the PTD for civilian access:

- (1) Point of contact (POC)
- (2) Organization
- (3) POC phone number.
- (4) A roster of all personnel entering the base.
- (5) Individual social security number.
- (6) Individual driver's license number.
- (7) Individual vehicle plate number.

b. Driver or Individuals may be signed in, and the safety and security of the guest is the responsibility of the service member who signed them in.

c. The Main Gate on Connery Avenue is open continuously. The Sandwich Gate on Snake Pond Road is closed from 2200 to 0500. In addition, the Falmouth Gate is opened during peak hours in the morning from 0545 to 0745 and in the afternoon from 1445-1645.

### **8-8. Range Access Control**

The Camp Edwards Range Complex is a restricted use area for privately owned vehicles and/or contractor-owned vehicles. It is the policy of the Base Commander that any privately owned vehicle (POV) will be required to get a vehicle pass issued through Range Control. Range Control will determine who is authorized a vehicle pass.

a. Contractors do not need vehicle passes as long as the vehicle has the company name and or letterhead. In cases where the contractor has leased or rented vehicles, then these vehicles will be required to get a vehicle pass.

b. Military personnel should be traveling in either a military vehicle or General Services Agency (GSA) vehicle when traveling within the training area. These vehicles are authorized in our training complex without a pass, but must first check-in at Range Control. Military personnel can request the use of a POV and will be approved by Range Control on a case by case basis.

d. Vehicle passes are as follows:

(1) All vehicle passes will be issued to only those individuals designated by the Range Control OIC. These will only be issued during the week during normal duty hours from 0700 to 1700. Vehicle passes will be issued for a specific date range and are disposable/recyclable.

e. As with all other policies, there are some exceptions to where POV's do not need a vehicle pass, and they are as follows:

(1) Travel to and from Range Control on Frank Perkins is authorized. **Parking along the road is NOT AUTHORIZED.**

(2) Travel on Greenway Road up to USCG Antenna site is authorized. **Parking along the road is NOT AUTHORIZED.**

f. Any POV without a vehicle pass will be escorted off the Range Complex; if the violator is a service member, then that individual's chain of command will be notified. All other violators' vehicle and driver information will be recorded and logged at Range Control. Future violations can result in MSP and or Environmental Police Officer (EPO) involvement.

### **8-9. Facility Security**

a. In order to protect our resources, physical security measures must be taken within all government facilities within the installation. Each facility or activity will be responsible for maintaining a physical security plan for the activity. In the case of small or limited facilities, this requirement may be met by the higher headquarters as determined by the commander or activity director.

b. Facilities will be secured at all times when not in use whenever possible. The facility will also have a key/lock custodian appointed on orders for the activity or facility. All keys issued for the facility will be monitored and maintained by the key/lock custodian.

c. Additional security measures will be implemented based upon an increase in the FPCON Level for the installation. Specific instructions for security measures to be taken will be provided to each activity by the Security Office.

d. Barracks security will be the responsibility of the assigned unit or activity. During periods when the building has not been issued, the security of the building will be the responsibility of the Billeting Office. Barracks exterior doors will remain locked at all times when the building is not occupied. Units in training will ensure that their assigned barracks are secured when the building is not occupied. Commanders should emphasize maintaining accountability for all visitors to their barracks or unit areas. Commanders are responsible for ensuring that guests do not remain in the barracks without approval.

### **8-10. Weapons Security**

a. Arms, ammunition, and explosives designated to units or facilities training or stationed at Camp Edwards will be secured in accordance with AR 190-11, Physical Security of Arms, Ammunition, and Explosives. Service branches other than Army will store weapons in accordance with applicable service regulations provided the minimum standards of AR 190-11 are met.

b. Military weapons not stored in authorized weapons vaults with operational IDS will be under 24-hour surveillance. Weapons issued to individuals will be under the constant supervision of the individual when not stored in an authorized weapons vault.

c. Privately owned weapons are not authorized on Camp Edwards except as stated in Paragraphs 7-14 and 8-4.

d. Military weapons will be secured at all times in accordance with AR 190-11. Civilian weapons under the control of law enforcement agencies will be stored in accordance with the applicable requirements of the specific department. At a minimum, law enforcement weapons will be secured or under direct supervision at all times. Weapons stored in vehicles will be secured with commercial locking devices.

e. Department approved/owned weapons being stored on Camp Edwards for official department training will be secured in accordance with security procedures applicable to that organization.

f. Upon discovery of a missing weapon, the unit, at the lowest level, will immediately notify the Camp Edwards HQ, Range Control, or Andrews's security at 774-238-0154. Andrews's security may also be contacted through Range Control via FM radio. Notification must be made from the lowest level as soon as the weapon is discovered missing. The losing unit will be responsible for notifying their applicable chain of command.

### **8-11. Key Control**

a. All tenant activities will be responsible for maintaining key control for their assigned facilities. The Directorate of Facilities Engineering (DFE) is responsible for making keys, changing cores, and installing new locks as required. The DFE will not produce any keys for their use, which provides access to facilities not assigned to the DFE. The following system will be used for key control.

(1) Each director will establish a key control officer as deemed appropriate for the section(s) within their directorate. Duty appointment orders will be signed by the director and forwarded to the DPW locksmith.

(2) Key control officers are the only personnel that can order and receives keys for their areas from the locksmith. Key control officers will request and receive keys directly from the locksmith.

(3) The key control officer will then maintain the Key Control Register and Inventory, DA Form 5513-R, for their area of responsibility. Keys may then be issued as deemed appropriate by the key control officer.

(4) Physical accountability will be completed annually by each key control officer. If a security violation is suspected, an immediate 100% inventory will be conducted. Any discrepancies will be reported to the Security Office.

b. The Billeting Office, located at the Base Gym, will maintain building keys. Keys will be issued to personnel following check-in procedures. Person(s) issued building keys will be responsible for safeguarding their assigned key. All keys will be returned to the Billeting Office before departure. Loss of any key will result in an additional charge to the individual for replacement of the key and/or locks.

c. Barracks keys will be issued by the Billeting Office following a walk through inspection of the building by unit/activity and housing personnel. The receiving activity will be responsible for safeguarding all issued keys for the building. All keys will be returned to housing personnel upon final inspection. Loss of any key will result in an additional charge to the individual or activity for replacement of the key and/or lock.

## **Chapter 9 Safety**

### **9-1. General**

Safety is a paramount concern in the conduct of all training at Camp Edwards. Safety requirements for specific types of training or weapons systems are delineated in the applicable portions of this regulation. The safety requirements covered in this chapter are generic and apply to all personnel utilizing training facilities on the installation. Range Control is obligated to employ additional safety measures based on experience when conditions warrant such measures. Safety is the primary responsibility of every leader down to the smallest element. Reference AR 385-10, DA PAM 385-10, AR 385-63, and DA PAM 385-63.

### **9-2. Risk Management**

Deliberate Risk Assessment (DRA) is the Army's primary decision-making process used to mitigate risks associated with all hazards that have the potential to injure or kill personnel, damage or destroy equipment, or otherwise impact mission effectiveness. All training conducted on Camp Edwards requires unit Commanders or leaders to conduct and apply DRA measures into their training plans. Units are responsible for completing DA Form 7566, Deliberate Risk Assessment worksheet (Appendix L) before any training will be authorized on Camp Edwards. A signed, by appropriate level, copy of DA Form 7566 must be submitted to Range Control or TSC before the start of any training event.

a. Levels of risk. Operations should be categorized according to the level of risk. The Army program consists of four levels-low, medium, high, and extremely high. These levels are used to call attention to the significance of risk and to enable decision-making at the proper level.

b. Risk decisions. Commanders or leaders are required to make informed risk decisions at the appropriate level. The final risk decision is made on the highest level of residual risk in column 9 of DA Form 7566, Deliberate Risk Assessment worksheet. Use the risk assessment matrix found in FM 5-19 or DA Pam 385-10 to determine the risk assessment. Commanders may approve the mission using the following residual risk levels:

- (1) Low risk- Company Commanders
- (2) Moderate risk- Battalion Commanders
- (3) High risk- The first 0-6 in the chain-of-command
- (4) Extremely high risk- The first general officer in the chain-of-command

c. CRM cycle is a 5 step continuous process.

- (1) Step 1- Identify hazards
- (2) Step 2- Assess hazards to determine the risk
- (3) Step 3- Develop controls and make risk decisions
- (4) Step 4- Implement controls
- (5) Step 5- Supervise and evaluate

d. Steps 1 and 2 are assessment steps; steps 3 through 5 are management. Review FM 5-19 for a more detail description of each step.

### 9-3. Safety Certification Program

a. Range Safety certification programs are used to train and qualify personnel in the duties of OIC and RSO for firing exercises and maneuver operations. Certifications are implemented at the battalion level.

b. Battalion commanders are responsible for training and certifying their personnel in the duties of OIC and RSO for firing exercise and or maneuver operations. Battalion Commanders will certify, in writing, these individuals to Range Control using the Range Safety Appointment Form (Appendix I). Commanders will ensure that small arms and crew-served OIC's and RSO's are, as a minimum, qualified with the weapon system, thoroughly familiar with contents of this Range Regulation and any necessary FM's or TM's about the weapon system being used, sample weapons test can be found in Appendix J of this regulation or obtained from Range Control upon request.

c. Battalion OIC and RSO certification programs will be integrated into their organizational/unit training programs. See Appendix J in this regulation for an outline of a safety certification program. Due to the wide variety of weapon systems and various types of ranges, there is not a standard program for the certification of OICs and RSOs. The outline is a guide for units, but it is the Battalions responsibility to create and oversee their specific safety certification program.

d. Once all requirements of the Battalion Safety certification program are met, the Battalion will certify the OICs and RSOs utilizing the Range Safety Appointment Form (Appendix I), this certification is valid for 1 (one) year. A copy must be sent to Range Control.

e. Before range operations begin, personnel designated as OIC and RSO must receive a Camp Edwards specific OIC and RSO safety briefing from Range Control, units may request a copy of the brief before arrival IOT familiarize themselves in Camp Edwards specific range information. Range Control will sign the Range Safety Appointment Form officially validating the personnel as approved OIC and RSOs on Camp Edwards, again the appointment is good for a one (1) year period.

f. The Range Control Officer will monitor the effectiveness of safety programs of OICs and RSOs.

g. The Range Control Officer has the authority to revoke the certification of any OIC or RSO for violating the requirements of AR 385-63, DA PAM 385-63, or this regulation.

h. OIC/RSO Appointment requirements:

Table 1-1  
OIC/RSO appointment requirements

Weapon system	OIC <sup>1</sup>			RSO <sup>1</sup>		
	OFF	WO	NCO	OFF	WO	NCO
Practice hand grenades; subcaliber training devices; laser devices; firing devices; simulators & trip flares; small arms and machineguns	X	X	E6	X	X	E5
Chemical agents and smokes <sup>2,6</sup>	X	X	E6	X	X	E5
Aerial gunnery & air defense weapons; flamethrowers; live grenades, grenade launchers, and grenade machineguns; live mines & demolitions; tank & fighting vehicle cannons; recoilless rifles.	X	X	E7	X	X	E6
Field artillery <sup>3</sup>	X	X	E7	X	X	E6
Mortars	X	X	E6	X	X	E6 <sup>7</sup>
ADA rockets and guided missiles.		X			X <sup>4</sup>	
Direct fire antitank rockets and missiles	X	X	E7	X	X	E6
Live-fire exercises using organic weapons, squad through company, battery, troop.	X	X	E7	X	X	E6
Combined arms live-fire exercises using outside fire support, troop, battery, squad, platoon, company; or battalion and larger. <sup>5</sup>	X	X	E7	X	X	E6

Notes:

<sup>1</sup> Civilians in the grade of GS-07 or above may act as OIC, and GS-05 or above or equivalent as RSO. Civilian contractors may act as OIC/RSO when approved by the installation commander and in accordance with Contract SOW.

<sup>2</sup> OIC and RSO must be nuclear, biological, and chemical (NBC) qualified when conducting NBC or smoke training.

<sup>3</sup> Use of E7s as OICs is authorized only when approved by the installation commander. Duties of the RSO are normally performed by either the battery executive officer or platoon leader.

<sup>4</sup> SRSO will be a field grade officer, CW4 or CW5 (Army), or civilian in the grade of GS-12 or above.

<sup>5</sup> OIC will be a field grade officer for battalion or larger CALFEX.

<sup>6</sup> RSO for Marine Corps will be E6 or above for practice hand grenades, Chemical Agents and Smokes. The installation commander may allow E5 to act as RSO for practice hand grenades, Chemical Agents and Smokes.

<sup>7</sup> RSO for Marine Corps can be E5 for mortar training activities.

#### **9-4. Range Safety**

All safety requirements contained in this regulation, in DA PAM 385-63 and the safety guidelines or warnings in the applicable weapon FMs and TMs, will be complied with. Safety equipment is the responsibility of the using unit.

- a. Blank adapters and MILES equipment will be removed from all weapons on the range.
- b. No running or horseplay on ranges.
- c. Personal weapons and ammunition will not be fired or brought to the range by unit personnel.
- d. Live ammunition will not be present at any location where blank ammunition is to be fired. The following must be complied with when using blank ammunition:
  - (1) Weapon systems will not be fired without an approved blank firing attachment (BFA).
  - (2) Do not fire small arms blank ammunition (5.56mm and 7.62mm) within 5 meters of personnel, a distance of 20 meters should be maintained when firing .50 cal machine gun blank ammunition. Unit commanders can increase the safety distance, but the minimum, as stated above, shall not be reduced.
  - (3) Proper PPE to include hearing protection, eye protection, and proper uniform to offer skin protection must be worn at all times.
    - e. All persons on the range, including visitors, will have hearing protection.
    - f. Camp Edwards does not require helmets to be worn on small arms ranges; however, individual OICs may require personnel training on their ranges to wear them.
    - g. The appropriate FMs/TMs for the weapons being fired and the range packet issued by Range Control must be present on the range.
    - h. Hourly radio communications with Range Control must be maintained.
    - i. No firing from 2300-0800 hours is authorized, units conducting firing after 1700 hours must ensure that they annotate it their RFMSS request. A Notice to Airmen (NOTAM) must be submitted by Range Control to the FAA.
    - j. Weapons cleaning material buckets with trash bags issued by Range Control must be present on the range.

#### **9-5. Unexploded Ordnance**

a. Unexploded Ordnance (UXO) is any explosive ammunition that has been fired or otherwise activated and has failed to detonate or any unidentified piece of ordinance. If a UXO is encountered or reported, the following procedure will be used:

- (1) Notify Range Control immediately. Do not pick up, move, or in any way disturb artillery or mortar projectiles, rockets, grenades, flares, pyrotechnic devices, combustible devices, blasting caps, or fuse devices. Any object not readily identifiable is to be considered and treated as a dud.
- (2) Duds will be disposed of only by qualified military explosive ordnance disposal personnel.
- (3) Suspected duds outside the marked impact area will be marked at a safe distance in a readily identifiable manner, and Range Control notified. A unit representative will remain on-site until a range inspector arrives or other instructions are given by Range Control.
- (4) Under no circumstances will personnel enter the impact area or go forward of a firing position to locate and mark a dud. A sketch map showing the approximate location of explosive duds will be prepared and given to Range Control.

#### **9-6. Misfires**

A misfire is a complete failure to fire. It is not a dud. Misfire procedures contained in the publications for the particular weapon system will be followed. The misfire will be returned to the Ammunition Supply Point (ASP). If ammunition personnel are not on duty, the misfire(s) will be kept at the range and under guard until proper personnel are available to accept the turn-in at the ASP.

#### **9-7. Malfunctions**

In the event of a weapon or ammunition malfunction other than routine cases, such as misfires and duds, the OIC will:

- (1) Suspend firing.
- (2) Ensure that the weapon and ammunition involved are retained intact.
- (3) Notify Range Control. Range Control personnel will then immediately notify the Range Control Officer, the Post Ammunition Officer, and the Range Safety Officer.



(4) Malfunctions involving weapons, ammunition, and/or explosives will be reported IAW AR 75-1. The ASP will be notified of all non-routine malfunctions.

(5) Continue with the exercise only after release authority has been granted by the Range Control Officer or his designated representative.

### **9-8. Ammunition, Pyrotechnics and Demolition Restrictions**

a. The only authorized weapon systems and ammunition can be found in the Camp Edwards data sheet (Appendix C). Other weapons systems may be approved by Range Control on a case-by-case basis. Members of training units will not bring privately-owned weapons or ammunition to ranges or training areas. Persons found with such items will be removed from the training area, and the Installation Commander will be notified.

b. All Mortar and artillery munitions are prohibited.

c. 7.62mm match-grade/special ball ammunition, delinked tracer ammunitions, 5.56 tracer ammunition are prohibited.

d. Chemical agents outside of the NBC training area are prohibited. Only Chemical Suppressants (CS) are authorized in the NBC area.

e. The use of all demolitions except for contracted UXO clearance is prohibited.

### **9-9. Field Ammunition Storage Area**

Field Ammunition Storage Area (ASA) will only be authorized by Range Control. Units that have a mission and are staffed by MOS Qualified personnel to operate a field ASA may request an area to conduct this operation. The using units must coordinate with Range Control before storing ammunition on a field site. A written request must be submitted to Range Control NLT 14 days before the event to establish a field ASA. Units will be required to comply with all the requirements listed in AR 190-11, AR385-64, DA PAM 385-64, and DA PAM 385-63. The minimum requirements for establishing a field ASP are as follows:

a. All vehicles used to transport ammunition and explosives will be inspected using DD Form 626 IAW DOD 4500.9R

b. Units will post a "restricted Area" sign where the ammunition is stored, appropriate fire, and chemical symbols will be posted IAW FM 4-30.13. Ammunition must be stacked on pallets or dunnage and separated by type and lot number. Ammunition will be covered by tarps.

c. Two strands of concertina wire must surround the ASA. The wire will be outlined with engineer tape or white reflective tape.

d. Security lighting during hours of darkness or reduced visibility is required.

e. At least two class 2A (10BC) rated portable fire extinguishers will be provided at the field ASA.

f. Two roving guards with weapons and loaded magazines (NOT IN THE WEAPON) will conduct continuous patrolling of the ammunition supply point. Guards will have operable flashlights, an access roster, and two means of communications.

g. The location of any field ASA will be determined by the Range Control Officer.

h. Distances between explosives, roads, buildings, and troops in the open will be determined with cooperation from the ASP and Range Control Officer.

i. The using unit Commander is responsible for safety, security, communications, and posting access at the field ASA, see AR 190-11 for further guidance.

### **9-10. Pyrotechnic and Less Than Lethal Ammunition**

a. The M116A1 hand grenade simulator (DODIC L601) and G878, Hand Grenade Fuse, M228 manufactured after 2009 are the only authorized pyrotechnic simulators for use at Camp Edwards. Prior coordination must be made with Range Control before use.

(1) The unit must request use in RFMSS NLT 45 days before the training event.

(2) Units must provide a copy of the Ammunition request DA 581 to Range Control before the event.

(3) The unit must provide a map overlay of areas of employment NLT 14 days before an event for approval.

(4) All DUDs will be treated as a UXO; units will comply with section 9-5 in this regulation.

(5) Comply with the minimum 30 meters SDZ, and ensure that all appropriate PPE is worn, as outlined in Range Controls hand grenade SOP.

(6) Units drawing hand grenade simulator will familiarize themselves with Range Controls hand grenade SOP on the use and safety measures required when operating the hand grenade simulator.

Contact Range Control at 339-202-9313 to request a copy of SOP.

(7) Individuals identified as “throwers” must receive a safety video from the ASP before drawing.

b. Percussion Activated Neutralizer (PAN) is authorized for use with prior coordination with range Control NLT 45 days before training events.

(1) Authorized DODICs for PAN use are AA64, AA66, MK277, M174, and MK34

c. Riot Control Agent (DODIC K765) is authorized for use in the NBC training area ONLY.

d. Less than lethal ammunition (LTLA), such as; Ultimate Training Munitions (UTM), Paintballs, and Simunitions, are authorized at Camp Edwards for force on force training. Prior coordination must be made with Range Control before use.

(1) Units must request use in RFMSS NLT 45 days before the training event.

(2) Units must provide a copy of the Ammunition request DA 581, DA 1687, assumption of command orders, and a UTM certified certificate must be turned in to Range Control or TSC before the event.

(3) UTM or SIMS certified personnel must be on-site during all training and follow all appropriate safety measures.

(4) When conducting force-on-force training, all personnel must wear proper PPE as outlined in Range Controls LTLA SOP.

(5) Comply with all SDZ's as outlined in Range Packets and SOP

(6) Ensure that upon completion of training, that all training areas and engagement areas have been policed of debris and brass and turned into the ASP.

(6) Units drawing LTLA will familiarize themselves with Range Controls LTLA SOP on the use and safety measures required when operating LTLA. Contact Range Control at 339-202-9313 to request a copy of SOP.

## **9-11. Vehicle Safety**

a. Seat Belts: Seat belts will be worn in all vehicles so equipped.

b. Kevlar/ACH: All personnel operating a military vehicle to include ATV, Rangers, etc., will wear a Kevlar, ACH, or an approved DOT helmet.

c. Alcohol: Alcoholic beverages will not be consumed, or transported, in military vehicles.

d. Cell Phones and other electronic media: Mandatory requirement on Camp Edwards for hands-free Cell phone usage while driving. The use of cell phones while driving Government vehicles is strictly prohibited.

e. Bivouac Guides: All vehicles entering a bivouac area after dark under blackout drive conditions must be preceded by a ground guide with a flashlight.

f. Speed Limits: Maximum vehicle speeds on hard surface roads are 25 MPH, and 15 MPH on improved and secondary roads unless otherwise posted. The maximum blackout drive vehicle speed is 10 MPH on all roads.

g. Convoy Operations: All convoy and night motor movements must be coordinated with Range Control. Units planning to conduct convoy operations and/or driver training are required to submit an overlay to Range Control at least 14 days before the move. Contact Range Control for further instructions on overlay requirements.

h. Roads: Night convoys are permitted on all roads contained within the training area IAW Range Control requirements.

i. Ground Guides: Ground guides are required to be present at the rear of any vehicle backing up.

j. Bivouacs: Vehicle movement at bivouac sites in the training areas will comply with the following additional guidance:

(1) Clearly marked dismount points will be established no closer than 50 meters from the perimeter of the bivouac site. ALL vehicles will be ground guided after passing the dismount point.

(2) No vehicle will be backed in the vicinity of a bivouac site without the use of front and rear ground guides.

(3) During hours of darkness, no vehicle will be moved in a bivouac site without a ground guide using a flashlight. Sleeping positions will be clearly marked within the bivouac site.

k. Track Vehicles:

(1) All track vehicles must travel with a minimum of two personnel (i.e., driver and vehicle commander). Personnel are required to have communications between driver and track commander. Radio communication is required between the lead and trail vehicle of each serial within a convoy.

(2) Dismounted guides must be employed at all times when moving in close quarters and bivouac areas.

(3) Track vehicles may operate on common user roads within the training areas; however, they must avoid operating inside training areas occupied by other units.

(4) Tracked vehicles are prohibited from operating on paved roads such as Frank Perkins, Greenway, and the main post. Tracked vehicles are authorized limited use of paved roads behind the UTES, Wash racks/fuel points, and Pocasset/Forestdale.

(5) Tracked vehicles crossing Frank Perkins Rd will do so at the approved cement-crossing pad. Tracked vehicles traveling on Pocasset/Forestdale must re-enter the tank trail via the cement-crossing pad at the junction of Frank Perkins and Pocasset/Forestdale. Neutral steering of tracked vehicles on approved paved roads is strictly prohibited.

I. Privately owned vehicles (POV): The Camp Edwards range complex is a restricted use area for privately owned vehicles and/or contractor-owned vehicles.

(1) Travel and Parking: Travel on Frank Perkins Road, up to Range Control, is authorized. Parking along the road is not authorized. Travel on Greenway Road, up to the USCG Transmitter Site, is authorized. Parking along the road is not.

(2) Temporary Pass: A temporary POV pass may be issued by Range Control, allowing a POV in a training area for a specific purpose. Temporary passes will be issued in limited numbers and only for valid reasons.

(3) Extended vehicle pass: An extended pass may be authorized on a case by case basis.

(4) Firing Ranges: The presence of an unauthorized POV on a firing range is a violation of this Regulation and may result in that range being ordered into a cold status until the owner is found and the POV removed from the range.

(5) Impact Area: A POV found on the perimeter of the impact area indicates that the owner may be in the impact area. Appropriate ranges will be immediately ordered to cease firing until the owner is found. Range Control will be notified immediately when this condition exists.

(6) Parking at Range Control: Parking in the Range Control parking lot is for employees and personnel on official business at Range Control only. Overnight parking is not allowed.

### **9-12. Foot Marches**

a. Coordination: Range Control must be notified of all foot marches at least 14 days prior.

b. Hard surface roads: foot marches on hard surface roads will face the flow of traffic, be as far off the road as possible, and will not exceed columns of two except on Frank Perkins Road, which must be single file. The column will have at least one person 25 meters ahead and one person 25 meters behind the main element to alert vehicle drivers that troops are on the road. At night, or low visibility hours, these personnel will have red lens flashlights.

c. Road crossings: when crossing hard surface roads, road guards will be positioned 100 meters in each direction from the crossing point on the hard surface road to warn other traffic. These road guards will wear reflective vests or traffic cross straps and will use flashlights.

d. Personnel: medical personnel must be present.

e. Training areas: foot marches can be conducted in any of the training areas.

f. A map overlay is required for all foot marches conducted in the Range Complex area. It must be submitted to Range Control NLT 14 days before the scheduled event.

### **9-13. Alcoholic Beverages**

Alcoholic beverages are expressly prohibited on all ranges and training areas to include TTB, LRC, the Obstacle Course, and Rappel Tower. Violation of this policy may result in the units revocation of all training requests and safety certifications and barment from requesting training in the future.

### **9-14. Fires**

**Open fires, open burning of oil, waste oils, or other POL is prohibited.** The use of devices with air emissions, other than vehicles, such as smudge pots and smoke generators are prohibited.

a. Anyone observing a fire on Camp Edwards will immediately contact Range Control giving a six-digit grid coordinate and/or a range or training area designation if possible. Do not leave the scene of a fire until permitted by Range Control.

- b. The JBCC fire department will be notified for all fires, only approved and trained fire fighting personnel are authorized to fight fires.
- c. No one will go down range on any range or enter the impact area to fight fires without the approval of Range Control.

### **9-15. UNSAFE Acts or Conditions**

Anyone observing an unsafe act or condition has the authority and obligation to call for an immediate cease-fire or halt to the training being conducted. If correctable on the spot, firing or training may resume after the OIC has verified that the unsafe condition no longer exists. If the condition cannot be rectified, Range Control will be notified. Firing may not resume until permission has been obtained from Range Control.

### **9-16. Civilians**

No civilian personnel will enter Camp Edwards Range Complex (ranges, battle positions, and training areas) without the expressed permission of Camp Edwards HQ and or Range Control. Civilians will then report to Range Control to complete a safety brief, get issued a vehicle pass, and sign a Camp Edwards Liability Release Form (Appendix M).

### **9-17. Prohibited Recreational Activities**

Certain recreational activities are prohibited on Camp Edwards, due to potential risks and conflicts with military training activities and potential damage to natural resources. These activities include, but are not limited to, motorcycling, recreational ATV use, mountain biking, horseback riding, camping, and building fires. Any person entering the training site for any purpose prohibited by law or lawful regulation is trespassing. It may endanger the life of the person entering the training site as well as potentially endangering the lives of the MAARNG and interfering with training. It is also essential to be aware of the Training Area Vehicle Policy. Due to the presence of hazards related to training activities, the Impact Area is always closed. Some possible threats to public safety related to training activities include live firing, training residue (i.e., unexploded ordnance, training fox holes), and training mechanisms (i.e., moving targets). All of these are potential hazards within and surrounding the Impact Area. For this reason, public access to the Impact Area is strictly prohibited, without exception.

### **9-18. Natural Hazards**

There are no poisonous animals native to Camp Edwards. However, ticks are in abundance and may carry disease. It is essential to conduct daily tick checks to identify and properly remove all embedded ticks. Although there are no native poisonous animals located on Camp Edwards, some may hitch a ride from other parts of the country or overseas. An example of such an animal is the brown recluse spider. They lurk in dark, confined spaces. When bitten, the bite quickly becomes necrotic, leaving a large abscess. Seek medical attention immediately.

### **9-19. Hazardous Materials**

Hazardous Materials are required to operate and maintain our equipment in support of military operations. However, we must be vigilant in recognizing that hazardous materials, although necessary, can have a negative impact on our environment and our health. Ensure that your UECO is familiar with all applicable requirements governing the use and handling of Hazardous Material and Wastes, specifically when training at Camp Edwards. The Camp Edwards Training area, also known as the Upper Cape Water Supply Reserve, is the primary recharge area of the Sole Source Aquifer of Upper Cape Cod. This aquifer is the source of clean drinking water today and into the future for the base and the whole of Cape Cod. Ensure that you schedule and receive the required Camp Edwards briefings prior to your training event. Also, make sure you have enough Soldier Field Cards for your whole unit, and that you have the 24-hour emergency contact numbers available should you have any issues, injuries, and/or spills.

### **9-20. Motorcycle Operations on Camp Edwards**

a. All personnel in the Massachusetts Army and Air Guard who operate motorcycles must maintain a valid driver's license with applicable motorcycle endorsement in their state of residence. Additionally, they must have successfully completed a motorcycle safety class sponsored by the Motorcycle Safety Foundation or an equivalent state-approved curriculum taught by a certified instructor.

b. All personnel will wear a Department of Transportation approved helmet, properly fastened under the chin, shatter-proof goggles, shatter-proof wrap-around glasses, or a full face shield attached to the helmet, full-fingered gloves, long-sleeved shirt or jacket, long trousers, Reflective outerwear (Reflective Vest, Reflective Belt or an outer garment with over 100 Square inches of Reflective material equal to a reflective belt), and boots or over-the-ankle shoes at the times while operating a moped or motorcycle.

c. Military personnel failing to comply with the requirements set forth in the JBCC Joint Traffic Plan 51-1 and this regulation may be subject to command discipline action. Additionally, if military personnel are not in compliance and injuries occur, their non-compliance may be considered as evidence in determining whether their injuries were incurred in the line of duty under applicable Line of Duty Regulations.

### **9-21. Use of Reflective Belt While Conducting Personal Physical Training Outdoors**

All personnel (civilian and military) conducting personal physical training (PT) outdoors on the installation are required to wear either a reflective belt or a reflective vest. When conducting an organized platoon level and above training, only road guards are required to wear either the reflective belt or vest. Any PT conducted in the Range Complex must receive prior authorization from Range Control.

### **9-22. Fire Detection Systems**

a. Each barrack and billet room has an installed fire detection system. Systems are also installed in various other facilities within the installation. The system may consist of smoke, heat, or water flow detectors. The detectors are hard-wired into the facility and are centrally monitored by the JBCC Fire Station. It is unlawful for any person to tamper with, bypass, or in any manner attempt to disable any fire alarm systems. Tampering with the sensor will result in an alarm at the central monitoring facility. Any costs for false activation will be the responsibility of the individual involved.

b. In the event of activation, an audible alarm will sound within the building. Upon activation, all personnel in the building will immediately exit the building and move at least 100 feet from the building. Personnel should remain near the facility so that it can be verified that they have indeed exited the building. In cases of inclement weather, personnel should move to the nearest shelter. It is the responsibility of the supervisor to determine the accountability of all personnel.

c. Each facility will develop an appropriate fire evacuation plan, which will be posted throughout the building. Full-time work areas will also develop an assembly plan to verify accountability following an evacuation. The Billeting Office will be responsible for the development and posting of the evacuation plan within the troop billets and barracks.

d. Smoking is not authorized in any Training Site facilities except for outdoor designated areas. Smoke may activate alarm systems in the buildings. Any cost incurred to reset and clean the system will be the responsibility of the violator.

e. Report any discrepancies with any alarm systems to the Directorate of Logistics at 508-968-5890 or JBCC Fire Station at 508-968-7998.

## **Chapter 10 Emergency Services**

### **10-1. Emergency Procedures**

a. If a medical emergency occurs within the range or training areas, Range Control will be notified and will coordinate patient medical evacuation (MEDEVAC) with the JBCC fire department. The following procedures concerning patient evacuation will be utilized:

(1) Under no circumstances will personal information identifying the casualty be transmitted over the radio net.

(2) The JBCC Fire Department will be notified of all injuries that require medical attention. JBCC Fire Department will make determination if the patient can be self transported to a medical facility by the unit. JBCC Fire Department's contact number is 508-968-4218 or 911.

(3) The unit will maintain communication with Range Operations, by either telephone or radio, with the person making the request for patient evacuation.

(4) Units with organic medical vehicles and personnel are expected to use them when ground evacuation is required in coordination with Range Control and the JBCC fire department.

(5) If the unit does not have the capability to transport the casualty, personnel from the unit must be prepared to meet the medical personnel and evacuation vehicle at a readily identifiable location and guide them to the casualty. Range Operations will assist in coordinating the evacuation.

b. If a medical emergency occurs within the cantonment area (i.e., barracks, TSC training facilities, etc...), Plans and Training Directorate and/or Camp Edwards Operations Section will be notified and will coordinate patient MEDEVAC with the JBCC Fire Department. The Plans and Training Directorate can be contacted at 508-968-5888 or 508-968-5802.

c. If contact is not made with Plans and Training Directorate and/or Range Control, contact the Camp Edwards Command Section at 508-968-5885 or 508-968-5887.

## **10-2. Accident/Incident Reporting**

All accidents will be reported to the proper authority (Camp Edwards HQ, Range Control, etc.) in accordance with AR 385-40, Accident Reporting and Records, or other applicable service regulations dependent on the requirements of the service member involved. The unit will be required to complete a DA Form 285-AB-R, US Army Abbreviated Ground Accident Report, for the accident/injuries, and provide a copy to the appropriate reporting authority.

a. An accident may be defined as any operation that results in injury to persons or damage to property. An incident is considered a violation of regulation or a potentially dangerous situation that could have, but did not result in, an accident. A serious incident is any incidents were an individual is injured, fatality, fire, damage to military equipment or property, etc. When an incident occurs, it must be reported as soon as possible. To report an incident, the following procedures have been established.

(1) Complete an incident form or serious incident report depending on the nature of the incident.

(2) If a serious incident occurs, notify Range Control and/or the Plans and Training Directorate telephonically, depending on the location of the incident.

(3) Forward the original report of the incident to the Camp Edwards Operations Section for appropriate action/distribution. JFHQ needs to be notified of all serious incidents IAW TAG CCIR's.

b. All vehicle accidents on the installation will be reported to and investigated by the Massachusetts State Police. Reports other than the Military Police Report and Traffic Accident Report will be the responsibility of the unit involved. Copies of all reports will be provided to the appropriate unit. These reports will assist the unit in conducting their investigation.

c. Emergency contact numbers are as follows:

(1) JBCC Fire Department at 508-968-4218 or 911

(2) Range Operations Staff at 339-202-9313 or 339-202-9374

(3) Range Operations Officer at 339-202-9306

(4) Operations Plans and Training Officer at 339-202-9303 or 339-202-9307

(5) Command Staff at 339-202-9301 or 339-202-9308

(6) JFHQ Joint Operation Center (JOC): [EOCMA@ng.army.mil](mailto:EOCMA@ng.army.mil)

## **10-3. Mental Health and Human Resources**

a. Units must plan for the following contingencies during their planning process by utilizing organic assets first; suicide prevention, sexual assault, substance abuse, domestic abuse, and equal opportunity (EO). Emergency contact numbers are as follows:

(1) MAARNG Sexual Assault Response Coordinator (SARC) at 508-889-6644

(6) USCG Chaplain Support (Sector 1) at 774-392-3530

## **10-4. Closing Due To Inclement Weather**

a. Periodically it may be necessary to close Camp Edwards during periods of inclement weather. Consideration for closing will be based upon the safety of employees, the safety of the general public, the ability of a sufficient number of employees to arrive at work, and the ability for adequate snow removal.

b. The Post Commander or his representative will record a message for the Snow Phone. Base Personnel will be advised to call the Snow Phone, 339-202-9393, for further information. Due to the number of personnel at Camp Edwards and the various tenant activities, it is not possible to personally notify each individual.

c. Additionally, personnel should not jeopardize safety to report to work or training when conditions are adverse. Due to geographical disbursement of personal residences, conditions may not be the same at home as they are at Camp Edwards.

d. In certain instances, critical employees may be required to report for work (i.e., Security or Roads & Grounds Personnel). In these instances and when road conditions will not warrant using personal vehicles, the Post Commander may designate official transportation to bring employees to their place of work and back safely.

#### **10-5. Structural or Wild Fires**

a. In the event of a structural fire personnel should immediately call 911 to notify the fire department and execute the structure specific evacuation plan. The organization signed for the building will establish accountability for all personnel and the senior ranking individual will meet with the fire department once they arrive and report the current situation. The organization will also report the incident to HQ Camp Edwards at 774-286-1373 and file an incident report.

b. In the event of a brush or wildfire the incident will immediately be reported to range operations (339-202-9313) and the fire department (911). The unit will then move to a safe distance and establish accountability. A unit representative will meet with Range Operations and the Fire Department once on scene to report the situation. JBCC Fire has priority of control in determining the resources required to extinguish the fire. At no time will an organization attempt to extinguish a fire without first reporting to range operations.

### **Chapter 11 USCG Morale, Welfare, and Recreation Facilities**

#### **11-1. Unit Parties**

a. Unit parties or other types of recreational unit events are not authorized in the barracks on Camp Edwards.

b. A letter of request must be submitted to the Plans and Training Directorate no later than 72 hours prior to the event. Fields in the cantonment area and other Camp Edwards facilities may be used for unit activities with prior coordination and approval. The request must include the following information.

(1) Proposed start time, end time, and date of the event.

(2) Location of the event.

(3) The number of personnel attending.

(4) If civilian guests will be invited, and if so, please state the approximate number of personnel and their anticipated arrival and departure times.

(5) If alcoholic beverages will be made available.

(6) Points of contact and telephone numbers of personnel that will be available to provide further information prior to and during the event.

c. Guests may not remain overnight. The appropriate unit Commander will be responsible for the security, safety, and conduct of all guests within their unit area.

#### **11-2. Physical Training**

a. Individual physical training (PT) may be conducted within the Cantonment Area. There is a marked running track north of the Base Gym. It is required that persons conducting individual training on roadways wear reflective garments and light-colored, highly visible clothing. Extreme caution must be taken during the hours of darkness. At a minimum, reflective vests will be worn during darkness.

b. Unit PT formations on roadways must be approved by the Plans and Training Directorate; road guards will be used. Reflective vests and flashlights are required during non-daylight hours. Units should be aware that heavy traffic occurs on Connery Avenue and Generals Boulevard from the hours of 0630 to 0800 and 1515 to 1645 hours daily.

c. The authorized testing courses for the Army Physical Fitness Test (APFT) is located north of the Base Gym. Unit APFTs will not be conducted on the old APFT course due to safety constraints. (West Truck Road, Beaman Street, West Outer Road, Gaffney Street)

d. Bike riding is authorized within the Cantonment Area, Frank Perkins and Greenway Roads provided no convoy training is ongoing. Call Range Control at 339-202-9313, prior to riding north of Connery Avenue. Bicyclists will adhere to all traffic laws and will ride on the right side of the roadway. Reflective clothing, rear lights, and a headlight are required during nighttime hours. The use of bike helmets is required.

e. Weights and other physical training equipment are available for troop use in the Base Gym. Unit access must be coordinated with the Billeting Office. This facility may be drawn under the same procedures as any other troop issue building.

### **11-3. Swimming**

Swimming in rivers, streams, lakes, or ponds on Camp Edwards is prohibited. A swimming pool is located behind the Crosswinds Club; usage shall be coordinated through the USCG. Units sponsoring swimming activities at off-post areas should conduct an accurate risk assessment and make every effort to provide for safety support. Extreme caution should be used when conducting any activity involving swimming when alcohol is involved.

### **11-4. ATV Use**

All-terrain vehicles (ATVs), including snowmobiles, with the exception of Range Control and EPO ATVs, are prohibited from operation on Camp Edwards.

### **11-5. Coast Guard Exchange System**

The Coast Guard Exchange System (CGES) is a military exchange system similar to Army Air Force Exchange System (AAFES) or the Navy Exchange (NEX) that provides goods and services to military members at competitive rates and tax-free. The CGES (Building 5203) is comprised of the Main Exchange, Grocery and Package store, Mini-mart (Building 5204), convenience store, as well as ten concessions providing a variety of services to military patrons. A portion of each sale made is funneled back into the community through the MWR program. The following is a list of Exchange stores and their operating hours.

a. Main Store: Sunday, 10:00 AM to 6:00 PM and Monday to Saturday, 8:00 AM to 8:00 PM. 508-563-2495.

b. Grocery Store: Sunday, 10:00 AM to 6:00 PM and Monday to Saturday, 8:00 AM to 8:00 PM. 508-563-2587.

c. Barber Shop (in the rear of Main Store): Monday to Friday, 9:00 AM to 5:00 PM and Saturday, 8:30 AM to 2:30 PM. 508-563-1071.

d. Mini-Mart: Sunday, 6:30 AM to 6:00 PM, Monday to Thursday, 6:30 AM to 9:00 PM and Friday and Saturday 6:30 AM to 9:00 PM. 508-564-6153.

### **11-6. Falcon Golf Course**

The Falcon Golf Course located at 3352 Gunther Road and is a nine-hole facility with the best rates available on Cape Cod. The course consists of two par 5, five par 4, and two par three holes. As an eighteen-hole course, it is 6,706 yards long and has a par of 72. The Golf Course also encompasses a driving range and a putting green. The pro shop offers golf carts, pull carts, rental clubs, and demo clubs. The contact number is 508-968-6453. Golf lessons are also available. There is also a Club House with a snack bar with a contact number of 508-968-6454; hours of operations are from 10:00 AM to 2:00 PM. Catering is also available at 508-968-6478.

### **11-7. Crosswinds Activity Center**

The Crosswinds Activity Center is located at 5210 East Hospital Road and is host to a variety of activities and programs. The Center includes:

a. Crosswinds Diner with pizzas, burgers, hot dogs, fries, and more. The contact number is 508-968-6517, with operating hours of, Wednesday through Saturday from 4:00 PM to 9:00 PM.

b. Crosswinds Pub is a fully stocked bar with televisions, dart boards, and a pool table. The hours of operation are Wednesday and Thursday from 4:00 PM to 9:00 PM and Friday and Saturday from 4:00 PM to Midnight.

c. Six lane Bowling Center, four with bumpers. The operating hours are Wednesday and Thursday from 4:00 PM to 9:00 PM, Friday from 4:00 PM to 10:00 PM, and Saturday from 2:00 PM to 10:00 PM at 508-968-6477.

d. The five-lane outdoor heated Swimming Pool is open from mid-June to Labor Day. For information regarding the pool call 508-968-6476.



### **11-8. USCG Chapel**

Located on South Inner Road, 508-968-6343.

## **Chapter 12**

### **Miscellaneous**

#### **12-1. Smoking Policy**

Smoking is prohibited throughout all Training Site buildings to include barracks and billet rooms. This policy applies at all times, regardless of when the facility is being used. Smoking may be permitted outside of the building in a designated area only. Smoking materials will be disposed of properly in appropriate receptacles prior to entering any building. Additionally, smoking in government vehicles is prohibited in accordance with Army Regulation 385-55.

#### **12-2. Camp Edwards Mailing Address and Incoming Mail**

a. Camp Edwards operates a mail distribution point at building 102 for tenant units and units conducting Annual Training.

b. Units conducting Annual Training will provide an accurate personnel roster and designate a mail clerk with two copies of a DD Form 285 (One to be kept on file at Headquarters, the other carried by the clerk for identification purposes.)

c. Incoming mail shall be addressed as:

Name of Soldier

Unit

Building 102 26<sup>th</sup> Yankee Division Blvd.

Camp Edwards MA 02542

d. Incoming mail will be distributed from 1300 to 1600, Monday through Friday.

e. Outgoing mail from units and personnel in training can be deposited in the mailbox outside the USCG Commissary/PX (Building 5203), or at the mail center in Headquarters (Building 102) no later than 1330 with proper postage affixed. Units should ensure they bring enough postage to last the duration of the training period. Outgoing packages must be brought to a post office off base for handling.

f. Tenant Agencies/ Activities will process mail through the mail center at Headquarters.

#### **12-3. Copiers, Faxes, and Scanners**

Two copiers with fax capabilities, and one scanner attached to RCAS, are available at the Headquarters building for reasonable uses. Units must bring their own paper.

#### **12-4. Dog Tags**

A dog tag making machine is available M-F 1000-1400 at Camp Edwards, HQ (102 Yankee Division Boulevard). Units must provide the tags and chains. Call 339-202-9386/9312 for scheduling.

#### **12-5 DoD Identification (CAC) Cards**

Appointments to obtain DoD CAC cards can be made by calling 508-968-6318 (USCG building 5215) or 508-968-4180 (ANG).

## **Appendix A References**

### **Section I Required Publications**

#### **AR 200-1**

Environmental Protection and Enhancement

#### **AR 215-1**

Military Morale, Welfare, and Recreation Programs and Nonappropriated Fund Instrumentalities

#### **AR 385-40**

Accident Reporting and Records

#### **AR 385-63**

Range Safety

#### **AR 600-8-3**

Unit Postal Operations

#### **AR 710-2 w/change 1**

Supply Policy below the National Level

#### **AR 735-5**

Policies and Procedures for Property Accountability

#### **Camp Edwards Billeting SOP**

#### **Civilian Use Manual**

#### **DA PAM 385-63**

Range Safety

#### **DA Pam 710-2-1**

Using Unit Supply System (Manual Procedures)

#### **DFAS-IN Regulation 37-1**

Finance and Accounting Policy Implementation

#### **JFTR Volume 1**

Joint Federal Travel Regulations

#### **JTR Volume 2**

Joint Travel Regulations

#### **JBCC Incident Response Plan**

#### **JBCC Joint Traffic Plan 51-1**

**NGR 210-50**

Chargeable Transient Quarters and Billeting Fund Management

**NGR-420-10**

Facilities Engineering - Construction and Facilities Management Office Operations

**TAGMA PAM 405-01-1**

Non-Military Use of Armories

**Section II****Related Publications****AR 25-30**

The Army Publishing Program

**AR 190-11**

Physical Security of Arms, Ammunition, and Explosives

**AR 190-51**

Security of Unclassified Army Property

**AR 385-10**

Army Safety Program

**DA Pam 25-40**

Army Publishing: Action Officers Guide

**Section III****Prescribed Forms**

Except where otherwise indicated below, the following forms are available on the AKO, AHP, and APD web sites.

**Section IV****Referenced Forms**

Except where otherwise indicated below, the following forms are available on the AKO, AHP, and APD web sites

**DA Form 285-AB-R**

US Army Abbreviated Ground Accident Report

**DA Form 581**

Request for Issue and Turn-In Of Ammunition

**DA Form 1594**

Daily Staff Journal or Duty Officer's Log

**DA Form 1687**

Notice of Delegation of Authority - Receipt for Supplies

**DA Form 2028**

Recommended Changes to Publications and Blank Forms

**DA Form 5513-R**

Key Control Register and Inventory

**DD Form 285**

Appointment of Military Postal Clerk

**DOL Form A****Appendix B****Points of Contact****ALL TELEPHONE NUMBERS ARE COMMERCIAL 339-202-XXXX**

<b>COMMAND STAFF:</b>	Phone	Building
Post Commander:	9301	102
Deputy Commander:	5885	102
Post CSM:	5900	102
<b>DIVISION OF PLANS AND TRAINING:</b>		
Operations and TNG Officer:	9302	102
Plans and Training Officer:	9303	102
Senior Operations SGT:	9307	102
Readiness NCO:	9312	102
<b>TRAINING SUPPORT CENTER:</b>		
Training Technician:	9311	3495
Training NCO:	9320/9396	3495
<b>RANGE CONTROL:</b>		
Range Officer:	9306	4020
Range NCOIC:	9310	4020
Fire desk OPS	9313	4020
<b>FACILITY ENGINEERS:</b>		
Facility Manager:	9305	2808
Engineer Management Specialist:	9331	2808
Roads and Grounds:	9355	2808
<b>INSTALLATION SECURITY OFFICE:</b>		
NCOIC/Point of Contact:	5172	1254
<b>ENVIRONMENTAL &amp; READINESS CENTER:</b>		
Deputy Director:	3980	3486
Community Involvement Manager:	9369	1204
<b>DIVISION OF LOGISTICS:</b>		
NCOIC:	9308	3469
Fuel & Distribution:	9324	3469
Billeting Office:	9398	4180
Warehouse:	9315	3461
Unit Supply NCO:	9316	3461
Ammo Supply Point:	9314	4030

<b>UTES (Unit Training Equipment Site):</b>		
Supervisor:	5875/5876	4601
<b>3-126 AV BATTALION:</b>		
Battalion Commander:	9505	2822
Training Officer:	9504	2822
Training NCO:	9503	2822
<b>PUBLIC AFFAIRS:</b>		
State Public Affairs Officer:	3950	

## **Appendix C**

### **Ammunition Approved For Camp Edwards**

Reviewed JAN 2020

All Tracers on Camp Edwards are Temporarily Restricted; all use must be preapproved by the Range Control.

Pistol ammunition other 9MM Ball must be pre-approved by Range Control prior to use on STAPP System Ranges (Juliet and Kilo Ranges)

#### **Authorized for Echo Range only:**

A363, CTG, 9MM Ball, XM/M882  
AA49, CTG, 9MM Ball, M882  
CTG, .22 CAL Ball  
CTG, .38 CAL Ball  
CTG, .40 CAL Ball  
CTG, .45 CAL Ball

#### **Authorized for India Range only:**

AB57, CTG, 5.56MM Ball, M855A1 Enhanced Performance Round  
AB58, CTG, 5.56MM Ball, M855A1 Enhanced Performance Round  
AB56, CTG, 5.56MM Ball, Copper M855A1 Linked  
AB77, CTG, 5.56MM, M855A1 Enhanced Performance Round.  
AB79, CTG, 7.62MM Ball, Lead-Free M80A1 Linked

#### **Authorized for J, K, &T Ranges only:**

A091, CTG, CAL .22, LR Ball  
A363, CTG, 9MM Ball, XM/M882  
AA49, CTG, 9MM Ball, M882  
CTG, .22 CAL Ball  
CTG, .38 CAL Ball  
CTG, .40 CAL Ball  
CTG, .45 CAL Ball  
A059, CTG, 5.56MM Ball, M855 Clipped  
A062, CTG, 5.56MM Ball, M855 Linked (Camp Edwards Temporary Restriction)  
A063, CTG, 5.56MM Tracer, M856 Single Round (Camp Edwards Temporary Restriction)  
A064, CTG, 5.56MM 4 Ball, M855 / 1 Tracer M856 (Camp Edwards Temporary Restriction)  
A071, CTG, 5.56MM Ball, M195 Clipped  
AA33, CTG, 5.56MM Ball, M855 (Commercial Pack)  
A128, CTG, 7.62MM Ball, M80 Linked (Camp Edwards Temporary Restriction)  
A131, CTG, 7.62MM 4 Ball, M80 / 1 Tracer M62 (Camp Edwards Temporary Restriction)  
A136, CTG, 7.62MM Ball, M118 Match Single Round

#### **Authorized for Lima Range only:**

B519, CTG, 40mm Training Practice (TP) Round, M781

#### **Authorized for Sierra Range only:**

AB57, CTG, 5.56MM Ball, M855A1 Enhanced Performance Round

AB58, CTG, 5.56MM Ball, M855A1 Enhanced Performance Round  
AB77, CTG, 5.56MM, M855A1 Enhanced Performance Round

**Authorized in Training Areas:**

A075, CTG, 5.56MM Blank M200 Linked  
A080, CTG, 5.56MM Blank Single Round  
A111, CTG, 7.62MM Blank M82 Linked  
A502, CTG, 5.56MM Blue UTM  
A503, CTG, 5.56MM Red UTM  
A506, CTG, 5.56MM Blue UTM Linked Saw  
A507, CTG, 5.56MM Red UTM Linked Saw  
A598, CTG, CAL .50 Blank M1E1 Linked  
A599, CTG CAL .50 Blank M1E1 Linked  
C025, CTG, 75MM Blank M337A2 (Salute Round)  
C440, CTG, 105MM Blank M395 (Salute Round)  
K765, Riot Control Agent, CS (Capsules) **NBC AREA ONLY**  
L601, Hand Grenade Simulator, M116A1  
G878, Hand Grenade Fuse, M228  
Simunitions FX Man Marking Round (All colors permissible)  
CTG, 9mm  
CTG, 5.56mm

**Authorized, but must be pre-approved for use by Range Control:**

A010, CTG, 10 Gauge Blank / SubCal Salute M220 (Ceremonial Use)  
A065, CTG, 5.56MM Single Round M862 Single Round (Plastic)  
AB66, CTG, 5.56MM Linked, Short-Range Training Ammunition XM1037  
AB67, CTG, 5.56MM Single Round, Short-Range Training Ammunition XM1037  
A065, CTG, 5.56MM Single Round, Short-Range Training Ammunition, M862  
AB66, CTG, 5.56MM Linked, Short-Range Training Ammunition XM1037  
AB67, CTG, 5.56MM Single Round, Short-Range Training Ammunition XM1037  
AZ47, CTG 5.56MM Linked, Short-Range Training Ammunition XM1037  
AA37, CTG 7.62MM 4 Ball Short-Range Training Ammunition M973/1 Short-Range Training Ammunition -  
Tracer M974 Linked M13 (Camp Edwards Temporary Restriction)  
AA39 - CTG 7.62MM 4 Short-Range Training Ammunition M973/1 Tracer M974 Linked M13 (Camp  
Edwards Temporary Restriction)  
A602, CTG, .50 CAL, 4 Ball, M858 / 1 Tracer M860 W/M9 Linked Plastic, Short-Range Training  
Ammunition (Camp Edwards Temporary Restriction)  
A603, CTG, .50 CAL TP M858 Linked, Short-Range Training Ammunition  
A136, CTG, 7.62MM Ball M118 Match Single Round  
B519, CTG, 40MM TP MT81 (Practice Round)  
A010, CTG, 10 Gauge Blank / Sub Cal, M220 (Salute / Ceremonial Use)

**Percussion Activated Neutralizer**

AA64, CTG, MK276, 12 Gauge Low-Velocity Blank  
AA66, CTG, MK278, 12 Gauge Non-lethal Blank  
MK277, CTG, 12 Gauge Enhanced Blank  
M174, CTG, .50 CAL Blank, Electric Initiated  
MK34, Pyrotechnic Lead

**Must be pre-approved by Range Control and the EMC will be notified when the following items are to be used in the Training Area / Reserve:**

C025, CTG, 75MM Blank, M337A2 (Salute / Training Round)

C440, CTG, 105MM Blank, M395 (Salute / Training Round)



## **Appendix D**

### **Southern Training Areas (Cantonment)**

#### **1000 Training Area**

A rural/urban setting in the cantonment area, it features buildings for classroom/administration and a 10-acre field south of the buildings. The USCG Chapel is located in this area. The 38-acre flat landscape area is on the north side of South Outer Road immediately after the sharp curve in the road. The area has temporal restrictions (1 May - 31 July) for bird habitat north of South Inner Road.

#### **1100 Driver Training Area**

A rural/urban setting in the cantonment area, it features a 500-meter paved track surrounded by low concealing shrubs. The track is suitable for driver training or assembly. The 25-acre flat landscape area is on the south side of South Outer Road immediately after the sharp curve in the road.

#### **1200 Training Area**

An urban setting in the cantonment area, it features several classrooms, administration buildings, supply buildings, a dining facility, a chapel, the Simulation Center, and 5 TOC pads. The 24-acre flat landscape area is on the southeast side of the Beaman Street / West Outer Road intersection.

**Restrictions:** Temporal restrictions (1 May - 31 July) for bird habitat north and east of TOC pads.

**Facilities:** 5 classroom buildings, 17 administration buildings, nine supply buildings, a chapel (Building 1201), 5 TOC pads, the Battle Simulation Center (Building 1206), the Simulation Center annex (Building 1213).

**Landscape:** Flat.

**Acreage:** 24 (23, according to RFMSS).

**Roads:** No maneuver roads.

**Training Activities for this Area Include** Artillery RSOP, Common Task Training, Other Mission Essential Tasks.

#### **1300 Training Area**

**Introduction:** The 1300 Area is a field in the cantonment area of Camp Edwards. This area features three buildings for classroom or MOUT operations. The field is suitable for assembly and is open year-round.

**Directions:** From Main Gate, take Connery Ave to the main rotary. Take the first right onto West Outer Road. Training Area 1300 is on the right southwest of the Beaman Street / West Outer Road Intersection.

**Restrictions:** USDA Research Center is off-limits.

**Facilities:** Large field, three buildings.

**Landscape:** Flat.

**Acreage:** 40

**Roads:** No maneuver roads.

**Training Activities for this Area Include**

Artillery RSOP,

Assembly Operations,

Common Task Training,

MOUT Operations,

And Other Mission Essential Tasks.

#### **1400 Training Area**

**Introduction:** The 1400 Area is a field in the cantonment area of Camp Edwards. Declination Station 3 is located in this area. Available 1 August - 30 April.

**Directions:** From Main Gate, take Connery Ave to the main rotary. Take the first right onto West Outer Road. Training Area 1400 is on the left across from the 1500 area.

**Restrictions:** Temporal restrictions for bird habitat (1 May - 31 July).

**Facilities:** Declination Station 3.

**Landscape:** Flat

**Acreage:** 27 (28 According to RFMSS)

**Roads:** No maneuver roads

**Training Activities for this Area Include** Artillery RSOP, Assembly Operations, Battlefield Operations, Common Task Training, Land Navigation, Other Mission Essential Tasks.

### **1500 Training Area**

**Introduction:** The 1500 Area is a field in the cantonment area of Camp Edwards. The field is available from 1 August - 30 April.

**Directions:** From Main Gate, take Connery Ave to the main rotary. Take the first right onto West Outer Road. Training Area 1500 is on the right after the 1700 area.

**Restrictions:** Temporal restrictions (1 May - 31 July) for bird habitat east of West Truck Road. The Groundwater Treatment Plant is off-limits.

**Facilities:** Declination Station 3.

**Landscape:** Flat.

**Acreage:** 35

**Roads:** No maneuver roads.

**Training Activities for this Area Include** Assembly Operations, Other Mission Essential Tasks.

### **1600 Training Area**

**Introduction:** The 1600 Area is a field in the cantonment area of Camp Edwards. Available 1 August - 30 April.

**Directions:** From the Main Gate, follow Connery Avenue to the Main Rotary. The 1600 area is accessible via either the first or second right off rotary.

**Restrictions:** Temporal restrictions for bird habitat (1 May - 31 July).

**Facilities:** none.

**Landscape:** Flat.

**Acreage:** 15

**Roads:** No maneuver roads.

**Training Activities for this Area Include** Assembly Operations, Other Mission Essential Tasks.

### **1700 Training Area**

**Introduction:** The 1700 Area is a field east of West Truck Road in the cantonment area of Camp Edwards. There is also a heavily wooded area in the western portion of the training area.

**Directions:** From Main Gate, take Connery Ave to the main rotary. Take the first right onto West Outer Road. Training Area 1700 is on the right after the Welcome Center.

**Restrictions:** Temporal restrictions for bird habitat (1 May - 31 July) east of West Truck Road. The Groundwater buildings are off-limits.

**Facilities:** None.

**Landscape:** Flat.

**Acreage:** 42

**Roads:** No maneuver roads.

**Training Activities for this Area Include** Assembly Operations, Battlefield Operations, Land Navigation, And Other Mission Essential Tasks.

### **1800 Training Area**

**Introduction:** The 1800 Area is on the outskirts of the cantonment of Camp Edwards. It is adjacent to a capped landfill, which is off-limits. This area features the Base Gymnasium (Building 4180), the APFT Running Track (located behind the Gymnasium), and a ball field located west of the Gymnasium on Connery Avenue, and Building 1805 which has a classroom/conference room with audio/visual equipment.

**Directions:** Connery Avenue. The 1800 area is on the northern side.

**Restrictions:** Temporal restrictions for bird habitat (1 May - 31 July) south of Connery Avenue. The landfill is off-limits—no vehicles on APFT Running Track.

**Facilities:** Base Gymnasium (Bldg. 4180): The APFT Running Track: The Ballfield: Visitor's Center (Bldg. 1805).

**Landscape:** Flat.

**Acreage:** 118

**Roads:** No maneuver roads.

**Training Activities for this Area Include** Artillery RSOP, Battlefield Operations, Common Task Training, Land Navigation, And Other Mission Essential Tasks.

### **2800 Training Area**

**Introduction:** The 2800 Area contains Army Aviation, **Facilities Engineering**, and FMS Camp Edwards.

**Directions:** From Main Gate, take Connery Ave to the main rotary. Take the second right, and hang left at the v intersection to continue onto Richardson Road. The 2800 area is past the General's Boulevard intersection.

**Restrictions:** Temporal restrictions for bird habitat (1 May - 31 July) south of Richardson Road. Runway and aprons are controlled areas.

**Facilities:** None.

**Landscape:** Flat.

**Acreage:** 76

**Roads:** No maneuver roads.

**Training Activities for this Area Include** Assembly Operations, Common Task Training, and Maintenance – Heavy, Other Mission Essential Tasks.

### **3400 Training Area**

The 38-acre area is a field in the cantonment area that is suitable for assembly year-round. This area contains TSC, which has classrooms, a Call for Fire Trainer, and small arms simulators, as well as the USCG Indoor Range and a railroad loading dock. It is located northeast of Lee and Turpentine Roads.

### **3500 Training Area**

The 37-acre area is on the outskirts of the cantonment area has the shoot house and fenced, paved motor pools. In addition, the Counter IED Lane, a critical facility for the implementation of Army Warrior Tasks and Battle Drills, is temporarily housed here. One of the parking lots has markings for a motorcycle training course. It is located south of the intersection of Connery Avenue and Turpentine Road.

### **5200 Training Area**

The 63-acre area is the location for troop barracks, with several sizeable paved parking areas suitable for assembly. It also contains the Troop Medical Clinic on Turpentine Road, 5218 DLC, two dining halls, RTI classrooms, and a variety of recreational facilities, including ball fields, billiards, ping pong, horseshoes,

volleyball, and a movie theater. The area is southeast of the Lee and Turpentine Road intersections.

**5500 Training Area**

The 59-acre area is the location of BOQ/BEQ housing on Norstad Street.

## Appendix E

### Northern Training Areas (Range Complex)

For more information, contact Range Control at 339-202-9313. Schedule through **RFMSS**.

#### Alpha 1

**Introduction:** Training Area A1 is accessed via Frank Perkins Road through Training Area A-2 (there is no access from Connery Avenue). Barnstable Correctional Facility is adjacent and emits light that may interfere with night training. This area features Land Navigation Course 3 (8 lanes). Adjacent Training Areas: A-3, A-2, BA-3.

**Directions:** Directions from Range Control: Drive 1.5 miles south on Frank Perkins Road. Turn right onto Estey Road and drive 0.7 miles west. The training area is in the southwest corner of the intersection of Estey and Pew Roads.

**Restrictions:** Barnstable Correctional Facility is off-limits

**Facilities:** The Land Navigation Course 3 is reserved separately from the Training Area.

**Landscape:** Moderate Hills

**Acreage:** 261 (257)

**Roads:** Maneuver roads (4.9 kilometers) are limited to the perimeter of the training area except for the powerline service road

**Training Activities for this Area Include** Army Warrior Task and Battle Drills, Artillery RSOP, Assembly Operations, Battlefield Operations, Land Navigation, Other Mission Essential Tasks.

#### Alpha 2

**Introduction:** Training Area A2 is accessed from Frank Perkins Road. This area features Land Navigation Course 1 (4 lanes). There are two small bivouac areas, and a loop of the combat trail intersects this training area. Barnstable Correctional Facility is close by and emits light that may interfere with night training. Adjacent Training Areas: A-1, A-4, BA-3, BA-1.

**Directions:** Directions from Range Control: Drive 1.5 miles south on Frank Perkins Road. Proceed to Estey Road. The training area is in the southwest corner of the intersection with Estey Road.

**Restrictions:** Barnstable Correctional Facility is off-limits

**Facilities:** The Land Navigation Course 1 is reserved separately from the Training Area.

**Landscape:** Moderate Hills

**Acreage:** 216 (226)

**Roads:** Maneuver roads (5.6 kilometers) are concentrated in the southeast corner of the training area

**Training Activities for this Area Include** Army Warrior Task and Battle Drills, Artillery RSOP, Assembly Operations, Battlefield Operations, Land Navigation, Other Mission Essential Tasks.

#### Alpha 3

**Introduction:** Training Area A3 is accessed via Frank Perkins Road through Training Area A4. This area has a small bivouac site in the northwest corner that is adjacent to the combat trail. Adjacent Training Areas: A-5, A-4, A-1.

**Directions:** Directions from Range Control: Drive 1.5 miles south on Frank Perkins Road. Turn left on Estey Road and drive 0.66 miles west until the intersection of Estey and Pew Roads. The training area is in the northwest corner of the intersection.

**Restrictions:** **ASP** is off-limits

**Facilities:** Combat Trail

**Landscape:** Moderate Hills

**Acreage:** 253 (249)

**Roads:** Maneuver roads (4.3 kilometers) are limited to the perimeter of the training area except for the power line service road which is also the combat trail

**Training Activities for this Area Include** Artillery RSOP, Battlefield Operations, Land Navigation, Other Mission Essential Tasks.

#### Alpha 4

**Introduction:** Training Area A4 is accessed via Frank Perkins Road. The NBC area is located in this training area but is scheduled separately. The NBC area has five bunkers suitable for urban assault

exercises, POW training, tear gas training, and decontamination training. Detailed maps and training aids are available for this area. Adjacent Training Areas: BA-4, BA-7, A-2, A-3.

**Directions:** Directions from Range Control: Drive 1.5 miles south on Frank Perkins Road. Proceed to Estey Road. The training area is in the northwest corner of the intersection.

**Restrictions:** ASP is off-limits

**Facilities:** The NBC Area is scheduled separately from the training area.

**Landscape:** Moderate Hills

**Acreage:** 197 (187)

**Roads:** Maneuver roads (4.6 kilometers) are mostly limited to the perimeter of the training area

**Training Activities for this Area Include** Army Warrior Task and Battle Drills, Artillery RSOP, Assembly Operations, Battlefield Operations, Common Task Training, Land Navigation, NBC Operations, Other Mission Essential Tasks.

### **Alpha 5**

**Introduction:** Training Area A5 is located southwest of Range Control. This has small and large bivouac sites in close proximity to each other. This area contains Land Navigation Course 2 (5 lanes). The combat trail runs along the western edge of the area. Adjacent Training Areas: A-6, BA-4, A-3

**Directions:** Directions starting from Range Control: Drive 0.16 miles north on Frank Perkins Road. Proceed to Wheelock Road. The training area is south of Wheelock Road.

**Restrictions:** ASP is off-limits

**Facilities:** The Land Navigation Course 2 is reserved separately from the training area.

**Landscape:** Moderate Hills

**Acreage:** 323 (312)

**Roads:** Maneuver roads (5.4 kilometers) are concentrated on the western edge of the training area along the power line service road.

**Training Activities for this Area Include** Artillery RSOP, Battlefield Operations, Land Navigation, Other Mission Essential Tasks.

### **Alpha 6**

**Introduction:** Training Area A6 is accessed via Frank Perkins Road north of Range Control. This area has two moderate size bivouac sites. Battle Position 24 is located in this area, and the combat trail runs along the western edge. Adjacent Training Areas: A-5, B-8, B-7

**Directions:** Directions from Range Control: Drive 0.16 miles north on Frank Perkins Road. Proceed to Wheelock Road. The training area is north of Wheelock Road.

**Restrictions:** Co-op well area is off-limits

**Facilities:**

**Landscape:** Moderate Hills

**Acreage:** 334 (342)

**Roads:** Maneuver roads (5.0 kilometers) are concentrated on the northwest corner and the western edge of the training area along the power line service road.

**Training Activities for this Area Include** Artillery RSOP, Battlefield Operations, Common Task Training, Land Navigation, And Other Mission Essential Tasks.

### **Bravo Alpha 1**

**Introduction:** Training Area BA-1 is accessed via Frank Perkins Road. It is adjacent to the combat trail. Engineering Dig Site 3 is a large flat area near the eastern edge of the training area. Adjacent Training Areas: A-2, BA-7.

**Directions:** Directions from Range Control: Drive 1.9 miles south on Frank Perkins Road. Proceed to the intersection with Howe Road. The training area is in the southeast corner of the intersection.

**Restrictions:** Old F Range is off-limits

**Facilities:** Landing Zone BA1. Engineering Dig Site 3. Army Warrior Task and Battle Drills. Individual Movement Training (IMT) & Dismounted Movement Lane. Engineering Dig Site 3 and Training Lanes are scheduled to separate from the training area in RFMSS.

**Landscape:** Relatively Flat

**Acreage:** 172

**Roads:** Maneuver roads (5.1 kilometers) are concentrated near the dig site area off Turpentine Road.

**Training Activities for this Area Include** Army Warrior Task & Battle Drill Training, Artillery RSOP, Battlefield Operations, Common Task Training, Engineer Digging - Heavy, Land Navigation, Other Mission Essential Tasks.

### **Bravo Alpha 2 Training Area**

**Introduction:** Training Area BA-2 is accessed via Turpentine Road. The area contains the Confidence Course, The Leadership Reaction Course, and 2 Rappelling Towers. These facilities are scheduled separately. Adjacent Training Areas: 3500 Area, TTB Kelley (formally known as the 3600 Area), and the MOUT site.

**Directions:** Directions from Range Control: Drive 2.9 miles south on Frank Perkins Road. Proceed through the intersection with Connery Avenue. The training area is south of the intersection on Turpentine Road. Altitude 306 ft.

**Restrictions:** None.

**Facilities:** Confidence Course, Leadership Reaction Course, Rappelling Towers. These facilities are scheduled separately.

**Landscape:** Relatively Flat.

**Acreage:** 109 (208 according to RFMSS)

**Roads:** Maneuver roads (3.1 kilometers) are along the power line service road.

**Training Activities for this Area Include** Artillery RSOP, Battlefield Operations, Common Task Training, Land Navigation, And Other Mission Essential Tasks.

### **Bravo Alpha 3**

**Introduction:** Training Area BA-3 is accessed via Frank Perkins Road. BA-3 has Camp Edward's largest bivouac area and is adjacent to TTB Kelley and landing zone 3600. Adjacent Training Areas: A-1, A-2, and TTB Kelley.

**Directions:** Directions from Range Control: Drive 2.2 miles south on Frank Perkins Road. Proceed to the intersection with Herbert Road. The training area is southwest of the intersection.

**Restrictions:** Barnstable Correctional Facility and Battle Position 1 are off-limits.

**Facilities:** None

**Landscape:** Moderate Hills

**Acreage:** 192

**Roads:** Maneuver roads (5.3 kilometers) are concentrated in the eastern portion of the training area.

**Training Activities for this Area Include** Artillery RSOP, Assembly Operations, Battlefield Operations, Common Task Training, Land Navigation, and Other Mission Essential Tasks.

### **Bravo Alpha 4**

**Introduction:** Training Area BA-4 is accessed via Frank Perkins Road. BA-4 is in close proximity to the Impact Area Buffer, which contains Observation Points and Battle Positions. Adjacent Training Areas: A-4, A-5, B-7.

**Directions:** Directions from Range Control: The training area is south of Range Control.

**Restrictions:** ASP and Battle Position 2 are off-limits

**Facilities:** Landing Zone BP2. Fire Department Staging Area.

**Landscape:** Moderate Hills

**Acreage:** 181 (179)

**Roads:** Maneuver roads (4.8 kilometers) are limited to the perimeter of the training area

**Training Activities for this Area Include** Artillery RSOP, Assembly Operations, Battlefield Operations, Common Task Training, Land Navigation, Other Mission Essential Tasks.

### **Bravo Alpha 5**

**Introduction:** Training Area BA-5 is accessed via Greenway Road. Adjacent Training Areas: C-16.

**Directions:** Directions from Range Control: Drive 0.12 miles south on Frank Perkins Road. Proceed to the intersection with Wheelock and Burgoyne Road. Head north on Burgoyne Road for 2.9 miles until the intersection with Gibbs Road. Then head east on Gibbs Road for 2.8 miles until the intersection with

Greenway Road. The training area is southwest of the intersection.

**Restrictions:** Co-op well area is off-limits.

**Facilities:** None.

**Landscape:** Relatively Flat.

**Acreage:** 84 (128)

**Roads:** Maneuver roads (4.1 kilometers) are limited to the perimeter of the training area.

**Training Activities for this Area Include** Artillery RSOP, Battlefield Operations, Land Navigation, Other Mission Essential Tasks.

### **Bravo Alpha 6**

**Introduction:** Training Area BA-6 is accessed via Turpentine Road. This area has a large bivouac area. It is adjacent to several small arms ranges and UTES. Easy access to Water Point, Wash Rack, and Fuel Point. Adjacent Training Areas: BA-7.

**Directions:** Directions from Range Control: Drive 1.1 miles south on Frank Perkins Road. Proceed to the intersection with Forestdale Road. Head east on Forestdale Road for 1.1 miles until the intersection with Turpentine Road. The training area is southeast of the intersection.

**Restrictions:** None.

**Facilities:** None.

**Landscape:** Relatively Flat.

**Acreage:** 124 (81)

**Roads:** Maneuver roads (2.6 kilometers) are mostly limited to the perimeter of the training area.

**Training Activities for this Area Include** Artillery RSOP, Battlefield Operations, Land Navigation, Other Mission Essential Tasks.

### **Bravo Alpha 7**

**Introduction:** Training Area BA-7 is accessed via Frank Perkins Road. The combat trail runs east-west through the middle of the area. Easy access to the Water Point, Wash Rack, and Fuel Point. Adjacent Training Areas: A-2, A-4, BA-1, BA-6.

**Directions:** Directions from Range Control: Drive 1.9 miles south on Frank Perkins Road until the intersection with Howe Road. The training area is in the southeast corner of the intersection.

**Restrictions:** Battle Positions 6, 8, 9, 10, and 11 are off-limits.

**Facilities:** Battle Positions 3, 4, 5, and 7. Landing Zone BP7. Battle Positions are scheduled separately from the training area.

**Landscape:** Moderate Hills.

**Acreage:** 347

**Roads:** Maneuver roads (5.7 kilometers) are concentrated along the combat trail.

**Training Activities for this Area Include** Artillery RSOP, Assembly Operations, Battlefield Operations, Common Task Training, Land Navigation, and Other Mission Essential Tasks.

### **Bravo 7**

**Introduction:** Training Area B-7 is accessed via Burgoyne Road or Frank Perkins Road. The area has one landing zone and is adjacent to the Impact Area Buffer, which allows access to Observation Points and Battle Positions. Adjacent Training Areas: B-8, A-6, A-5, BA-4.

**Directions:** Directions from Range Control: The training area is north of Range Control.

**Restrictions:** None.

**Facilities:** Landing Zone Chitta.

**Landscape:** Moderate Hills.

**Acreage:** 292 (290)

**Roads:** Maneuver roads (6.6 kilometers) are mostly limited to the perimeter of the training area.

**Training Activities for this Area Include** Artillery RSOP, Battlefield Operations, Common Task Training, Land Navigation, And Other Mission Essential Tasks.

### **Bravo 8**

**Introduction:** Training Area B-8 is accessed via Burgoyne Road. The combat trail runs through the area. There are two bivouac areas, and it is adjacent to several small arms ranges. Adjacent Training Areas: B-9, B-7, A-6.



**Directions:** Directions from Range Control: Drive 0.12 miles south on Frank Perkins Road. Proceed to the intersection with Wheelock and Burgoyne Road. Head north on Burgoyne Road for 1.5 miles until the intersection with Wood Road. The training area is in the southwest corner of the intersection.

**Restrictions:** Battle Position 26 is off-limits.

**Facilities:** Landing Zone Wood Road.

**Landscape:** Moderate Hills.

**Acreage:** 416 (412)

**Roads:** Maneuver roads (8.1 kilometers) are concentrated on the western edge of the training area along the power line service road.

**Training Activities for this Area Include** Artillery RSOP, Battlefield Operations, Land Navigation, Other Mission Essential Tasks.

### **Bravo 9**

**Introduction:** Training Area B-9 is accessed via Burgoyne Road. The area features three landing zones. Adjacent Training Areas: B-11, B-10, B-8.

**Directions:** Directions from Range Control: Drive 0.12 miles south on Frank Perkins Road. Proceed to the intersection with Wheelock and Burgoyne Road. Head north on Burgoyne Road for 1.5 miles until the intersection with Wood Road. The training area is in the northwest corner of the intersection.

**Restrictions:** Battle Position 19 is off-limits.

**Facilities:** Landing Zones: Deep Bottom, Wood Road, Pinnacle.

**Landscape:** Moderate Hills.

**Acreage:** 584 (577)

**Roads:** Maneuver roads (12.0 kilometers) are throughout the training area.

**Training Activities for this Area Include** Artillery RSOP, Battlefield Operations, Land Navigation, Other Mission Essential Tasks.

### **Bravo 10**

**Introduction:** Training Area B-10 is accessed from Burgoyne Road. The combat trail borders the southeast and northeast sections of the perimeter. Adjacent Training Areas: C-13, B-11, B-9

**Directions:** Directions from Range Control: Drive 0.12 miles south on Frank Perkins Road. Proceed to the intersection with Wheelock and Burgoyne Road. Proceed north on Burgoyne Road for 1.9 miles. The training area is in the northeast corner of the intersection with Avery and Orchard Roads.

**Restrictions:** Temporal restrictions near wetlands on Orchard Road (1 March to 15 June).

**Facilities:** None.

**Landscape:** Moderate Hills.

**Acreage:** 288

**Roads:** Maneuver roads (6.4 kilometers) are limited to the perimeter of the training area except for the power line service road.

**Training Activities for this Area Include** Artillery RSOP, Battlefield Operations, Land Navigation, Other Mission Essential Tasks.

### **Bravo 11**

**Introduction:** Training Area B-11 is accessed via Jefferson Road. The area has three moderate bivouac areas, Engineering Dig Site 1, 4 Battle Positions, and three landing zones. The combat trail runs through and adjacent to the area. Adjacent Training Areas: B-9, B-10, B-12.

**Directions:** Directions from Range Control: Drive 0.12 miles south on Frank Perkins Road. Proceed to the intersection with Wheelock and Burgoyne Roads. Head north on Burgoyne Road for 2.4 miles. Proceed to the intersection with Jefferson Road. Head west on Jefferson for 0.4 miles until the intersection with Orchard Road. The training area is in the northwest corner of the intersection.

**Restrictions:** Temporal restrictions near wetlands on Orchard Road (1 March to 15 June)

**Facilities:** Battle Positions 14, 16, and 20. Landing Zones BP14, BP16, and BP20. Engineering Dig Site 1 and Battle Positions are scheduled separately from the training area.

**Landscape:** Rough Terrain.

**Acreage:** 786 (779)

**Roads:** Maneuver roads (15.5 kilometers) are throughout the training area.

**Training Activities for this Area Include** Artillery RSOP, Battlefield Operations, Common Task Training, Engineer Digging – Heavy, Land Navigation, Other Mission Essential Tasks.

### **Bravo 12**

**Introduction:** Training Area B-12 is accessed via Gibbs Road. Adjacent to the combat trail, 1 Battle Position, and spectacular views of the Cape Cod Canal. Adjacent Training Areas: B-11, C13.

**Directions:** Directions from Range Control: Drive 0.12 miles south on Frank Perkins Road. Proceed to the intersection with Wheelock and Burgoyne Road. Head north on Burgoyne Road for 2.9 miles until the intersection with Gibbs Road. Head west on Gibbs Road for 0.7 miles until the intersection with Cat Road. The training area is in the northwest corner of the intersection. Adjacent Training Areas: B-11, C-13

**Restrictions:** PAVE PAWS is off-limits. PAVE PAWS Road may be crossed but cannot be used to access the training area. Battle Position 17 is off-limits.

**Facilities:** Battle Position 18.

**Landscape:** Rough Terrain

**Acreage:** 752 (741)

**Roads:** Maneuver roads (13.5 kilometers) are throughout the training area

**Training Activities for this Area Include** Artillery RSOP, Battlefield Operations, Land Navigation, Other Mission Essential Tasks.

### **Charlie 13**

**Introduction:** Training Area C-13 is accessed via Gibbs Road. About half of the training area is a stand of scrub oak. Adjacent Training Areas: B-10, B-12, C-14.

**Directions:** Directions from Range Control: Drive 0.12 miles south on Frank Perkins Road. Proceed to the intersection with Wheelock and Burgoyne Road. Head north on Burgoyne Road for 2.9 miles until the intersection with Gibbs Road. The training area is north of the intersection.

**Restrictions:** PAVE PAWS is off-limits.

**Facilities:** Battle Position 22.

**Landscape:** Rough Terrain.

**Acreage:** 577 (487)

**Roads:** Maneuver roads (9.5 kilometers) are throughout the training area.

**Training Activities for this Area Include** Artillery RSOP, Battlefield Operations, Land Navigation, Other Mission Essential Tasks.

### **Charlie 14**

**Introduction:** Training Area C-14 is accessed via Gibbs Road. This site has two bivouac areas. It is adjacent to Uniform Range and the IBC. Adjacent Training Areas: C-13, C-15.

**Directions:** Directions from Range Control: Drive 0.12 miles south on Frank Perkins Road. Proceed to the intersection with Wheelock and Burgoyne Road. Head north on Burgoyne Road for 2.9 miles until the intersection with Gibbs Road. Then head east on Gibbs Road for 0.7 miles until the intersection with Spruce Swamp and Goat Pasture Road. The training area is northwest of the intersection.

**Restrictions:** Temporal restrictions near wetlands on Spruce Swamp Road (1 March to 15 June).

**Facilities:** Engineering Dig Site 2. (Scheduled separate from the training area.)

**Landscape:** Rough Terrain

**Acreage:** 516 (522)

**Roads:** Maneuver roads (13.6 kilometers) are concentrated in the southern part of the training area.

**Training Activities for this Area Include** Artillery RSOP, Assembly Operations, Battlefield Operations, Engineer Digging – Heavy, Land Navigation, Other Mission Essential Tasks.

### **Charlie 15**

**Introduction:** Training Area C-15 is accessed via Gibbs Road. Adjacent to Tango Range, Sierra Range, and the ISBC. It has two bivouac areas and trench lines. Adjacent Training Areas: C-14, C-16.

**Directions:** Directions from Range Control: Drive 0.12 miles south on Frank Perkins Road. Proceed to the intersection with Wheelock and Burgoyne Road. Head north on Burgoyne Road for 2.9 miles until the intersection with Gibbs Road. Head east on Gibbs Road for 0.7 miles until the intersection with Spruce Swamp and Goat Pasture Road. The training area is northeast of the intersection.

**Restrictions:** Temporal restrictions near wetlands on Spruce Swamp Road (1 March to 15 June); Co-op well area is off-limits.

**Facilities: Trench Lines.** Landing Zone Barlow North.

**Landscape:** Rough Terrain.

**Acreage:** 564 (554)

**Roads:** Maneuver roads (13.6 kilometers) are throughout the training area.

**Training Activities for this Area Include** Artillery RSOP, Battlefield Operations, Engineer Digging – Heavy, Land Navigation, Other Mission Essential Tasks.

### **Charlie 16**

**Introduction:** Training Area C-16 is accessed via Gibbs Road. This area has a cluster of small bivouac areas. Adjacent Training Areas: C-15, BA-5.

**Directions:** Directions from Range Control: Drive 0.12 miles south on Frank Perkins Road. Proceed to the intersection with Wheelock and Burgoyne Road. Head north on Burgoyne Road for 2.9 miles until the intersection with Gibbs Road, then head east on Gibbs Road for 1.9 miles until the intersection with Barlow Road. The training area is northeast of the intersection.

**Restrictions:** None.

**Facilities:** Landing Zone Barlow North, Land Nav 4

**Landscape:** Rough Terrain.

**Acreage:** 383 (275)

**Roads:** Maneuver roads (5.4 kilometers) are concentrated in the eastern part of the training area

**Training Activities for this Area Include** Artillery RSOP, Battlefield Operations, Land Navigation.

### **Declination Station 3**

**Introduction:** Declination Station 3 is in the Cantonment area marked by a 105MM shell embedded in concrete. A paved parking area is available on West Outer Road next to the station. Do not park in the grasslands. Range Control has a Declination Training Packet for this site available upon request.

**Location:** 50 meters east of West Outer Road and 105 meters north of Beaman Street. CG70901303.

### **Nuclear, Biological, and Chemical Training Area**

**Introduction:** This facility consists of 5 bunkers with concrete floors and an improved road network. It may be used for NBC mask confidence, TOC operations, room clearing, or simulations. The NBC site also supports a designed village landscape to train Army Warrior Task and Battle Drill scenarios.

Bunkers are wired for electricity, but units must provide power generators. A Safety Officer and NBC certified personnel must be present to use this facility.

**Location:** On NBC Road, off Estey Road. CG69681631.

### **Trench Fighting Position Training**

**Introduction:** An extensive trench system is maintained in Training Area C15. The area is suitable for squad/platoon/company defense, trench clearing, blank ammo, and simulators.

**Location:** Off Knot Hollow Road in training area C-15 (north of Gibbs Road). CG74102135.

## Appendix F

### Soldier Validation/C-IED Lane Guidelines

#### Container Placement Checklist

- All initial placements and any reconfiguration of containers will be executed by Camp Edwards Engineering licensed operators in coordination with the Natural Resource Manager In Accordance With (IAW) this checklist and all applicable local, state, and federal regulations.
- No Placement of containers within any Zone I of a public water supply well.
- No creation of new roads
- No permanent concrete foundations.
- All Containers will be placed in open or previously disturbed and historically utilized areas.
- No placement within 100' of wetlands and 500' where applicable per Environmental Performance Standard's (EPS)
- Placement of containers will be previously coordinated with the Environmental Management Commission (EMC) in regards to Chapter 47 and with Environmental Protection Agency (EPA) Region 1 in regards to the Administrative Orders (AO's).
- Placement of containers shall be done to avoid or minimize erosion or create safety concerns.
- No cutting of trees greater than 3" diameter, unless approved by the Natural Resource Manager
- No limbing of trees above 7', unless approved by the Natural Resource Manager
- avoid the scarring of trees; notify Natural Resource Manager when this occurs
- Call Camp Edwards Range Control and the Environmental Office to report any spills, illegal dumping or indications of trespassing, etc.
- Monies shall be programmed for the routine Maintenance of the Road, road shoulders, and trails related to these training Lanes.
- Minimum leveling of a site for container placement and the safety of soldiers is allowed in consultation with the Camp Edwards Natural Resource Manager.
- Multi-Level Containers will be placed on existing hardstand, compact, and level areas. For all other areas, multi-level container placement will be coordinated through the Natural Resource Manager IAW this checklist and all applicable local, state, and federal regulations.
- Placement of "battlefield clutter"2 training aides will be placed utilizing this same checklist.
- Placement of barriers (i.e., Jersey barriers, mud block walls, etc....) within the lane around specific containers or cluster of containers will be executed using the same checklist above but will be training and situation-based.

1. The term container is used throughout because the current plan and funding are based on utilizing typical shipping containers modified with door and window openings to act as training aids to enhance the quality and realism of our soldiers' training for their wartime mission. These "containers are normally sized 8'x8', 10'x10', 10'x20' and 10'x40'. There are some manufactures speculating construction of even more versatile and mobile "containers," which have walls that break down, fold up, and set up even more

rapidly. Should funding and manufacturing of these come to fruition and they fit our soldiers' training needs, the MANG might look into purchasing and utilize other types of "containers" to enhance our soldiers' training while always continuing to utilize this same checklist for emplacement.

2. "Battlefield clutter" in this context is a term to identify training aides that are placed in and around a training lane to increase the realism of the training for the soldiers. "Battlefield clutter" includes but is not limited to clotheslines, bicycles, hay carts, children's toys, fake dogs, sheep, etc.... All battlefield clutter will be approved by Camp Edwards and placed utilizing the above checklist.

## Appendix G Landing Zones

### LANDING ZONES

Listed below are the available landing zones that Camp Edwards offers. Each page lists a brief description of the landing zone, location, and any requirements/restrictions that may be associated with it. The ones that are commonly used as an Army MEDEVAC landing zone are listed with an MV. There are a few landing zones that Boston Med Flight has designated for their MEDEVAC sites. If so, then the Boston Med Flight naming convention is also listed.

Requirements: For more information and scheduling, Army Aviation Support Facility #1 (AASF#1) Flight Operations at 508-968-5850. Clear the area with Range Control on FM 38.50 MHz or on the telephone-339-202-9313.

#### There are four MEDEVAC LZ Sites:

##### **Boston Med Flight Landing Zone LZ-3**

Location: KD Range parking lot.  
South of the Impact Area, north of the BA-6 training area.  
0.3 Acres.  
Coordinates: CG723161 (41 41.21 N 70 32.05 W)  
Status: Open.  
Hazards: None.

##### **Boston Med Flight Landing Zone LZ-4; Landing Zone BP2**

Location: Battle Position 2.  
3.3 Acres, 76 Feet MSL.  
This area features a 20 x 20-foot concrete helipad.  
The landing zone is in good condition but in a partially restricted area.  
Coordinates: CG699182 (41 42.32 N 70 33.79 W).  
Status: Open.  
Hazards: In a partially restricted area.

##### **Boston Med Flight Landing Zone LZ-5; Wood Road MedEvac Landing Zone**

Location: Wood Road between the B-9 and B-8 training areas.  
0.5 Acres, 42 Feet MSL.  
Coordinates: CG698208 (41 43.71 N 70 33.88 W).  
Status: Open.  
Hazards: Potential brownout conditions.

##### **Boston Med Flight Landing Zone LZ-6**

Location: Northside of Gibbs Road in the C-15 training area.  
0.7 Acres.  
The surface is both earth and a concrete pad.  
Status: Open.  
Coordinate: CG736213 (41 44.04 N 70 31.18 W).  
Hazards: Power lines south of the Landing Zone.

**The following are NON-MEDEVAC LZ Sites:**

**Landing Zone 3600; Also known as LZ TTB Kelley**

Location: TTB Kelley.  
6.2 Acres, 41 Feet MSL.  
This area features a 20 x 20-foot concrete helipad.  
The remainder of the landing zone has an earth surface and is in good condition.

Coordinate: CG697145 (41 40.32 N 70 33.88 W)

Status: Open Day / Night / NVG.

Hazards: Power lines on the SW side of the field.  
A low fence on the NE side of the field.  
Lights from the correctional facility to the NW of the landing zone can impair NVG clarity.  
Troops bivouac nearby, and vehicles occasionally enter the area from the road to watch aircraft.

**Landing Zone BA-1**

Location: Training Area BA-1.  
8.9 Acres, 38 Feet MSL  
This landing zone is approved for roll-on landings, and slope training is available on the western end of the area.

Coordinates: CG712153 (41 40.77 N 70 32.81 W)

Status: Open Day / Night / NVG.

Hazards: None

**Landing Zone Barlow North**

Location: Barlow Road near Route 6 and the natural gas right-of-way.  
0.5 Acres, 66 Feet MSL.  
It has an earth surface with sloping terrain.

Coordinates: CG750216 (41 44.21 N 70 30.15 W)

Status: OPEN

Hazards: Trees surround the Landing Zone

**Landing Zone Barlow South**

Location: Barlow Road south of Gibbs Road.  
3.2 Acres, 56 Feet MSL.  
It is in the Impact Area, has an earth surface, and is in good condition.

Coordinate: CG746204 (41 43.56 N 70 30.43 W)

Status: Open Day / Night / NVG.

Hazards: None

**Landing Zone BP7**

Location: Battle Position 7.  
0.9 Acres, 46 Feet MSL.

Coordinates: CG708163 (41 41.31 N 70 33.11 W)

Status: Open Day / Night / NVG.

Hazards: Not approved for roll-on landings.

**Landing Zone BP14**

Location: Battle Position 14.

0.9 Acres, 45 Feet MSL.  
Coordinates: CG698231 (41 44.97 N 70 33.92 W)  
Status: Open Day / Night / NVG.  
Hazards: Small brush around the perimeter.  
Possible brownout conditions.  
Power lines 800 meters west of Landing Zone.  
The condominium unit on the west side of the power lines is a no-fly zone.

#### **Landing Zone BP16**

Location: Battle Position 16.  
1.8 Acres. 46 Feet MSL.  
Coordinates: CG697231 (41 44.97 N 70 33.99 W)  
Status: Open Day use only.  
Hazards: Uneven terrain and small brush throughout.  
Power lines 600 meters to the west of Landing Zone.  
The condominium unit on the west side of the power lines is a no-fly zone.

#### **Landing Zone BP 20**

Location: West of Pave Paws and north of Cat Road in the B-11 Training Area.  
1.7 Acres, it is on an earth surface.  
Coordinates: CG712230 (41 44.90 N 70 32.91 W)  
Status: Open.  
Hazards: Power lines close by.

#### **Landing Zone Chitta**

Location: Training Area B7.  
0.5 Acres, 74 Feet MSL. It has an earth surface and is in fair condition.  
Coordinates: CG693193 (41 42.91 N 70 34.23 W)  
Status: Open Day / Night / NVG.  
Hazards: The latrine in the Landing Zone is closed.

#### **Landing Zone Deep Bottom**

Location: Near Deep Bottom Pond.  
0.4 Acres, 19 Feet MSL. It has an earth surface and is in good condition.  
Coordinates: CG693214 (41 44.05 N 70 34.26 W)  
Status: Open.  
Hazards: Trees and birds.

#### **Landing Zone Gibbs Road**

Location: Northside of Gibbs Road in the C-15 training area.  
0.7 Acres.  
The surface is both earth and a concrete pad.  
Status: Open.  
Coordinate: CG736213 (41 44.04 N 70 31.18 W)  
Hazards: Power lines south of the Landing Zone.

#### **Landing Zone KD Range**

Location: South of the Impact Area, north of the BA-6 training area.  
The range surface of the landing zone is earth (35 acres.)



This LZ also includes the concrete parking lot on the southern edge of the range.  
Coordinates: CG723161 (41 41.21 N 70 32.05 W)  
Status: Open.  
Hazards: None

#### **Landing Zone NBC**

Location: Western side of the Nuclear, Biological, and Chemical Training Area.  
0.8 Acres.  
The landing zone has an earth surface and is in good condition.  
Coordinates: CG695162 (41 41.25 N 70 34.02 W)  
Status: Open.  
Hazards: None.

#### **Landing Zone Ox Pond**

Location: Near Ox Pond.  
0.5 Acres, 27 Feet MSL.  
It has an earth surface and is in fair condition.  
Coordinates: CG750197 (41 43.18 N 70 30.13 W)  
Status: Open Day / NVG.  
Hazards: Trees around the perimeter.

#### **Landing Zone Pinnacle**

Location: Training Area B9.  
It has an earth surface and is in fair condition.  
0.1 Acres. 53 Feet MSL.  
Coordinates: CG694211 (41 43.89 N 70 34.19 W)  
Status: Open Day / Night / NVG.  
Hazards: Trees around the perimeter.

#### **Landing Zone Wood Road**

Location: Wood Road between the B-9 and B-8 training areas.  
0.4 Acres, 42 Feet MSL. It is on an earth surface  
Coordinates: CG695208 (41 43.74 N 70 34.13 W)  
Status: Open.  
Hazards: Potential brownout conditions.  
It has been moved east on Wood Road due to the dangerous grading of the previous location.

## Appendix H Training Aids and Devices

### Explosion Effects Simulators (EES)

**Introduction:** These training devices use compressed CO2 gas to produce a realistic simulation of various types of battlefield explosions. Examples of these are IED, VBIED, landmine, hand grenades, suicide vests, and pipe bombs. Some of these devices can incorporate paintball projectiles and smoke simulation powder to increase the battle focus of training. Units are required to request training through Range Control for designated operators prior to the training events. Selected Soldiers will receive training on the safe operation of the various devices and suggestions on how to incorporate various devices into unit training scenarios. Available devices:

**(1) Mounted Convoy Operations IMEESS Kit (Improvised Munitions Explosive Effect Simulator System) Large:** IED, VBIED, large or multiple engagement areas, daisy chains, counter convoy ambush training.

**(2) Mounted Convoy Operations IMEESS Kit (Improvised Munitions Explosive Effect Simulator System) Small:** IED, VBIED, single engagement areas, daisy chains, counter convoy ambush training.

**(1) UDO Urban Dismounted Operation System:** Contains interchangeable devices, pipe bombs, suicide vests, VBIED, rapid deployment anti-personnel devices (squibs), wireless, and tripwire initiators.

**(1) Suicide Vest V2.2 Complete Kit:** One suicide belt with two tubes, one trigger command detonator, can be used with powder. Uses single-use 12g CO2 cartridges.

**(2) Distraction Device Kit:** Each kit contains ten hand grenade simulators. Uses single-use 12g CO2 cartridges.

**(1) Rapid Deployment Kit M-32 APS:** Each kit contains two distraction devices for indoor MOUT training.

**(3) 75mm E Detonator:** 500' Wireless trigger, allows two consecutive detonations. Charged by compressed air.

### Foreign and Domestic Weapons, Bomb Vests, TCP Kits, and Garb

**Introduction:** TSC has a variety of training aids available for the unit's use. Items available include foreign and domestic weapons, bomb vests, TCP Kits, and garb. These training aids can be used in a wide variety of training scenarios.

**Location:** TSC, Building 3495, Weaver Road. CG70241309

**Contact:** Training Support Center (TSC) at 339-202-9396. Schedule using a Memorandum of Request a minimum of 30 days prior to use (specify sizes/quantity with pick-up and turn-in dates).

**Requirements for Site Usage:** Memorandum of Request, DA 1687, and Assumption of Command.

### Improved Explosive Device Defeat System

**Introduction:** These training aids are provided to train units on common types of IEDs currently being used by enemy combatants. Items vary from story and display boards for classroom instruction to devices that, when activated, set off a siren to signifying that the IED has been initiated. Only certified instructors will be allowed to sign for this equipment.

**Location:** TSC, Building 3495, Weaver Road. CG70241309

**Contact:** Training Support Center (TSC) at 339-202-9396. Schedule using a Memorandum of Request a minimum of 30 days prior to use (specify sizes/quantity with pick-up and turn-in dates).

**Requirements for Site Usage:** Memorandum of Request, DA 1687, and Assumption of Command.

### Improved Explosive Device Effects Simulator (IEDES)

**Introduction:** IEDES offers realistic detection and reaction training against IED threats. The IEDES consists of wireless and manual tripwires and control devices to simulate the threat. The kit contains small through large IED simulators, a module control unit, an electronic common interface device, a tripwire IED, booby traps, and a suicide bomber vest. Only certified instructors will be allowed to sign for this equipment.

**Location:** TSC, Building 3495, Weaver Road. CG70241309

**Contact:** Training Support Center (TSC) at 339-202-9396. Schedule using a Memorandum of Request a

minimum of 30 days prior to use (specify sizes/quantity with pick-up and turn-in dates).

**Requirements for Site Usage:** Memorandum of Request, DA 1687, and Assumption of Command.

#### **Individual Body Armor (IBA) Training Vests**

**Introduction:** The training IBAs have rubber small arms protective inserts (SAPI) training plates. These vests can be used for life-like familiarization training. **NOTE: These vests are not to be used in place of issue body armor for live-fire events.**

**Location:** TSC, Building 3495, Weaver Road. CG70241309

**Contact:** Training Support Center (TSC) at 339-202-9396. Schedule using a Memorandum of Request a minimum of 30 days prior to use (specify sizes/quantity with pick-up and turn-in dates).

**Requirements for Site Usage:** Memorandum of Request, DA 1687, and Assumption of Command.

#### **Laser Collective Combat Advanced Training System (LCCATS)**

**Introduction:** This wireless system allows military professionals to engage full-scale “E” and “F” computer-controlled targets set at various distances and placed in a number of actual terrain and combat scenarios. Using their own weapons (M9, M4, M16, M249, M240, and M2), shooters can ride in vehicles where they are introduced to the challenges of critical counter-ambush driver skills, accurate fire from a moving platform, evasive maneuvers, spacing discipline, and crew/team cohesion. LCCATS gives warriors the ability to expand their training to a complete 360-degree area. Only certified instructors will be allowed to sign for this equipment.

**Location:** TSC, Building 3495, Weaver Road. CG70241309

**Contact:** Training Support Center (TSC) at 339-202-9396. Schedule using a Memorandum of Request a minimum of 30 days prior to use (specify sizes/quantity with pick-up and turn-in dates).

**Requirements for Site Usage:** Memorandum of Request, DA 1687, and Assumption of Command.

#### **Laser Marksmanship Training System (LMTS)**

**Introduction:** The LMTS is a commercial off-the-shelf laser marksmanship training system that supports the Army's marksmanship training strategy. Since it is light, transportable, uses self-sustained power or power from a vehicle, and requires no fixed facility support, it is ideal for training scenarios in the field during the day or at night. LMTS accommodates numerous weapons and calibers to include the following: M9 pistol, M4 & M16 rifles, M249, M240, and M2 MG. It uses the individual Soldier's personal weapon, optics, and accessories. LMTS allows units to conduct individual and sustainment marksmanship training using NBC equipment. Only certified instructors will be allowed to sign for this equipment.

**Location:** TSC, Building 3495, Weaver Road. CG70241309

**Contact:** Training Support Center (TSC) at 339-202-9396. Schedule using a Memorandum of Request a minimum of 30 days prior to use (specify sizes/quantity with pick-up and turn-in dates).

**Requirements for Site Usage:** Memorandum of Request, DA 1687, and Assumption of Command.

#### **Ultimate Training Munitions (UTM) Conversion Kits and Personnel Protection Equipment**

**Introduction:** UTM conversion kits provide safe and accurate feedback during force-on-force training. The conversion kit enables the regular use of optics and accessories during training. Having a lower SDZ and minimal PPE enables units to train in various locations. TSC has the conversion kits for the M4/M16 series and the M249 SAW and well as PPE, which includes gloves, masks, and goggles. **NOTE:** The Conversion Kits at TSC have a Live Round Fail-Safe. They have an offset firing pin that will not allow live rounds to be fired.

**Location:** TSC, Building 3495, Weaver Road. CG70241309

**Contact:** TSC at 339-202-9320. Schedule using a Memorandum of Request a minimum of 30 days prior to use (specify sizes/quantity with pick-up and turn-in dates).

**Requirements for Site Usage:** Memorandum of Request, DA 1687, and Assumption of Command.

#### **Portable Infantry (and Armor) Target System (PITS and SATL-H)**

**Introduction:** The Stationary Infantry Target (SIT) system is a battery-operated lifter that can raise and lower a single, double, or triple silhouette target in less than one second. It's a portable target lifter that operates using a radio remote control and has the ability to score hits using the MILES interface or records live hits using UTM or Simunitions. This lifter weighs 50lbs and can be used in any of the MOUT,

Mounted, dismounted, C-IED lane facilities to train individuals in identifying and engaging in targets. The Stationary Armor Target Lifter-Heavy (SATL-H) systems are a battery-operated lifter than can present a full-scale frontal armor target weighing up to 150lbs. It's a portable target lifter, weighing 247lbs, which requires a four-person lift. It operates using a radio remote control and has the ability to score hits using the MILES interface or records live hits using UTM or Simunitions. The unit has the ability to choose from an extensive array of frontal and flank vehicle target molders with 3D Ivans (plastic molders designed to look like a hostile target) depending on their training needs. These lifters and targets are primarily used for the Un-stabilized Individual Gunnery and Vehicle Crew Evaluator Course.

**Location:** TSC, Building 3495, Weaver Road. CG70241309

**Contact:** TSC at 339-202-9320, schedule using a Memorandum of Request a minimum of 30 days prior to use.

**Requirements for Site Usage:** Memorandum of Request, DA 1687, and Assumption of Command. Personnel using these lifters must be trained prior to the issue of equipment or have gone through the Un-stabilized Gunnery Course. Contact TSC to schedule training.

**Appendix I  
Unit Range OIC/RSO Appointment Form**

<b>RANGE SAFETY APPOINTMENT FORM</b>				
<b>SUBMIT TO: Range Control, Bldg. 4020, Camp Edwards, MA 02542-5003</b>				
<b>FOR: Range Operations, Camp Edwards, MA 02542-5003</b>				
DATE:				
UNIT:			UIC:	
Unit Strength:			Component:	
POC:		Telephone:		
<b>PART 1. The following personnel are certified to act as Range OIC/NCO and/or Range Safety Officer for the weapons system(s) specified:</b>				
NAME (LAST, FIRST, MI)	Last 4 SSN	GRADE/RANK	OIC/RSO	WPN SYS
Name, Rank, Signature of Commander				
<b>PART II. ADDITIONS OR DELETIONS:</b>				
DATE OF REVISION:				
1. Following personnel are additions/deletions to Certification Memo dated _____.				
NAME (LAST, FIRST, MI)	Last 4 SSN	GRADE/RANK	OIC/RSO	WPN SYS
Name, Rank, Signature of Commander				
<b>PART III. Range Control Use ONLY</b>				
After Range Control OIC/RSO Safety Brief is given, sign to validate the above-named individuals.				
Name, Rank, Signature				

## Appendix J Range Safety Certification Program Guidelines

### Guidelines for Range Safety Certification Programs Excerpts from DA PAM 385-63, AR 385-63

**NOTE:** Due to the wide variety of weapons systems and various types of ranges, there is not a standard program for the certification of Range Officers in Charge (OICs) and Range Safety Officers (RSOs).

1. U.S Army Range safety certification programs are used to train and qualify personnel in the duties of OIC and RSO for firing exercise and maneuver operations. Certification programs are implemented at battalion or equivalent level.
2. Unit Safety certification programs will be integrated into organizational training.
3. Once satisfied through training and testing that individuals are qualified to perform duties of OIC and RSO of the firing unit, battalion commanders will certify, in writing, these individuals to range control using the Range Safety Appointment Form.
4. Personnel designated as OIC and RSO must receive a range safety briefing from Camp Edwards Range Control on additional specific installation requirements as part of the certification program. Units can request a copy of the Camp Edwards specific OIC/RSO brief prior to arrival IOT familiarize themselves with the installation specific requirements. Contact Range Control at 339-202-9313 to request a copy. A Camp Edwards Range Control employee will sign the Range Safety Appointment Form officially validating those individuals as OIC and RSOs, and the appointment is valid for a one year period.
5. The effectiveness of the safety programs for OICs and RSOs will be monitored by the State Safety officer and Camp Edwards Range Control Officer.

#### Resources

##### Range and Weapons Safety Toolbox;

<https://safety.army.mil/rangeweaponssafety/OICRSOCertification/tabid/1911/Default.aspx>

##### US Army Combat Readiness/Safety Center

<https://safety.army.mil/>

#### Range Safety Responsibilities Excerpts from DA PAM 385-63

##### The unit commander:

- (1). Ensures compliance with this pamphlet, applicable Technical Manuals (TMs), Field Manuals (FMs), installation range guidance, and applicable SOPs for safe training and firing for each weapon system within the command.
- (2) Ensures all personnel within the command are briefed on and comply with installation range procedures and safety requirements, including required personal protective equipment.
- (3) Designates an OIC and RSO for each firing exercise and/or maneuver in accordance with table 1-1. (Except as designated in paragraph 1-6h (1) (a), the RSO may have no additional duties during the firing exercise.)
- (4) Ensures personnel performing duties of OIC and RSO are certified in accordance with the established installation safety certification program.
- (5) Complies with range safety certification program guidance in paragraph 1-7 for OICs and RSOs to ensure they are-
  - (a) Competent and properly instructed in the performance of their duties.
  - (b) Knowledgeable in the weapon systems for which they are held responsible and in safe ammunition handling and use procedures.
- (6) Develops SOPs for laser operations to include provision for immediate medical attention for personnel who incur eye or other overexposure to laser energy and reporting laser overexposure

incidents in accordance with AR 385-10 (*Supersedes AR 385-40*), TB MED 524, MIL-HDBK 828A, and MCO 5104.1.

(7) Applies risk management and develops controls and procedures for all phases of training events.

**Officer in Charge (OIC):**

(1) Qualifications.

(a) Commissioned, warrant, or noncommissioned officer (NCO, U.S. Army), or civilian (U.S. Army). NCOs serving as OIC will be in the grade shown in table 1-1 at a minimum.

(b) OICs will be certified in the weapon systems for which they are responsible. For weapon systems equipped or dependent on lasers, the OIC will be knowledgeable of laser hazards and proper employment. The OIC holds responsibility and accountability for the conduct of the activity and the adherence to governing regulations and guidance. He/she must be able to influence the conduct of the event entirely. For aviation weapons systems, the OIC must be weapons systems knowledgeable.

(c) The OIC must have satisfactorily completed a range safety certification program.

(2) Duties.

(a) Ensures the overall safe conduct of training and proper use of the installation training complex.

(b) Receives a range safety briefing from installation range control organization on the use of the training complex.

(c) Ensures the RSO is physically present at the training site.

(d) Determines when it is safe to fire in accordance with applicable regulations and installation range requirements.

(e) Ensures receipt of final clearance to fire from range control.

(f) Ensures proper supervision of personnel performing misfire, and cook-off procedures.

(g) Ensures required communications are established and maintained.

(h) Ensures safe laser operations.

(i) Ensures adequate medical support is available.

(j) Ensures ammunition and explosives are appropriately handled, transported, stored, and accounted for within the training complex from the time of receipt to the time of expenditure or turn-in.

(k) Ensures a written log is maintained of appropriate safety and control data concerning the operation of firing ranges, weapons training facilities, and maneuver areas, authorized operating times, impact areas entries and exits, and cease-fire authorizations.

(l) Ensures plans for firing exercises and maneuvers are coordinated with range control.

(m) Ensures control of target areas to prohibit entry by unauthorized personnel.

(n) Ensures all ammunition malfunctions and accidents are reported to range control in accordance with AR 75-1 and AR 385-10 (*Supersedes AR 385-40*) (Army), or MCO P5102.1.

(o) Ensures coordination and approval have been gained from the range control agency for all civilian personnel that will be entering the training site

(p) Briefs the RSO on the duties to be performed in support of the training event. Clearly establishes the requirement for the RSO to brief the OIC on the safety of the facility and unit, and the readiness to commence live-fire operations prior to the start of firing.

(q) Implements Deliberate Risk Assessment in all phases of the training events.

**The RSO:**

(1) Qualifications.

(a) Commissioned officer, warrant officer, NCO (Army), or civilian. Grade requirements will be in accordance with table 1-1. Personnel assigned as RSO will have no other duties during that period of training, except for aviation weapons systems training where instructor pilots may assume RSO duties. Assistant range safety officers (ARSO) may be appointed as required.

(b) Weapon system qualified.

(c) Certification of satisfactory completion of unit and installation range safety certification program.

(2) Duties:

(a) Receives range safety briefing from the installation range control organization on the use of the ranges and training areas.

- (b) Ensures before granting clearance to fire-
1. Weapons and personnel are appropriately positioned.
  2. Authorized ammunition and explosives to include proper charge, fuse, and fuse settings are used.
  3. Firing settings and weapons systems are within prescribed safety limits and verified.
  4. SDZ is clear of all unauthorized personnel.
  5. Proper hearing protection is worn by personnel within noise hazard areas.
  6. Proper eye protection is worn by personnel within eye hazard areas.
  7. Permission is received from range control to commence training and live-fire operations.
1. Ensures unit personnel employing lasers receive thorough safety briefings to include explanations of specific laser-related hazards, safety equipment, and detailed range safety procedures and complies with procedures in Chapter 18 of this pamphlet.
2. Knows and observes horizontal and vertical safety limits of the laser range.
  3. Follows unit SOPs for laser operations and training exercises.
  4. Ensures all personnel engaged in laser operations, to include personnel in target areas, maintain continuous communications.
  5. Ceases laser operations immediately if communications or positive control of the laser beam is lost.
  6. Allows the LRSO, as required, to serve as the RSO.
- (2) Ensures the entire range is clear of unauthorized personnel and equipment prior to firing and maintains clearance throughout the entire firing sequence.



Table 1-1 OIC/RSO appointment requirements						
Weapon System	OIC1OFF	WO	NCO	RSO1 OFF	WO	NCO
Practice hand grenades; sub-caliber training devices; laser devices; firing devices; simulators and trip flares; small arms and machineguns	X	X	E6	X	X	E5
Chemical agents and smokes <sup>2,6</sup>	X	X	E6	X	X	E5
Aerial gunnery and air defense weapons; flamethrowers, live grenades, grenade launchers, and grenade machineguns; live mines and demolitions; tank and fighting vehicle cannons; recoilless rifles.	X	X	E7	X	X	E6
Field Artillery <sup>3</sup>	X	X	E7	X	X	E6
Mortars	X	X	E6	X	X	E6 <sup>7</sup>
ADA rockets and guided missiles			X		X <sup>4</sup>	
Direct-fire antitank rockets and missiles	X	X	E7	X	X	E6
Live-fire exercises using organic weapons, squad through company, battery, troop	X	X	E7	X	X	E6
Combined arms live-fire exercises using outside fire support, troop, battery, squad, platoon, company; or battalion and larger. <sup>5</sup>	X	X	E7	X	X	E6
Notes:						
1 Civilians in the grade of GS-07 or above may act as OIC, and GS-05 or above or equivalent for RSO. Civilian contractors may act as OIC/RSO when approved by the installation commander and in accordance with Contract SOW.						
2 OIC and RSO must be nuclear, biological, and chemical (NBC) qualified when conducting NBC or smoke training.						
3 Use of E7s as OICs is authorized only when approved by the installation commander. Duties of the RSO are normally performed by either the battery executive officer or platoon leader.						
4 SRSO will be a field grade officer, CW4, or CW5 (Army) or civilian in the grade of GS-12 or above.						
5 OIC will be a field grade officer for battalion or larger CALFEX.						
6 RSO for Marine Corps will be E6 or above for practice hand grenades, Chemical Agents and Smokes. The installation commander may allow E5 to act as RSO for practice hand grenades, Chemical Agents and Smokes.						
7 RSO for the Marine Corps can be E5 for mortar training activities.						

## SAMPLE RANGE CERTIFICATION TEST M-4

- 1) What is the max effective range of the M4 Rifle?
  - a. 500m (Point) – 600m (Area)
  - b. 600m (Point) – 500m (Area)
  - c. 550m (Point) – 650m (Area)
  - d. 450m (Point) – 550m (Area)
  
- 2) What is the maximum range of the M4 Rifle?
  - a. 3000m
  - b. 3300m
  - c. 3600m
  - d. 4000m
  
- 3) When clearing the M4 Rifle. What is the third step in the sequence?
  - a. Place the weapon on SAFE.
  - b. Lock the bolt open
  - c. Check the ejection port chamber for ammo
  - d. Remove the magazine
  
- 4) When performing the M4 functions check. What is the first action you do?
  - a. Place the weapon on FIRE
  - b. Pull the charging handle to the rear
  - c. Place the weapon on SAFE
  - d. Pull the charging handle to the rear and then put the weapon on SAFE.
  
- 5) When performing immediate action. What does SPORTS stand for?
  - a. Slap up on the magazine; Pull the charging handle, Observe the chamber, Release the charging handle, Tap the forward assist, Squeeze the trigger.
  - b. Slap up on the magazine; Pull the charging handle, Observe the chamber, Release the charging handle, Tap the forward assist, Shoot.
  - c. Slap the forward assist; Pull the charging handle, Observe the chamber, Release the charging handle, Tap the forward assist, Squeeze the trigger.
  - d. Slap up on the magazine; Pull the charging handle, Observe the Bolt Carrier, Release the charging handle, Tap the forward assist, Squeeze the trigger.
  
- 6) What are the 4 Marksmanship fundamentals?
  - a. Steady position, Aim, Breathing, Trigger squeeze.
  - b. Steady aiming, Position, Breathing, Trigger squeeze.
  - c. Steady breathing, position, Aim, Trigger squeeze.
  - d. Steady trigger squeeze, Steady position, Aim, Breathing.

What FM covers conducting an M4 Range?

---

Within how many meters of the firing line are you required to wear hearing protection?

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How many seconds does the firer have to engage each table of the 25-Meter Alternate Course?

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What are the 2 training areas on a qualification range?

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When is a firer considered zeroed?

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What items show the far left & right limits of the range?

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On which sight aperture must the weapon be placed when firing on a Record Fire Range?

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When a firer doesn't qualify and fires again what is the max rating they can receive?

---

When necessary to store ammunition in the open what safety measures must be taken?

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What procedures must be accomplished before and after weapons leave the firing line?

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Are cross-fires allowable alibi's and how are cross-fires scored for the cross-firing soldier and recipient?

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When an electrical storm occurs what actions will the Safety NCO take to ensure safety of soldiers?

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When soldiers have already zeroed their weapon at a previous range are they required to set their weapons to Mechanical zero for the zeroing process?

---

Who has the authority to call cease-fire when observing an unsafe act?

---

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## **SAMPLE RANGE CERTIFICATION TEST M9**

- 1) What is the maximum range of the M9 pistol?
  - a) 1800m
  - b. 1000m
  - c. 500m
  - d. 1500m
  
- 2) What is the maximum effective range of the M9 pistol?
  - a. 25m
  - b. 75m
  - c. 50m
  - d. 100m
  
- 3) What are the four major components of the M9 Pistol?
  - a. Slide and Barrel Assembly, Recoil Spring and Recoil Spring Guide, Barrel and Locking Block Assembly, Receiver, Hand Guards.
  - b. Slide and Barrel Assembly, Recoil Spring and Recoil Spring Guide, Barrel and Locking Block Assembly, Receiver, Magazine.
  - c. Slide and Barrel Assembly, Recoil Spring and Recoil Spring Guide, Barrel and Locking Block Assembly, Receiver.
  - d. Slide and Barrel Assembly, Barrel and Locking Block Assembly, Receiver, Magazine.
  
- 4) When the slide (1) is fully forward, and the pistol fails to fire, apply immediate action as follows in a tactical situation:
  - a. Ensure that decocking safety lever is in the fire (up) position. If the pistol does not fire, ensure that the magazine is fully seated, retract the slide to the rear and release, and squeeze the trigger.
  - b. Ensure that decocking safety lever is in the fire (down) position. If the pistol does not fire, ensure that the magazine is fully seated, retract the slide to the rear and release, and squeeze the trigger.
  - c. Ensure that decocking safety lever is in the fire (up) position, if the pistol does not fire, ensure that the magazine is fully seated, retract the slide to the rear and lock, Squeeze the trigger.
  - d. Ensure that decocking safety lever is in the fire (up) position, if the pistol does not fire, ensure that the magazine is fully seated, and retract the slide to the rear and release.
  
- 5) What ten malfunctions can happen with the 9mm pistol?
  - a. Ammunition does not feed; Ammunition does not chamber, Slide does not lock fully forward, Pistol does not fire, Slide does not unlock, Cartridge does not extract, Cartridge does not eject, Hammer does not cock with decocking/safety lever in fire (up) position, Hammer does not decoct with decocking/Safety lever in safe (down) Position, Slide separates upon firing.
  - b. Ammunition does not feed; Ammunition does not chamber, Slide does not lock fully forward, Pistol does not fire, Slide does not unlock, Cartridge does not extract, Cartridge does not eject, Hammer does not cock with decocking/safety lever in fire (up) position, Hammer does not decoct with decocking/Safety lever in safe (down) Position.
  - c. Ammunition does not chamber; Slide does not lock fully forward, Pistol does not fire, Slide does not unlock, Cartridge does not extract, Cartridge does not eject, Hammer does not cock with decocking/safety lever in fire (up) position, Hammer does not decoct with decocking/Safety lever in safe (down) Position, Slide separates upon firing.
  - d. Ammunition does not feed; Ammunition does not chamber, Slide does not lock fully forward, Pistol does not fire, Cartridge does not extract, Cartridge does not eject, Hammer does not cock with decocking /safety lever in fire (up) position, Hammer does not decoct with decocking/Safety lever in safe (down) Position, Slide separates upon firing.
  
- 6) Which type of ammunition is authorized to be used with the 9mm pistol?
  - a. M880
  - b. M881
  - c. M883

d. M882

7) What is the name of item number 6?

- Disassembly lever
- Slide Stop
- Lanyard Loop
- Trigger

8) What is the name of item number 10?

- Lever
- Hammer
- Safety lever
- Trigger

9) Which is the proper technical manual for the 9mm Pistol?

- TM 9-1005-317-10
- TM 9-1005-500-10
- LO 9-1005-317-10
- TM 2005-317-10

10) When the 9mm pistol does not fire, there are four steps to solve this problem, what is step number 2?

- Check hammer; hammer does not fall
- Check decocking/safety lever.
- Check for faulty ammunition.
- Check ammunition for light or no firing pin indent of primer.

11) What do you do if the Cartridge does not eject out of the 9mm pistol?

- Check for broken ejector and evacuate to Organizational Maintenance.
- Check for broken ejector and fix it
- Check for broken ejector and evacuate to the hospital
- None of the above.

12) The slide and barrel assembly remains open after the last cartridge has been fired and ejected.

- T
- F

After a weapon has been cleared how, is the weapon secured?

---

What FM covers the M9?

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Will M9 weapon fire from the half-cocked position?

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What are the different firing positions for the M9 qualification range?

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Name 3 problems in target engagement?

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What are the two types of qualification courses for the M9?

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If a weapon is accidentally discharged does the firer get a replacement round?

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How many tables are fired for the Alternate Pistol Qualification Course?

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How many alibi rounds are allowed at the end of each table?

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### **SAMPLE RANGE CERTIFICATION TEST M249**

- 1) How many major components are there for the M249 SAW?
  - a. 19
  - b. 20
  - c. 15
  - d. 16
  
- 2) What is the maximum range of the M249 SAW?
  - a. 1000m
  - b. 3600m
  - c. 2600m
  - d. 4600m
  
- 3) What is the maximum effective range of the M249 SAW?
  - a. 3600m
  - b. 2000m
  - c. 1000m
  - d. 990m
  
- 4) What is the cyclic rate of the M249 SAW?
  - a. 650 to 850 rds/min
  - b. 600 to 800 rds/min
  - c. 700 to 900 rds/min
  - d. 750 to 950 rds/min
  
- 5) How long do you wait to clear all malfunction on the M249 SAW in a training situation?
  - a. 10 min
  - b. 20 min
  - c. 5 min
  - d. 15 min
  
- 6) If the M249 SAW stops firing, what do you do?
  - a. Take immediate action
  - b. Kick the weapon system
  - c. Call "ceasefire."
  - d. Take weapon to maintenance
  
- 7) If immediate action does not work, which one of the following do you look for?
  - a. Obstructions

- b. Lubrication
- c. Dirt
- d. Damaged Parts
- e. All of the above

8) What two steps should you take if you have a runaway machine gun?

- a. Let weapon continue firing if the near end of link belt or magazine capacity.
- b. Grab cocking handle (Palm up) Pull all the way back and hold. Push safety to the right, raise the cover, remove link belt, or magazine.
- c. Let weapon continue firing, break link belt in half.
- d. Both a and b

9) What TM covers the M249 SAW?

- a. TM 9-1005-201-10
- b. TM 6-1005-201-10
- c. TM 9-1005-281-10
- d. LO 9-1005-201-10

What is considered a malfunction on the M249 weapon?

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What FM covers operation of the M249 Light Machine Gun?

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After a stoppage occurs and immediate action has failed what are the cold weapon procedures?

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After a stoppage occurs and immediate action has failed what are the hot weapon procedures?

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When you have a malfunction of sluggish operation what are the corrective measures you can take?

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When you have a failure to cock or a runaway weapon what are the probable causes?

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What are the DODICS of the ammunition used for M249 qualification and zeroing?

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How can Cook-off of rounds be avoided?

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What are the corrective actions if you have a failure to eject?

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What are the probable causes of a failure to feed?

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What is the acronym for immediate action on the M249?

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What are the procedures for loading belted ammunition?

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**Appendix K  
Deliberate Risk Assessment Form, DD Form 2977**

DELIBERATE RISK ASSESSMENT WORKSHEET						
1. MISSION/TASK DESCRIPTION					2. DATE (DD/MM/YYYY)	
3. PREPARED BY						
a. Name (Last, First Middle Initial)			b. Rank/Grade	c. Duty Title/Position		
d. Unit		e. Work Email		f. Telephone (DSN/Commercial (Include Area Code))		
g. UIC/CIN (as required)		h. Training Support/Lesson Plan or OPORD (as required)		i. Signature of Preparer		
Five steps of Risk Management: (1) Identify the hazards (2) Assess the hazards (3) Develop controls & make decisions (4) Implement controls (5) Supervise and evaluate (Step numbers not equal to numbered items on form)						
4. SUBTASK/SUBSTEP OF MISSION/TASK	5. HAZARD	6. INITIAL RISK LEVEL	7. CONTROL	8. HOW TO IMPLEMENT/WHO WILL IMPLEMENT	9. RESIDUAL RISK LEVEL	
+		EH		How:	EH	
				Who:		
-						
10. OVERALL RESIDUAL RISK LEVEL (All controls implemented):						
<input type="checkbox"/> EXTREMELY HIGH <input type="checkbox"/> HIGH <input checked="" type="checkbox"/> MEDIUM <input type="checkbox"/> LOW						
11. OVERALL SUPERVISION PLAN AND RECOMMENDED COURSE OF ACTION						
Please enter Dates of scheduled training:						
12. APPROVAL OR DISAPPROVAL OF MISSION OR TASK <input type="checkbox"/> Approve <input type="checkbox"/> Disapprove						
a. Name (Last, First, Middle Initial)		b. Rank/Grade	c. Duty Title/Position	d. Signature of Approval Authority		
e. Additional Guidance:						

**Appendix L  
Camp Edwards Liability Release Form**

**JOINT BASE CAPE COD LIABILITY  
RELEASE AND INDEMNIFICATION**

In consideration for permission to enter and to use the facilities of the Joint Base Cape Cod (JBCC), I hereby agree to assume all risk of injury to myself or damage to my property as a result of my being on and/or using the facilities of JBCC. I hereby release and hold harmless the United States, the Commonwealth of Massachusetts any municipality of the Commonwealth of Massachusetts, and/or any subdivision, agent, servant or employee of the United States or the Commonwealth of Massachusetts or any municipality of the Commonwealth of Massachusetts from any liability for damage or injury to my person and/or property while I am on or utilizing the aforementioned facilities.

I further agree on behalf of myself, my heirs, successors, legatees and assigns, to defend, indemnify, and otherwise hold harmless the United States, the Commonwealth of Massachusetts any municipality of the Commonwealth of Massachusetts, and/or any subdivision, agent, servant or employee of the United States of the Commonwealth of Massachusetts or any municipality of the Commonwealth of Massachusetts in any and all actions brought in law or equity which may be brought against them for damage or injury to any person or his/her property which may arise out of the conduct, allegedly performed by myself or my agents, servants or employees be it intentional or negligent, grossly negligent or willful, wanton or reckless, arising out of my aforementioned permission to enter and use JBCC or its facilities.

I HAVE BEEN ADVISED THAT INHERENTLY DANGEROUS CONDITIONS MAY EXIST ON JBCC AND ITS SURROUNDINGS BECAUSE OF ITS MILITARY USE.

I agree to comply with all JBCC regulations and the lawful orders of the military authorities on JBCC. I understand that my failure to do so will result in my being removed from the JBCC. I further understand that my use of the JBCC is subject to the needs of the military to use said facilities.

**IF MINOR:** Parental Consent

I (the parent or guardian) \_\_\_\_\_ agree to the above release on behalf of my minor child \_\_\_\_\_ and consent to his/her participation in the events to be held on JBCC.

I HAVE READ THE PRECEDING RELEASE AND INDEMNIFICATION ABOVE AND UNDERSTAND ALL THE AGREEMENTS, MY ASSUMPTION OF RISK, LIABILITY AND THE WARNINGS CONTAINED THEREIN.

NAME: _____	_____
(INDIVIDUAL)	(PARENT OR GUARDIAN NAME)
SIGNATURE: _____	_____
	(PARENT OR GUARDIAN
SIGNATURE)	
ADDRESS: _____	_____
	(PARENT OR GUARDIAN ADDRESS)
	_____
TELEPHONE: _____	_____
	(PARENT OR GUARDIAN
TELEPHONE)	
DATE: _____	
_____	

(DATE)

WITNESS: \_\_\_\_\_

DESIGNATION: \_\_\_\_\_

\_\_\_\_\_

SSN:

\_\_\_\_\_  
NAME OF EVENT

## Appendix M

### ENVIRONMENTAL PERFORMANCE STANDARDS

APRIL 6, 2017

For Massachusetts National Guard Properties at the Massachusetts Military Reservation

#### CAMP EDWARDS TRAINING AREA GENERAL PERFORMANCE STANDARDS

None of the following banned military training activities shall be allowed in the Camp Edwards Training Areas:

- Artillery live fire
- Mortar live fire
- Demolition live fire training
- Artillery bag burning
- Non-approved digging, deforestation or vegetation clearing
- Use of 'CS', riot control, or tear gas for training outside the NBC bunkers
- Use of field latrines with open bottoms
- Vehicle refueling outside designated Combat Service Area and Fuel Pad locations
- Field maintenance of vehicles above operator level

Limitations on the use of small arms ammunition and live weapon fire fall into the following two categories:

- Live weapon fire is prohibited outside of established small arms ranges. Live weapon fire is not allowed on established small arms ranges except in accordance with Environmental Performance Standard 19, other applicable Performance Standards, and a range-specific plan approved through the Environmental Management Commission (EMC).
- Blank ammunition for small arms and simulated munitions may be used in areas outside of the small arms ranges, using only blank ammunition and simulated munitions identified on an approved list of munitions. Joint review and approval for inclusion on the list shall be through by the Environmental & Readiness Center (E&RC) and the EMC.

Each user will be responsible for proper collection, management, and disposal of the wastes they generate, as well for reporting on those actions.

Use and application of hazardous materials or disposal of hazardous waste shall be prohibited except as described in the Groundwater Protection Policy.

Vehicles are only authorized to use the existing network of improved and unimproved roads, road shoulders, ranges and bivouac areas, except where necessary for land rehabilitation and management, water supply development, and remediation, or where roads are closed for land rehabilitation and management.

#### **Protection and management of the groundwater resources in the Camp Edwards Training Area will focus on the following:**

- Development of public and Massachusetts Military Reservation water supplies.
- Preservation and improvement of water quality and quantity (recharge).
- Activities compatible with the need to preserve and develop the groundwater resources.

All users of the Camp Edwards Training Area must comply with the provisions of the Groundwater Protection Policy and any future amendments or revisions to the restrictions and requirements. These will apply to all uses and activities within the overlays relative to Wellhead Protection, Zone II's within the Cantonment Area, and the Camp Edwards Training Areas.

Development of water supplies will be permitted within the Camp Edwards Training Area after review and approval by the managing agencies, principally the Department of the Army and its divisions,

together with the Massachusetts Department of Environmental Protection, and the Massachusetts Division of Fish and Wildlife.

All phases of remediation activities will be permitted within the Camp Edwards Training Area after review and approval by the managing agencies, principally the Department of the Army and its divisions, together with the federal and state agencies who will have jurisdiction for remediation.

**Pollution prevention and management of the Camp Edwards training ranges will focus on and include the following:**

The Camp Edwards Training Area, including the Small Arms Ranges (SAR) and their associated "Surface Danger Zones," and any areas where small arms or other munitions or simulated munitions are used, shall be managed as part of a unique water supply area under an adaptive management program that integrates pollution prevention, and best management practices (BMP), including the recovery of projectiles. This will be done through individual range-specific plans that are written by the Massachusetts National Guard and approved for implementation through the EMC and any other regulatory agency having statutory and/or regulatory oversight. Adaptive, in this context, means making decisions as part of a continual process of monitoring, reviewing collected data, evaluating advances in range monitoring, design and technology, and responding with management actions as dictated by the resulting information and needs of protecting the environment while providing compatible military training within the Upper Cape Water Supply Reserve.

A range plan shall be designed and followed to reduce the potential for an unintended release to the environment outside of the established containment system(s) identified in the range-specific plans. All users must be aware of, and comply with, the Environmental Performance Standards that are applicable to all SAR activities. Any range specific requirements will be coordinated through the E&RC with the EMC, incorporating those specific requirements into the appropriate range-specific plans and range information packets. Camp Edwards SAR Pollution Prevention Plan shall be followed to prevent or minimize releases of metals or other compounds related to the normal and approved operation of each SAR. The adaptive SAR management program components required in each range-specific plan shall include:

- Consultation with applicable agencies with oversight of the training area before undertaking any actions that are subject to state and/or federal regulatory requirements.
- Specific recovery plans for the removal and proper disposition of spent projectiles, residues and solid waste associated with the weapons, ammunition, target systems, and/or their operation and maintenance.
- Reduction of adverse impacts to the maximum extent feasible, including consideration for the design/redesign and/or relocation of the activity or encouraging only those activities that result in meeting the goal of overall projectile and/or projectile constituent containment.
- Internal and external coordination of documentation for the Camp Edwards range management programs and other related Camp Edwards management programs including: the Integrated
- Training Area Management Program, Range Regulations, Camp Edwards Environmental Management System, Civilian Use Manual, and Standard Operating Procedures.
- Long-term range maintenance, monitoring and reporting of applicable parameters and analysis.

The Massachusetts National Guard shall ensure that all training areas where munitions or simulated munitions are used or come to be located, including range areas, range surface danger zones, and any other areas within the Upper Cape Water Supply Reserve that are operational ranges are maintained and monitored following approved management plans that include planning for pollution prevention, sustainable range use and where applicable, restoration.

**Protection and management of the vegetation of the Camp Edwards Training Area for focus on the following:**

- Preservation of the habitat for federal- and state-listed rare species and other wildlife.
- Preservation of the wetland resource areas.
- Activities compatible with the need to manage and preserve the vegetative resources.
- Realistic field training needs.
- Identification and restoration of areas impacted by training activities.

**Goals for the Adaptive Ecosystem Management approach to management of the Camp Edwards properties will be as follows:**

- Management of the groundwater for drinking water resources
- Conservation of endangered species.
- Management of endangered species habitat for continuation of the species.
- Ensuring compatible military training activities.
- Allowing for compatible civilian use.
- Identification and restoration of areas impacted by training activities.

The Environmental Performance Standards will be incorporated into the programs and regulations of the Massachusetts National Guard as follows. Those standards relating to natural resources management shall be incorporated as standards into each of the state and federal environmental management programs and attached as an appendix or written into the documentation accompanying the plan or program. All the Environmental Performance Standards will be attached to the Integrated Training Area Management Plan 'Trainer's Guide' and to the Camp Edwards Range Regulations. Modification of the Standards Operating Procedures will include review and conformance with the Environmental Performance Standards for trainers and soldiers at Camp Edwards.

**SPECIFIC RESOURCE PERFORMANCE STANDARDS IN THE CAMP EDWARDS TRAINING AREA**

**1. Groundwater Resources Performance Standards**

1.1. All actions, at any location within the Camp Edwards Training Areas, must preserve and maintain groundwater quality and quantity, and protect the recharge areas 1:0 existing and potential water supply wells. All areas within Camp Edwards Training Areas will be managed as State Zone U, and, where designated, Zone I, water supply areas.

1.2 The following standards shall apply to designated Wellhead Protection Areas:

- The 400-foot radius around approved public water supply wells will be protected from all access with signage. That protection will be maintained by the owner and/or operator of the well, or the leaseholder of the property.
- No new stormwater discharges may be directed into Zone I areas.
- No in ground septic system will be permitted within a Zone I area.
- No solid wastes may be generated or held within Zone I areas except as incidental to the construction, operation, and management of a well.
- Travel in Zone I areas will be limited to foot travel or to vehicles required for construction, operation, and maintenance of wells.
- No new or existing bivouac activity or area shall be located within a Zone I area.

All other areas will be considered as Zone II designated areas and will be subject to the standards of the Groundwater Protection Policy.

1.3 Land-use activities that do not comply with either the state Wellhead Protection regulations (310 CMR 22.00 et seq.) or the Groundwater protection Policy are prohibited.

1.4 All activities will support and not interfere with either the Impact Area Groundwater Study and/or the Installation Restoration Program. All activities shall conform to the requirements of Comprehensive Environmental Response, Compensation and Liability Act, the Massachusetts Contingency Plan, and the Safe Drinking Water Act.

1.5 Extraction, use, and transfer of the groundwater resources must not de-grade [e.g. draw down surface waters] in freshwater ponds, vernal pools, wetlands, and marine waters, unless properly reviewed, mitigated, and approved by the managing and regulating agencies.

1.6 Land uses and activities in the Camp Edwards Training Areas will meet the following standards:

Will conform to all existing and applicable federal, state and local regulations.

Must be able to be implemented without interference with ongoing remediation projects.

Allow regional access to the water supplies on the Massachusetts Military Reservation.

1.7 The following programs and standards will be used as the basis for protecting groundwater resources in the Camp Edwards Training Areas:

Groundwater Protection Policy.

Federal and Department of Defense environmental programs: Integrated Natural Resources Management Plan, Integrated Training Area Management Program, Range Regulations, Spill Prevention Control and Countermeasures Plan (or equivalent), Installation Restoration *Plan*, Impact Area Groundwater Study, or other remediation programs.

State and federal laws and regulations pertaining to water supply.

## **2. Wetlands and Surface Water Performance Standards**

2.1 Since there are relatively few wetland resources found at the Massachusetts Military Reservation, and since they are important to the support of habitat and water quality on the properties, the minimum standard will be no net loss of any of the wetland resources or their 100-foot buffers.

2.2 Land uses and activities will be managed to prevent and mitigate new adverse impacts and eliminate or reduce existing conditions adverse to wetlands and surface water resource areas. Impacts from remediation activities may be acceptable with implementation of reasonable alternatives.

2.3 Wetland area management priorities:

Protection of existing; wetland resource areas for their contributions to existing and potential drinking water supplies.

Protection of wetlands for rare species and their habitats.

Protection of human health and safety.

2.4. Activities will be managed to preserve and protect wetlands and vernal pools as defined by applicable, federal, state, and local regulations. These activities will include replacement or replication of all wetland resource buffer areas, which are lost after completion of an activity or use.

2.5 All land altering activities within 100 feet of a certified vernal pool must be reviewed before commencement by the Massachusetts Department of Environmental Protection/Wetlands Unit and the Natural Heritage and Endangered Species Program within the Division of Fish and Wildlife for impacts to wildlife and habitat. The certification of vernal pools will be supported by the on site personnel and will proceed with the assistance of the appropriate state agencies.

2.6 All new uses or activities will be prohibited within the wetlands and their 100-foot buffers, except those associated with an approved habitat enhancement or restoration program; those on existing

improved and unimproved roads where appropriate sediment and erosion controls are put in place prior to the activity; or those where no practicable alternative to the proposed action is available. No new roads should be located within the 100-foot buffers. Existing roads within such buffers should be relocated provided that:

- The relocation does not cause greater environmental impact to other resources.
- There are funds and resources allocated for resource management and that those resources are approved and available for the relocation.

2.7 During the period of 15 February to 15 May, listed roads/trails within 500 feet of wetlands will be closed to vehicle access to protect the migration and breeding of amphibians. Emergency response and environmental management activities will not be restricted.

- Donnelly and Little Halfway Ponds maneuver trails (excluding the permanently closed section along the eastern edge of Donnelly Pond) from Frank Perkins Road north to Wood Road
  - Red Maple Swamp trail from Wood Road north and east to Avery Road
  - Orchard and Jefferson Roads (continuous) from Cat Road south and east to Burgoyne Road
  - Maneuver trail(s) in powerline easement north of Gibbs Road from Goat Pasture Road west to the boundary of training areas C-13 and C-14
  - Grassy Pond trail (side access to Sierra Range) from Gibbs Road south to Sierra Range
  - Sandwich Road from the powerline easement north to the gas pipeline right of way
  - Bypass Bog/Mike Range Road from entrance to Mike Range south and west to Greenway Road
- 2.8 No new bivouac area shall be located within 500 feet of any wetland. Any existing bivouac within a wetland buffer shall be relocated provided there are funds and resources allocated for the relocation.

### **3. Rare Species Performance Standards**

3.1 As the Natural Heritage and Endangered Species Program of the Massachusetts Division of Fisheries & Wildlife has identified the entire Massachusetts Military Reservation as State Priority Habitat for statelisted

species (version dated 2000-2001), all activities and uses must comply with the Massachusetts Endangered Species Act and its regulations.

3.2 Where activities and uses are not specifically regulated under the Camp Edwards Training Area Range and Environmental Regulations, including these Environmental Performance Standards, the MMR Environmental and Readiness Center must review the activities for conformance with the Integrated Natural Resource Management Plan, and shall- consult with the Natural Heritage and Endangered Species Program regarding potential impacts to state-listed species.

3.3 All activities impacting rare species habitat must be designed to preserve or enhance that habitat as determined by the MMR Environmental and Readiness Center in consultation with the Natural Heritage and Endangered Species Program.

3.4 Users are prohibited from interfering with state and federal listed species.

3.5 Users will report all sightings of recognized listed species, e.g. box turtles, within any area of the Massachusetts Military Reservation.

### **4. Soil Conservation Performance Standards**

4.1 Activities and uses must be compatible with the limitations of the underlying soils. Limitations on uses and activities may be made where the soils or soil conditions would not support the activity.

4.2 Agricultural soil types will be preserved for future use.

4.3 Any perennial or intermittent stream identified by the Environmental & Readiness Center Office will be protected from siltation by retaining undisturbed vegetative buffers to the extent feasible.



4.4 Cultural resource evaluations must be completed before any earth-moving operation may take place in undisturbed areas with high potential for cultural resources, and earth moving may be limited to specific areas (See Cultural Resource Performance Standards).

4.5 An erosion control analysis will be made part of the land management programs (Integrated Natural Resource Management Plan, the Integrated Training Area Management Program, Range Regulations, Civilian Use, and Standard Operating Procedures) for the Camp Edwards Training Area, including appropriate mitigation measures where existing or potential erosion problems are identified.

4.6 For all improved and unimproved roads, ditches and drainage ways:

- All unimproved roads, ditches, roads and drainage ways identified for maintenance will be cleaned of logs, slash and debris.
- Unimproved roads and roads may not otherwise be improved unless approved for modification.
- Any trail, ditch, road, or drainage way damaged by activities will be repaired in accordance with the hazard and impact it creates.

4.7 Erosion-prone sites will be inspected periodically to identify damage and mitigation measures.

## **5. Vegetation Management Performance Standards**

5.1 All planning and management activities impacting vegetation

- Will ensure the maintenance of native plant communities, and
- Shall be performed to maintain the biological diversity.

5.2 Revegetation of disturbed sites will be achieved by natural and artificial recolonization by native species.

5.3 Timber harvesting or clear-cutting of forested areas should not occur on steep slopes with unstable soils or within the buffers to wetland resources.

5.4 Vegetation management will be subject to a forest management and fire protection program prepared by the users in accordance with federal standards, and carried out in a manner acceptable to the Massachusetts Military Reservation Committee and other state agencies or commissions, as may be designated by the Commonwealth of Massachusetts.

## **6. Habitat Management Performance Standards**

6.1 The Camp Edwards Training Area will be managed as a unique rare species and wildlife habitat area under an adaptive ecosystem management program that integrates ecological, socio-economic, and institutional perspectives, and which operates under the following definitions:

- Adaptive means making decisions as part of a continual process of monitoring, reviewing collected data, and responding with management actions as dictated by the resulting information and needs of the system.
- Ecosystem means a system-wide understanding of the arrangements of living and non-living things, and the forces that act upon and within the system.
- Management entails a multi-disciplinary approach where potentially competing interests are resolved with expert analysis, user and local interest considerations, and a commitment to compromise interests when the broader goal is achieved to manage the Camp Edwards Training Area as a unique wildlife habitat area.

6.2 The adaptive ecosystem management program will include:

- Coordinated documentation for the management programs, Integrated Natural Resource Management Plan, the Integrated Training Area Management Program, Range Regulations, Civilian Use, and Standard Operating Procedures.
- The Massachusetts National Guard Environmental and Readiness Center staff and necessary

funding to support its ecosystem management plans, as related to the amount of training occurring.

- Cooperative agreements to create a management team of scientific and regulatory experts.
- Long-term land maintenance, monitoring of resources and trends, study and analysis.
- Recovery plans for species and habitats identified for improvement.
- Consultation with Federal and State agencies charged with oversight of the Endangered Species Program before any actions that may affect state and federal-listed species habitat.
- Reduction of adverse impacts to the maximum extent possible, including consideration for the relocation of the activity or encouraging only those activities that result in meeting a habitat management goal.
- Habitat management activities designed to promote protection and restoration of native habitat types.

### **7. Wildlife Management Performance Standards**

7.1 Native wildlife habitats and ecosystems management will focus on the following:

- Protecting rare and endangered species, and,
- Maintaining biodiversity.

7.2 Hunting, recreation and educational trips must be approved, scheduled, planned, and supervised through Range Control.

7.3 Any activity or use will prioritize protection of life, property, and natural resource values at the boundaries of the Camp Edwards Training Area where wildlife interfaces with the surrounding built environment.

7.4 Wildlife management will include the following actions, specific to the species targeted for management:

- Development and implementation of a plan to monitor hunting of game species.
- Planning for multi-use objectives for recreation and hunting that incorporate public input and recommendations.
- Development of suitable monitoring programs for federal and state-listed species, and regular exchange of information with the Natural Heritage and Endangered Species Program.

### **8. Air Quality Performance Standard**

8.1 All uses and activities will be responsible for compliance with both the State Implementation Plan for Air Quality and the Federal Clean Air Act.

8.2 Air quality management activities will include air sampling if required by regulation of the activity.

### **9. Noise Management Performance Standards**

9.1 Noise management activities shall conform to the Army's Environmental Noise Management Program policies for evaluation, assessment, monitoring, and response procedures.

### **10. Pest Management Performance Standards**

10.1 Each user will develop and implement an Integrated Pest Management Program to control pest infestations that may include outside contracting of services. Non-native biological controls should not be considered unless approved by federal and state agencies.

10.2 Each user will be held responsible for management of pests that threaten rare and endangered species, or are exotic and invasive species, Invasive plant species that may be considered pest species are

those defined by the United States Fish and Wildlife Service and the Massachusetts Natural Heritage and Endangered Species Program of the Division of Fisheries and Wildlife office. Site-specific analysis will be performed before implementation of any proposed pest management plans.

10.3 Pest vegetation control must be balanced against environmental impact and any proposed pest management activities, including the use of herbicides and mechanical methods, within rare species habitat areas must be approved by the Natural Heritage and Endangered Species Program, or in the case of federally listed species, by the United States Fish and Wildlife Service.

10.4 Only herbicide formulations approved by the United States Environmental Protection Agency, the Department of Agriculture, the agency managing the user, and the Commonwealth of Massachusetts may be applied.

10.5 Herbicides and pesticides will not be applied by aerial spraying unless required by emergency conditions and approved under applicable state and federal regulations.

### **11. Fire Management Performance Standards**

11.1 All activities and uses shall manage, prevent, detect, and suppress fires on the Camp Edwards Training Area in coordination with the local and state fire services and natural resource managers in the Environmental & Readiness Center.

11.2 Prescribed burns will be used as a habitat management and fire prevention tool. Prescribed burns will be used to reduce natural fire potential and create or maintain diverse and rare species habitat.

11.3 Pre-suppression activities will include strategic firebreaks and other management of vegetation in high risk and high-incidence areas. The Integrated Natural Resource Management Plan and Fire Management Plan will be consulted for proposed actions.

11.4 Other than the above, no open fires are allowed.

### **12. Stormwater Management Performance Standards**

12.1 All stormwater facilities shall comply with the State Department of Environmental Protection Guidelines for Stormwater Management, including Best Management Practices and all other applicable standards for control and mitigation of increased storm water flow rates and improvement of water quality.

12.2 All increases in stormwater runoff will be controlled within the user's property.

12.3 No new stormwater discharges will be made directly into wetlands or wetland resource areas.

### **13. Wastewater Performance Standards**

13.1 All wastewater and sewage disposal will be in conformance with the applicable Federal and Massachusetts Department of Environmental Protection agency regulations.

### **14. Solid Waste Performance Standards**

14.1 All solid waste streams (i.e., wastes not meeting the criteria for hazardous wastes) will be monitored and managed to substitute, reduce, recycle, modify processes, implement best management practices, and/or reuse waste, thereby reducing the total tonnage of wastes,

14.2 All users will be held responsible for collection, removal and disposal outside of the Camp Edwards Training Areas of solid wastes generated by their activities.

14.3 All users must handle solid wastes using best management practices to minimize nuisance odors, windblown litter, and attraction of vectors.

14.4 No permanent disposal of solid waste within the Groundwater protection Policy area/Camp Edwards field training areas will be permitted.

### **15. Hazardous Materials Performance Standards**

15.1 Where they are permitted, use and application of hazardous materials shall be otherwise minimized in accordance with pollution prevention and waste minimization practices, including material substitution.

15.2 No permanent disposal of hazardous wastes within the Groundwater protection Policy area/Camp

Edwards field training areas will be permitted.

### 15.3 Fuel Management

15.3.1 Spill Prevention, Control, and Countermeasure Plan, is in place to reduce potential for a release. Camp Edwards Spill Response Plan is in place to respond to a release if an event should occur. All users will comply with these plans at the Camp Edwards Training Area.

15.3.2 If found, non-complying underground fuel storage tanks will be removed in accordance with state and federal laws and regulations to include remediation of contaminated soil.

15.3.3 No storage or movement of fuels for supporting field activities, other than in vehicle fuel tanks, will be permitted except in approved containers no greater than five gallons in capacity.

15.3.4 New storage tanks are prohibited unless they meet the following requirements:

Are approved for maintenance heating, or, permanent emergency generators and limited to propane or natural gas fuels.

Conform to the Groundwater Protection Policy and applicable codes.

### 15.4 Non-fuel Hazardous Material Storage

15.4.1 No storage above those quantities necessary to support field training activities will be allowed within the Camp Edwards Training Area except where necessary to meet regulatory requirements, and where provided with secondary containment.

15.4.2 When required by applicable regulation, the user shall implement a Spill Prevention, Control and Containment/Emergency Response or other applicable response plan.

## 16. Hazardous Waste Performance Standards

16.1 All uses shall comply with applicable local, state, and federal regulations governing hazardous waste generation, management, and disposal (including overlays relative to Wellhead Protection, Zone II's within the Cantonment Area) .

16.2 Accumulations of hazardous waste shall be handled in accordance with regulations governing accumulation and storage.

16.3 Existing facilities must implement pollution prevention and waste minimization procedures (process modifications, material substitution, recycling, and best management practices) to minimize waste generation and hazardous materials use.

16.4 Occupants and users will be held responsible for removing all solid or hazardous wastes generated during the period of use/tenancy/visitation upon their departure or in accordance with other applicable or relevant regulations.

16.5 Remedial activities undertaken under the Installation Restoration Program, the Impact Area Groundwater Study Program, the Massachusetts Contingency Plan, or other governing remediation programs are exempt from additional regulation (e.g., waste generation volume limits). Removal, storage, and disposal of contaminated material are required to comply with all state, and federal regulations.

16.6 Post-remedial uses and activities at previously impacted sites will be allowed in accordance with terms and conditions of the applicable regulations.

16.7 All hazardous wastes will be transported in accordance with federal Department of Transportation regulations governing shipment of these materials.

16.8 Transport shall reduce the number of trips for transfer and pick-up of hazardous wastes for disposal to extent feasible. Tills may include planning appropriate routes that minimize proximity to sensitive natural resource areas, and reducing internal transfers of material, including transfers from bulk storage tanks to drums, tankers, carboys, or other portable containers or quantities.

16.9 No permanent disposal of hazardous wastes within the Groundwater Protection Policy area/Camp Edwards field training areas will be permitted.

## 17. Vehicle Performance Standards

17.1 Vehicles within the Camp Edwards Training Area will be limited to the existing improved and unimproved road system except where required for natural resource management or property maintenance

or where off-road activity areas are located and approved by the Environmental and Readiness Center in consultation with the Massachusetts Division of Fisheries and Wildlife.

17.2 Unimproved, established access ways will be limited to use by vehicles in accordance with soil conditions as described in the Soil Conservation Performance Standards.

17.3 The number of military and civilian vehicles within the Camp Edwards Training Area will be controlled using appropriate scheduling and signage.

## **18. General Use and Access Performance Standards**

18.1 General User Requirements. Requirements that will apply to all users, both public and private, in the Camp Edwards Training Area include the following:

- All acts that pollute the groundwater supply are prohibited.
- No litter or refuse of any sort may be thrown or left in or on any property.
- All users will be held responsible for providing, maintaining, and re- moving closed-system, sanitary facilities necessary for their use and activity.
- No person shall wade or swim in any water body except for activities approved by the Massachusetts National Guard including remediation, scientific study, or research.
- Vehicles may only be driven on roads authorized and designated for such use and parked in designated areas, and may not cross any designated wetland.
- Public users may not impede the military training activities.

18.2. Civilian Use Manual. To guide public conduct on the Massachusetts Military Reservation, a Civilian Use Manual will be prepared and periodically updated. All civilian users will obtain and follow this Manual.

18.3. Siting and Design Performance Standards

18.3.1 New or expanded buildings should not be proposed within the Camp Edwards Training Areas, with the following exceptions:

- Buildings to support allowed training, operations and activities, including upgrading of those facilities currently in place,
- Buildings used for the purposes of remediation activities,
- Buildings used for the purposes of development, operation and maintenance of water supplies,
- Buildings used for the purpose of natural resource and land management.

## **19. Range Performance Standards**

19.1. All operational ranges including but not limited to small arms ranges (SAR) shall be managed to minimize harmful impacts to the environment within the Upper Cape Water Supply Reserve. Range management at each range shall include to the maximum extent practicable metal recovery and recycling, prevention of fragmentation and ricochets, and prevention of sub-surface percolation of residue associated with the range operations. Camp Edwards shall be held responsible for the implementation of BMPs by authorized range users, including collection and removal of spent ammunition and associated debris.

19.2. Small arms ranges shall only be used in accordance with approved range plans. These plans shall be designed to minimize to the maximum extent practicable the release of metals or other contaminants to the environment outside of specifically approved containment areas/systems. Occasional ricochets that result in rounds landing outside of these containment areas is expected and every effort to minimize and correct these occurrences shall be taken. Failure to follow the approved range plans shall be considered a violation of this EPS.

19.3. All operational SARs shall be closely monitored by the Massachusetts National Guard to assess compliance of the approved range plans as well as the implementation and effectiveness of the range

specific BMPs.

19.4. Camp Edwards/Massachusetts National Guard Environmental and Readiness Center shall staff and request appropriate funding to support its SAR management plans.

19.5. All users must use and follow Camp Edwards' Range Control checklists and procedures to:

- Minimize debris on the range (e.g. shell casings, used targets)
- Minimize or control residues on the ranges resulting from training (e.g., unburned constituents, metal shavings from the muzzle blast)
- Ensure the range is being used for the designated purpose in accordance with all applicable plans and approvals

19.6. Camp Edwards is responsible for following range operation procedures and maintaining range pollution prevention systems. Range BMPs shall be reviewed annually for effectiveness and potential improvements in their design, monitoring, maintenance, and operational procedures in an effort to continually improve them. Each year the annual report shall detail the range-specific activities including, but not limited to, the number of rounds fired, number of shooters and their organization, and the number of days the range was in use. The annual report will also detail active SAR groundwater well and lysimeter results, as well as any range maintenance/management activities that took place that training year and the result of such activities, i.e. lbs of brass and projectiles recovered and recycled, etc. The Massachusetts National Guard shall provide regular and unrestricted access for the EMC to all its data and information, and will provide immediate access to environmental samples from the range, including range management and monitoring systems and any other applicable activities operating on the ranges.

19.7. Range plans and BMPs for training areas shall be reviewed and/or updated at least every three years. Management plans for new and upgraded ranges shall be in place prior to construction or utilization of the range. Range plans, at a minimum, will address long-term sustainable use, hydrology and hydrogeology, physical design, operation, management procedures, record keeping, pollution prevention, maintenance, monitoring, and applicable technologies to ensure sustainable range management. Range plans shall be integrated with other training area planning processes and resources.

19.8. The Massachusetts National Guard shall establish procedures for range maintenance and where applicable, maintenance and/or clearance operations to permit the sustainable, compatible, and safe use of operational ranges for their intended purpose within the Upper Cape Water Supply Reserve. In determining the frequency and degree of range maintenance and clearance operations, the Massachusetts National Guard shall consider, at a minimum, the environmental impact and safety hazards, each range's intended use, lease requirements, and the quantities and types of munitions or simulated munitions expended on that range.

## **Glossary**

### **Section I**

#### **Abbreviations**

**AASF**

Army Aviation Support Facility

**AC**

Active Component

**ADSW**

Active Duty Special Work

**ADT**

Active Duty Training

**AGR**

Active Guard Reserves

**AKO**

Army Knowledge Online

**APFT**

Army Physical Fitness Test

**ARFORGEN**

Army Forces Generation

**ARNG**

Army National Guard

**AT**

Annual Training

**BEQ**

Bachelor Enlisted Quarters

**BOQ**

Bachelor Officer Quarters

**CAC**

Common Access Card

**CGES**

Coast Guard Exchange System

**DA**

Department of the Army

**DFAC**

Dining Facility

**DFE**

Directorate of Facilities Engineering

**DoD**

Department of Defense

**DOL**

Directorate of Logistics

**DOMS**

Domestic Operations Military Support

**E&RC**

Environmental and Readiness Center

**EMC**

Environmental Management Commission

**EPS**

Environmental Performance Standards

**ESGR**

Employer Support for the Guard and Reserves

**FAA**

Federal Aviation Administration

**FMTV**

Family of Medium Tactical Vehicles

**GIS**

Geographic Information System

**GPM**

Gallons per Minute

**GSA**

General Services Administration

**HMMWV**

High Mobility Multi-Purpose Wheeled Vehicle

**IDT**

Inactive Duty for Training

**IIC**

Identifiable Incremental Costs

**JFHQ**

Joint Force Headquarters

**LEA**

Law Enforcement Activity

**LMTV**



Light Medium Tactical Vehicle

**MAANG**

Massachusetts Air National Guard

**MAARNG**

Massachusetts Army Nation Guard

**MAKO**

Massachusetts Knowledge Online

**MANG**

Massachusetts National Guard (Both Army and Air)

**MassDEP**

Massachusetts Department of Environmental Protection

**MIPR**

Military Interdepartmental Purchase Request

**JBCC**

Massachusetts Military Reservation

**MOUT**

Military Operations on Urban Terrain

**MSP**

Massachusetts State Police

**MTV**

Medium Tactical Vehicles

**NCO**

Non-Commissioned Officer

**NCOIC**

Non-Commissioned Officer in Charge

**OIC**

Officer in Charge

**OC**

Overhead Costs

**OSPCP**

Oil Spill Prevention and Contingency Plan

**PDA**

Personal Digital Assistant

**PHA**

Periodic Health Assessment

**POL**

Petroleum, Oils, and Lubricants

**PPE**

Personal Protective Equipment

**PSI**

Pounds per Square Inch

**PTD**

Plans and Training Directorate

**RC**

Range Control

**RCAS**

Reserve Component Automation System

**RFMSS**

Range Facility Management Support System

**RSO**

Range Safety Officer

**RSRP**

Reverse Soldier Readiness Program

**RTO**

Radio Telephone Operator

**SBEQ**

Senior Bachelor Enlisted Quarters

**SBOQ**

Senior Bachelor Officer Quarters

**SINGARS**

Single Channel Ground and Airborne Radio System

**SRP**

Soldier Readiness Program

**SOP**

Standard Operating Procedure

**TADSS**

Training Aids, Devices, Simulators and Simulations

**TAGMA**

The Adjutant General – Massachusetts

**TRACON**

Terminal Radar Approach Control

**TSC**

Training Support Center

**UAS**

Unmanned Aircraft System

**UAV**

Unmanned Aerial Vehicle

**UECO**

Unit Environmental Compliance Officers

**USCG**

United States Coast Guard

**UTES**

Unit Training Equipment Site

**UXO**

Unexploded Ordnance

## **Section II**

### **Terms**

#### **ARFORGEN**

A deployment cycle process used to manage the force and ensure the ability to support demands for Army forces.

#### **Chargeable Transient Quarters**

Quarters that provide material amenities to enhance the quality of life, and may or may not include maid service.

#### **DA Form**

A form used throughout the Army; any form that is used by more than one Army command or agency; approved by the U.S. Army Publishing Directorate.

#### **DOD Personnel**

Includes both military and DOD Civilian employees.

#### **Government Housing**

Housing which includes chargeable and nonchargeable housing.

#### **Identifiable Incremental Costs (IIC) and Overhead Costs (OC)**

A per-day charge that is levied against civilians and other than Army component users of training site facilities. This charge reimburses the Federal Government for funds appropriated to support the training site for Army component usage and which are expended to support utilization by other agencies.

#### **Common Area**

Areas located in buildings that are open to all guests: day rooms, kitchenettes, and all latrine areas located in buildings without private baths.

#### **Non-chargeable Transient Quarters**

Quarters that provide, as a minimum, shelter from the elements, minimal furnishings, and access to bath facilities.

#### **Non-Official User**

An individual who is:

1. Not on official orders for duty performed at the training site; and is
2. Not subject to payment of the current IIC and OC; and is not attending a scheduled training assembly. (This includes individuals who arrive prior to or remain after the scheduled training assembly for personal convenience).

#### **Non-Official Use Surcharge**

The additional daily charge is assessed on an individual who is classified as a non-official user and who utilizes chargeable housing. The additional charge is assessed to cover the utilities and recurring maintenance and repair that become a cost to the federal government as a result of such non-official use. Individuals paying IIC and OC are exempt from non-official use surcharge.

#### **Official User**

An individual who is on official orders for duty performed at the training site, or is subject to payment for the current Identifiable Incremental Costs (IIC) and Overhead Costs (OC), or is attending a scheduled training assembly. This includes individuals who arrive prior to or remain after a scheduled training assembly for the convenience of the government.

#### **Statement of Non-Availability**

A statement will be provided to authorize personnel to reside off-post and receive reimbursement for housing when housing is not available.

**Training Site**

Any ARNG training site which is supported 100% from federally appropriated funds.

**Training Status**

Duty performed in Annual Training (AT), Active Duty Training (ADT), Active Duty Special Work (ADSW) Title 32, Active Guard Reserve (AGR) Title 32, and Inactive Duty for Training (IDT) State or Federal Technician, regardless of entitlement to pay.

**Transient Housing**

Short-term accommodations for visitors to Active Component (AC) installation or ARNG training sites. Transient housing includes Unaccompanied Personnel Housing.

**Unaccompanied Personnel Housing (temporary duty) (UPH TDY)**

Housing used to provide accommodations for visitors to AC installations or ARNG training sites for authorized personnel. At ARNG training sites, housing is designated as Senior Bachelor Officer Quarters (SBOQ), Bachelor Officer Quarters (BOQ), Senior Bachelor Enlisted Quarters (SBEQ), and Bachelor Enlisted Quarters (BEQ).

**VisMod**

A Friendly vehicle modified to appear to be a threat vehicle.