

**DEPARTMENT OF THE ARMY
HEADQUARTERS, UNITED STATES ARMY SIGNAL CENTER OF EXCELLENCE
AND FORT GORDON
FORT GORDON, GEORGIA 30905-5735**

USASCoE&FG Regulation
No. 350-19

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**Installation
RANGE AND TRAINING AREAS**

Summary. This regulation provides procedures for the safe use of the ranges and training areas on Fort Gordon. This regulation supersedes FG Regulation 210-21.

Applicability. This regulation applies to any person, military, or civilian who uses the training areas and ranges on Fort Gordon. All units utilizing any range/training area facility must possess, read, understand, and comply with this regulation and familiarize themselves with Army Regulation (AR) 385-63.

Supplementation. Supplementation of this regulation is prohibited unless specifically approved by Commander, United States Army Signal Center of Excellence and Fort Gordon (USASCoE&FG), ATTN: IMSE GOR-PLT. This local regulation will supplement AR 385-63, DA PAM 385-63, and AR 350-19.

Suggested Improvements. The proponent of this regulation is the Directorate of Plans, Training, Mobilization, and Security (DPTMS). Users are invited to send comments and suggested improvements on Department of the Army (DA) Form 2028 (Recommended Changes to Publications and Blank Forms) to Commander, USASCoE&FG, ATTN: ATZH-DP, Fort Gordon, Georgia 30905-5735 and/or submit DA Form 1045 (Army Ideas for Excellence Program (AIEP) Proposal) to the installation AIEP coordinator.

Administrative Notes. The words "he" or "his" used in this publication are intended to include both the masculine and feminine genders.

Availability. This regulation is only available at the USASCoE&FG publications website at: <http://www.gordon.army.mil/doim/imc/Forms.htm>.

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Chapter 1.**General****1-1. Purpose.**

To establish procedures that ensure personnel safety during range training and special activities, and to establish uniform procedures for the use of range and training area facilities, while conducting training on the Fort Gordon Military Reservation.

- a. It is designed to facilitate combat realism in training, to maximize the availability of safe training areas and facilities, to minimize safety hazards, and to eliminate unsafe practices.
- b. This publication supersedes FG Regulation 210-21.

1-2. References.

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

1-3. Scope.

This regulation:

- a. Establishes standard terminology pertaining to range and training area facility operations.
- b. Prescribes procedures for the safe conduct of training on ranges and in training area(s) facilities.
- c. Establishes procedures for the scheduling of ranges and training areas and/or facilities.
- d. Provides a general description of ranges and training areas and facilities available for unit training.

1-4. Explanation of Abbreviations and Terms.

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

Chapter 2. Responsibilities

2-1. Directorate of Plans, Training, Mobilization, and Security (DPTMS), Installation Operations Center (IOC).

The IOC will:

- a. Function as the communications center after normal duty hours and during weekends.
- b. Provide weather updates to Range Control and units on the Fort Gordon Military Reservation.
- c. Function as the Command Center during emergencies on the Fort Gordon Military Reservation.
- d. Coordinate support from the Military Police (MP), Fire Department (FD), and local community emergency services.

2-2. DPTMS, Training Division (TD).

TD is responsible for:

- a. Overall supervision of installation ranges and training areas are through the Chief, Training Division.
- b. Establishing policies and procedures governing the use of installation ranges and training areas.
- c. Ensuring adequate staffing of Installation Range Control Branch.
- d. Ensuring compliance with Environmental and Natural Resources at the Federal, State, and local regulatory levels with regard to ranges and training area management.
- e. Coordinating with the Environmental and Natural Resources Management Office (ENRMO), and Directorate of Public Works (DPW), on all compliance issues.

2-3. DPTMS, Range Control.

a. The Installation Range Manager has overall control and responsibility for the safe conduct of training on the installation's range and training areas. The Installation Range Manager will:

- (1) Ensure that specific standard operating procedures are established, published, disseminated, and used by occupying units for each training area, range, and firing point designated for the conduct of live-fire and blank training IAW DA PAM 385-63.

(2) Ensure the Range Control's Operation Center conducts orientation and testing about the use of ranges and training areas. The orientation and testing will consist of, but not be limited to, range operations, environmental concerns, and post safety requirements IAW DA PAM 385-63.

(3) Manage the utilization of ranges and training areas and ensure that they are signed out no earlier than 24 hours prior to the scheduled usage time.

(4) Ensure the current range safety fans are prepared IAW DA PAM 385-63 and maintained at Range Control for each facility used for live-fire training.

(5) Ensure that proper signs are posted for all impact areas and dud areas IAW AR 385-63.

(6) Coordinate and function as the team leader of the Installation Investigation Team for investigating malfunctions and accidents that occur on the ranges and training areas.

(7) Designate danger areas and where/when roadblocks need to be manned by units using ranges and training areas.

(8) Ensure that all airborne operations are staffed through Plans and Operations and Training Divisions, and to include flight plan procedures.

(9) Coordinate with Environmental Division, DPW, concerning compliance with Federal, State, and local regulatory requirements. Immediately report all failures to comply with regulatory requirements by range and training area users to Environmental Division, DPW.

(10) Provide access to ranges to accomplish environmental missions.

b. The Range Control Operations Branch has the overall responsibility for coordination and scheduling of training areas and ranges. The Range Control Operations Branch will:

(1) Establish the Range Control Operations Branch as the communications center for all activities within the Fort Gordon Wildlife Management and Range Area.

(2) Establish guidelines for the scheduling of ranges and training areas.

(3) Verify unit personnel's credentials, Risk Assessment, and Record of Environmental Consideration prior to signing out safety equipment, training areas, and/or ranges.

(4) Establish policies for the safe operations of live-fire ranges and training events involving the use of pyrotechnics and blank ammunition.

(5) Report range and training area usage to DPTMS/TD.

(6) Designate personnel as Range Safety Inspectors to ensure that safety standards for ranges and training areas are being maintained by using units.

(7) Coordinate placement and manning of roadblocks with the Directorate of Emergency Services (DES).

(8) Report all accidents caused by firing of any weapon system(s) to the DES representative immediately.

(9) Report all accidents occurring within the training areas.

c. Range Control Maintenance has the overall responsibility for performing Range maintenance above the using unit's level. The Range Control Maintenance Manager will:

(1) Coordinate with the Range Operations Branch to establish a routine operations and maintenance check of all ranges and applicable training areas.

(2) Perform operator's maintenance on Range Control equipment beyond the occupying unit's capabilities.

(3) Review, forward, and continue follow-up action on all work orders placed with agencies above the Range Control level.

(4) Perform pre-operation checks and services before units occupy.

2-4. Directorate of Public Works (DPW).

DPW is responsible for:

a. Direct Maintenance support of all small arms ranges.

b. Grading and maintenance of all roads and fire breaks within the training area complex.

c. Providing range and road right-of-way and vegetation maintenance support within the constraints of base support contract requirements, funds, and equipment availability.

d. Maintenance and/or installation of electric power to ranges. Installation of electric power sources will be approved by DPW.

e. Providing for range and forest fire suppression for seasonal controlled burns or prescription burning, as needed.

f. Maintaining Preston Drop Zone (DZ) (TA23), to include cutting of trees, brushes, grass, and harvesting.

g. Turning off the electrical power lines that run parallel to the eastern edge of Preston DZ prior to airborne operations and reestablish the power upon completion of the airborne operations.

h. Repair electrical target devices, target mechanisms, and panel boards if beyond the capabilities of Range Control Maintenance personnel.

- i. Provide environmental and natural resources management support, recommendations, and approvals concerning compliance, impact, mitigation, report and documentation under statutory requirements of Federal, State, and local regulations.
- j. DPW is responsible for implementation of the installation Environmental Noise Management Plan, noise compliant tracking, and joint investigation with Range Control of training activities that create noise issuance.
- k. Provide routine water testing of all potable water sites and Range Control Facilities.

2-5. Public Affairs Office (PAO).

The PAO will:

- a. Inform the local community of pending airborne operations, artillery firing, and air-to-ground operations prior to the commencement of the exercises.
- b. Provide coverage and/or coordinate support to units or commands involved in the operation, to include local media relations.
- c. Assist the Installation Range Manager in UXO Awareness classes given to the local communities.

2-6. Directorate of Emergency Services (DES).

The DES will:

- a. Provide crowd control at all spectator events after consultation and approved through Central Tasking.
- b. Investigate violations of Uniform Code of Military Justice (UCMJ) and violations of Federal, State, and local laws and statutes.
- c. Provide technical assistance and advice to the Installation Range Manager to ensure that range safety procedures are established and published IAW AR 385-63.
- d. Provide staff assistance to Range Control upon request by the Installation Range Manager.
- e. Respond to a take lead on emergencies requiring First Responder ground or air evacuation support, including fire, rescue, and police operations.
- f. Assist Range Branch with law enforcement related issues in the range and training area complex.

2-7. Dwight David Eisenhower Army Medical Center (DDEAMC).

DDEAMC is responsible for providing the following:

- a. Conduct periodic Combat Lifesaver (CLS) training for units assigned to Fort Gordon; CLS courses are reimbursable for supplies. Units will coordinate MIPR with EAMC directly.

- b. Coordinate with DPTMS Schools Coordinator for training dates and times.

2-8. DPTMS, Training Division, Schools & Services Branch.

The DPTMS, Training Division, Schools & Services Branch is responsible for:

- a. Coordinating training and logistical support for the Army National Guard (ARNG), U.S. Army Reserve (USAR), Reserve Officers' Training Corps (ROTC), civilian organizations, and active duty units not stationed at Fort Gordon.
- b. Assist ARNG, USAR, ROTC, active duty units, and civilian organizations not stationed at Fort Gordon in coordinating and scheduling ranges, training areas, and special use areas.

2-9. Directorate of Family and Morale, Welfare, and Recreation (DFMWR).

The DFMWR, Range 14, will:

- a. Maintain communications with IOC after normal duty hours and during weekends.
- b. Comply with this regulation and all governing regulations concerning Department of the Army Range Operations.
- c. Function as the Point of Contact for any civilian activities within the range and training area complex.

2-10. Battalion/Squadron Commanders.

Battalion/Squadron Commanders will:

- a. Conduct Risk Management for all range operations.
- b. Ensure compliance with this regulation, applicable Technical Manuals (TMs), Field Manuals (FMs), and installation range guidance, and applicable Standard Operating Procedures (SOPs) for safe training and firing for each weapon system within the command.
- c. Ensure personnel within their command have read and understand this regulation, AR 385-63, and DA PAM 385-63 prior to being submitted for orientation and testing at Range Control.
- d. Ensure personnel in their command who are detailed to perform duties as an OIC, RSO, or safety AIs are trained and technically proficient on all weapon systems to be employed.
- e. Submit a memorandum to Range Control, signed by the Battalion Commander, verifying by name and social security number and listing weapons systems for personnel attending the Range Control certification process.

- f. Ensure ranges and training areas are scheduled 45 days in advance and according to unit mission.
- g. Submit an Environmental Checklist to Environmental Division, Directorate of Public Works (DPW), 45 days prior to occupying a training area. Ranges and training areas will not be scheduled on a “just in case” basis.
- h. Ensure personnel performing duties of OIC and RSO are certified in accordance with established installation safety certification program.
- i. Comply with range safety certification program guidance in 2-12 and 2-13 for OICs and RSOs to ensure they are:
 - (1) Competent and properly instructed in the performance of their duties.
 - (2) Knowledgeable in the weapon systems for which they are held responsible and in safe ammunition handling and use procedures.
 - (3) 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 385–40, TB MED 524, MIL–HDBK 828A, and MCO 5104.1.
 - (4) Applies risk management and develop controls and procedures for all phases of training events.

2-11. Occupying Units.

The unit occupying the site is responsible for:

- a. Compliance with range and training area operating procedures specified in this regulation, the checklist issued at the time the facility is issued, and AR 385-63.
- b. Appointing a certified range OIC who will ensure that their unit complies with the general and specific operating and safety procedures for the range or training areas being used. There will be one OIC per range or training area and the OIC will have no other duties.
- c. Appointing certified RSO for each range used. The RSO will ensure compliance with the specific safety procedures established for their range and assist the OIC in maintaining a serviceable and safe range. There will be one RSO per range or training area in a hot status and will not be assigned any other duties.
- d. Ensuring that the Range OIC and RSO perform a range safety briefing prior to signing for range.
- e. Providing internal medical support.
- f. Furnishing necessary details required for range operations, i.e., water, toilet tissue, etc.

- g. Ensuring that all weapons are rodded on and off the range prior to entry and exit from the range.
- h. Ensuring that a complete police call of the range or training area is conducted prior to a range or training area being cleared by Range Control. When night fire is conducted, the occupying unit will turn in all equipment to the Range Control at 0730 the following day. The OIC and a detail will be present to clear the range.
- i. Inspecting all weapons before firing to ensure they are functioning properly, lubricated as required, free of dirt and other obstruction, moisture, and carbon buildup in the chamber.
- j. Signing for ranges and training areas no earlier than 24 hours prior to the unit's occupation. All ranges and training areas will be signed for prior to occupation.
- k.
- l. Ensuring that cancellations are called in no later than 24 hours prior to the unit's scheduled usage time.
- m. Ensuring all ranges and training areas are cleared by the Range Control Inspector and OIC prior to departure. Units departing training areas when Range Control is closed must ensure areas are properly policed. Range Control will inspect areas on the following workday. Unit commanders will be notified and required to correct any deficiencies noted.

2-12. Officers in Charge (OIC).

a. Qualifications.

- (1) Possess a thorough knowledge, not familiarization, of weapon system(s) to be employed and have the appropriate Field Manuals and Technical Manuals on hand.
- (2) Commissioned, warrant, or noncommissioned officer (NCO, U.S. Army), staff noncommissioned officer (SNCO, Marine Corps) or civilian (U.S. Army). NCOs serving as OIC will be in the grade as shown in Figure 1, page 18, at a minimum.
- (3) 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 fully influence the conduct of the event. For aviation weapons systems, the OIC must be weapons systems knowledgeable.
- (4) The OIC must have satisfactorily completed a range safety certification program.
- (5) The OIC will be in the grade of E-6 or above and sign for range(s) prior to occupying the range or training area and ensure that no personnel enter the area until it is signed for. There will be one OIC per range.

(6) The RSO and CLS or Medic will accompany the OIC when in-processing at Range Control.

b. Duties.

(1) Ensures the overall safe conduct of training and proper use of the installation training complex.

(2) Receives a range safety briefing from installation range control organization on use of the training complex.

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

(4) Determines when it is safe to fire in accordance with applicable regulations/manuals and installation range requirements.

(5) Ensures receipt of final clearance to fire from Range Control.

(6) Ensures proper supervision of personnel performing misfire, hang-fire, and cook-off procedures.

(7) Ensures required communications are established and maintained.

(8) Ensures safe laser operations.

(9) Ensures adequate medical support is available.

(10) 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.

(11) Ensures a written log is maintained of pertinent 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.

(12) Ensures plans for firing exercises and maneuvers are coordinated with Range Control.

(13) Ensures control of target areas to prohibit entry by unauthorized personnel.

(14) Ensures all ammunition malfunctions and accidents are reported to range control in accordance with AR 75-1 and AR 385-40 (Army), or MCO P5102.1 and MCO 8025.1 (Marine Corps).

(15) Ensures coordination and approval has been gained from the Range Control agency for all civilian personnel that will be entering the training site.

(16) Briefs the RSO on the duties to be performed in support of the training event. Clearly establish 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.

- (17) Implements risk management in all phases of the training events.

2-13. Range Safety Officer (RSO).

a. Qualifications.

(1) Commissioned officer, warrant officer, NCO (Army), or civilian. For field artillery applications, the position commander or OIC may assume RSO duties. Grade requirements will be in accordance with Figure 1, Page 18. 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.

- (2) Weapon system qualified.

(3) Certification of satisfactory completion of unit or installation range safety certification program.

b. Duties.

(1) Receives range safety briefing from the installation range control organization on use of the ranges and training areas.

- (2) Ensures before granting clearance to fire—

- (a) Weapons and personnel are properly positioned.

- (b) Authorized ammunition and explosives, to include proper charge, fuze, and fuze settings are used.

- (c) Firing settings and weapons systems are within prescribed safety limits and verified.

- (d) SDZ is clear of all unauthorized personnel.

- (e) Proper hearing protection is worn by personnel within noise hazard areas.

- (f) Proper eye protection is worn by personnel within eye hazard areas.

- (g) Permission is received from Range Control to commence training and live-fire operations.

- (3) Orders immediate cease-fire or check fire when any unsafe condition occurs.

- (4) Is physically present at the training site.

- (5) Reports all accidents and ammunition malfunctions to the range OIC.

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

Chapter 3.

Common Policies for all Ranges and Training Areas

3-1. Scheduling of Facilities.

- a. Active Duty units assigned to Fort Gordon must request facilities with the Range Facility Management Support System (RFMSS) to include all ranges, training areas, and facilities.
- b. Requests must be submitted 45 working days prior to date of requested training. A Unit Environmental Checklist will be submitted at the same time, if the requested facility is a Training Area.
- c. Active Duty units not assigned to Fort Gordon and all Reserve and National Guard organizations will submit facilities requests through the DPTMS Training Division, Schools Branch, a minimum of 45 working days prior to desired date of usage. Requests will have a point of contact (POC) who will be familiar with the planned activities. The POC will contact Range Control two weeks prior to confirm scheduled ranges, training areas, or facilities. Units must sign for training areas prior to occupation. Requests will include six-digit grid coordinates for command post. Digging of foxholes and use of pyrotechnics must also be requested when their Record of Environmental Concern is submitted.
- d. Schedule training area based on unit mission/goals and size of unit (i.e., do not schedule live training areas for a platoon conducting squad tactics, unless absolutely necessary to meet unit mission/goals).
- e. Requests for small arms ranges will contain the following information:
 - (1) Date and time period the facility is to be occupied. Allow time for preparation, non-firing and cleanup activities.
 - (2) Type of weapons and ammunition to be used.
 - (3) Type of firing.
 - (4) POC, phone number.
- f. Zero ranges and the Alternate Pistol Qualification course will not be scheduled for record qualification.
- g. If the unit wants to allow spectators on the requested facility, the provisions outlined in Chapter 3-13 of this regulation will be followed. In addition, units will include in their request the number of spectators that will be present on the range.
- h. Units will ensure spectators execute a Release and Hold Harmless Agreement (Appendix C-6) prior to entering range. Parents will sign for minors age 17 and below.

i. Requests for artillery, mortar, and live firing areas will include:

- (1) Date and time period required. Allow time for preparation, non-firing and cleanup activities.
- (2) Firing position location (1/1,000 accuracy).
- (3) Observation posts requirements and locations.
- (4) Type of weapon (caliber and model) and ammunition (fuze and type of projectile). NOTE: Ammunition must be approved for overhead fire.
- (5) Types of fire (high angle, low angle, or direct fire).
- (6) Max altitude of weapon based on firing point and AIA targets.
- (7) Time/dates live fire.
- (8) POC, phone number.

j. Requests for training facilities to support demolition training must include:

- (1) Firing and detonation location coordinates.
- (2) Type and amount of explosives.
- (3) Elevation of explosions (airspace requirements).
- (4) Exact times for the detonations.
- (5) POC, phone number.

NOTE: Use of demolition pit is authorized for training purposes only.

k. Complex exercises involving several training maneuvers or bivouac areas or which involve smoke or chemical attacks, aggressor activities, etc., will include a schedule of events (FM 25-4) and overlay depicting routes of march, locations of special activities, and dates and times of events.

l. Reserve Component units will follow the guidelines established by Training Division, Schools Branch, DPTMS, when submitting requests to use range facilities at Fort Gordon. Fort Gordon units acting as hosts for off-post units may make all administrative arrangements for the sponsored unit to use range facilities.

m. If it is determined that a range or training area/facility will not be required, a telephonic report will be made to Range Control and the unit must cancel the reserved facility in RFMSS. This will allow Range Control to make the facility available to others.

n. Range Control will maintain a record of no-shows. Repeated failures to notify Range Control of cancellations will be reported to the units' higher headquarters for resolution.

o. Personnel responsible for preparing requests for range training facilities, and for programming the exercise/problem, must consider the criteria established in AR 385-63 and DA PAM 385-63. No portion of the surface danger zone for weapons or explosives will intersect or cross the following areas:

- (1) Reservation boundaries.
- (2) Post ammunition storage area and post ammunition vehicle holding area.
- (3) Built-up areas.
- (4) Cantonment areas.
- (5) Bivouac site.

3-2. Cancelling/No Show Reservations.

a. Units who reserve Fort Gordon Ranges, Training Areas, and Training Aids Devices, Simulators and Simulation (TADSS) and fail to take proper action to submit and verify acceptance of a cancellation of those assets will require the following memorandum be submitted through the Director, DPTMS and Chief, Training Division, ATTN: Range Manager, within one week of the No-Show, before any further Range, Training Area, or TADSS reservations can be made for that unit.

<u>Echelon of No-Show</u>	<u>Action Required</u>
(1) Team through Company level No-Shows	Battalion Commander Memo
(2) Battalion level No-Show	Brigade Commander Level Memo
(3) Brigade or Higher No-Show	G3 or equivalent Level Memo

3-3. Range Operations Certification.

a. Personnel designated as an OIC or RSO on Fort Gordon facilities must be qualified through the Range Operations Certification provided by Range Control.

b. Designated personnel must be certified by their Battalion/Squadron commander on a Memorandum for Record. The memorandum must reflect the weapon systems and special training events (i.e., NBC Chamber, Shoothouse, etc.) that the named individual is certified for as well as their full name, rank, and last four numbers of their Social Security Number.

c. This memorandum must be received in the Range Control Office NLT 1600 the Tuesday prior to the test. Range Control will conduct certification testing each second and fourth Thursday of the

calendar month at 0900 at the Range Complex located on Range 6, bldg # 484, General Instruction Classroom.

d. After the orientation, personnel are required to take a test and must satisfactorily receive a passing grade in order to receive FG Form 6729-R-E (Range Operations Certification), which will list the weapons systems and specialized training the individual is allowed to supervise.

e. FG Form 6729-R-E (Range Certification) is only valid for one calendar year after the date of issue.

f. Lost cards can be replaced. The individual must come to Range Control with a memorandum signed by their company commander.

g. Figure 1 outlines the grade requirements by training event. Civilian personnel can be OICs or RSOs, provided they meet the criteria established in Figure 1.

OIC/RSO appointment requirements						
Weapon System/Training Event	OIC ¹			RSO ¹		
	OFF	WO	NCO	OFF	WO	NCO
Practice hand grenades; sub caliber training devices; laser devices; firing devices; simulators & trip flares; small arms and machineguns.	X	X	E6	X	X	E5
Chemical agents and smokes. 2,6	X ²	X ²	E6 ²	X ²	X ²	E5 ²
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 3	X	X	E7	X	X	E6
Mortars.	X	X	E6	X	X	E6 ⁷
ADA rockets and guided missiles.		X			X ⁴	
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. 4-5	X ⁵	X	E7	X ⁴	X ⁴	E6
Notes: 1 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. 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 Marine Corps can be E5 for mortar training activities.						

FIGURE 1

3-4. Privately Owned Vehicles (POVs).

a. POVs are prohibited in any training or bivouac areas, operational or impact areas, firebreaks, and all dirt roads.

b. POVs are prohibited from traveling or parking on designated tank trails.

- c. POVs are prohibited from parking on ranges and training areas and roads adjacent to the ranges and training areas.
- d. For units in training, the only authorized POV parking area is located at the Hunter's Sign-in Station between 111th Avenue and Range Road, POVs are authorized to park at Range Control Headquarters to attend the Range Officer's Certification class or if personnel have official business with Range Control.
- e. POVs will not be used for the transportation of military personnel or equipment to or from the ranges or training areas.
- f. Privately owned motorcycles, dirt bikes, three-or four-wheeled All Terrain Vehicles (ATV), bicycles, or other off-road vehicles are prohibited in the Fort Gordon Training Complex, ranges, and training areas except as outlined in USASCoE&FG Regulation 420-5, paragraph 11.
- g. POVs may be operated and parked on range roads as indicated in USASCoE&FG Regulation 420-5 during the hunting seasons.
- h. Violators will be reported to the Game Warden for action.

3-5. Surface Danger Zones (SDZs) and Impact Areas.

- a. A surface danger zone is an area from the firing point out to the impact area. Personnel will not enter SDZs without specific permission from the Installation Range Manager.
- b. Access to impact areas is prohibited except when specifically authorized by the Installation Range Manager.
- c. When access to roads and trails in SDZs or Impact Areas is authorized, units will post road guards and barricades to prevent access to these danger areas. Road guards and barricades will not be bypassed without authorization of the Installation Range Manager.
- d. Unauthorized entry into surface danger areas, restricted areas, or off-limit areas is prohibited. Violators will be reported to the DES for appropriate action.
- e. Questions concerning exact limits of restricted, off limits, or surface danger areas will be answered at Range Control.

3-6. Environmental Protection.

- a. Commanders at all echelons will ensure compliance with USASCoE&FG Regulation 420-7, Endangered Species Regulation, and AR 200-1, Environmental Protection and Enhancement.
- b. No live bushes or trees will be cut or damaged. Only foliage from dead trees on the ground will be used for camouflage.

- c. All wheeled and tracked vehicles will use only established roads, trails, rating points, and firebreaks. Tracked vehicles will avoid paved roads and will use tank trails or firebreaks. Vehicles will not travel on unpaved shoulders or lawns.
- d. Use of ditches and shoulders for tank trails is prohibited. Off-road, cross-country shortcuts through trees or across grass hay, wildlife plots, and planted areas are prohibited. New trails will not be established. A sharp turn by tracked vehicles which may cause damage to hard surfaced areas is strictly prohibited. These guidelines will apply to all private and recreational areas.
- e. Each unit or activity is responsible for cleaning up after completion of exercise or operation. Upon completion of training, the unit OIC/NCOIC will initiate a thorough police of the area to ensure that all spade holes, foxholes, sumps, etc. have been filled, and all track mounds leveled. All trash will be collected and removed from the field training areas and deposited in a dumpster.
- f. All ground disturbing activity to include foxholes, trenches, tank ditching, etc., is prohibited unless permission is granted from ERNMO-DPW through Range Control. Request for the ground disturbing activities must include grid coordinates and the number of positions on environmental forms. Care will be taken to ensure soil is not stripped bare of vegetation.
- g. Disturbed ground and vegetation will be replaced after the conclusion of training activities and prior to requesting a clearing time.
- h. Burning, burying, or abandoning garbage, refuse, and rubbish including field and concertina wire, wooden pallets, and projectile fiber containers and other ammunition residue is prohibited. Commanders will ensure that the above materials are disposed of properly.
- i. Fuel sumps and refueling point operations will only be conducted after approval from ERNMO-DPW.
- j. Fuel sumps, refueling points, and fuel cans must be placed in a manner that will contain any fuel spillage and will not be placed within 150 meters of food plots. Size and depth of a sump constructed must be able to hold the amount of fuel stored. All fuel sumps, as a minimum, will have a 10 lb ABC equivalent fire extinguisher, a shovel, and ax located within 50 meters of the sump.
- k. All fuel tankers will be grounded properly and use of an overflow container is mandatory when dispensing fuel.
- l. When Petroleum, Oil, and Lubricant (POL) spills occur in any size, unit involved will immediately contact Range Control, who will contact Environmental Division, DPW, 791-6481, Oil Spill Response Program Manager, IAW 40 CFR 112 during normal duty hours. After normal duty hours, spills will be reported to the Installation Operations Center, 791-9747, or the Fire Department, 791-2989.
- m. Training and vehicle traffic in wildlife food plots, pine seedlings, and endangered species habitat areas are prohibited.

n. For engineer training and construction activities, a soil erosion and control plan will be submitted to the Environmental Division 14 days prior to any land disturbing activity. Training and construction that disturbs one acre or more will require planning and permitting IAW Georgia Water Quality Control Act and Erosion and Sediment Act. Plans will be submitted to the Environmental Division at bldg # 14500, 791-6237, and to Range Control Operations at bldg # 81200, 791-5005/5008.

o. Noise complaints will be forwarded to the Environmental Division, DPW. They will be handled IAW the Environmental Noise Management Plan (ENMP).

3-7. Risk Management.

a. Risk management is everyone's responsibility.

b. A Risk Management worksheet is required for all activities in the Fort. Gordon Range and Wildlife Management area. DA Form 7566 is the only authorized form for Risk Assessment and Management.

c. When reporting to Range Control Operations for facility sign in, OICs must have two copies of their Risk Management worksheet. There must be a worksheet for each facility or training area to be signed out.

d. Blanket Risk Management worksheets will not be accepted.

e. The unit's battalion commander or higher will be the only Risk Acceptance Authority for training involving live fire.

f. Company Commanders may function as the Risk Acceptance Authority for training areas.

3-8. Unexploded Ordnance (UXO) and UXO Reporting.

a. Unexploded Ordnance is defined as any suspected explosive projectile, flare, simulator, grenade, or pyrotechnical device that has not denoted.

b. If an object is suspected of being UXO, all training will come to an immediate halt and personnel will be evacuated IAW STP21-1-SMCT.

c. Range Control Operations will be notified immediately using the UXO Spot Report in the GTA 9-12-1. If the UXO is found after duty hours, the IOC will be notified immediately using the same reporting format.

d. Personnel will not attempt to remove or handle UXO. Any movement of a UXO may cause it to explode. The location will be marked and measures will be taken by the unit to protect personnel and government equipment.

e. Engineer tape or other material will be used to mark the location of the UXO and will be placed no less than 50 meters around the UXO. Stakes, branches, or other objects will not be used and will not be driven into the ground around the UXO.

f. After duty hours, the IOC will notify Range Control who will contact the appropriate Explosive Ordnance Disposal (EOD) organization for further disposition.

3-9. Transportation of Hazardous Materials.

a. Hazardous materials are defined as any ammunition, explosives, pyrotechnical devices, or POL.

b. All hazardous material will be transported and handled only under the direct supervision of certified, competent, and qualified personnel who are thoroughly familiar with the handling and safety requirements listed in AR 190-1, AR 385-63, AR 385-64, Technical Manual (TM) 9-1300-206, Field Manual (FM) 5-250, and in FMs of specified explosives.

3-10. Medical Support.

a. Units utilizing Fort Gordon's ranges and training areas must provide their own dedicated medical support personnel, Patient Transport Vehicle (PTV), litter, and medical aid bag.

b. If a MOS trained and certified Medic (MOS 68W) is not available, a CLS can be used as medical support for Small Arms Ranges and Training Areas.

c. CLSs must have a current certification. Certification can be a certification card or Certificate of Completion.

d. A minimum of one combat lifesaver or medic per range or training area is required.

e. A MOS qualified Medic (68W) must be present on ranges or firing points using explosive devices, indirect fire ranges, and the Confidence Course.

f. Qualified civilian medics, doctors, etc., may be utilized with proof of qualifications.

g. PTVs must be equipped with a litter and dedicated driver. PTVs and medical support personnel will have a strip map to DDEAMC and will have the grid coordinates and strip maps to all helicopter Landing Zones (LZs) on Fort Gordon. It is also recommended that the PTV be equipped with communications devices and that a communications check with Range Control Operations be performed prior to the start of the unit's training event. Figure 2, page 23 lists the designated Medevac sites on Fort Gordon.

h. PTVs will not be used and will not participate in training events unless wheeled vehicle movement is part of the unit's training program.

i. Training will come to a halt and ranges will come to a cease fire if the PTV must be dispatched for medical purposes.

j. For emergencies requiring Medevac, units will immediately contact Range Control Operations using the 9-Line Medevac format in GTA 08-01-004.

k. If a helicopter LZ is needed, units will proceed without delay to the closest LZ and prepare the area IAW STP21-24-SMCT.

l. Unit Commanders will ensure that their personnel are trained on first aid procedures and helicopter LZ operations and preparation.

m. Units are responsible for monitoring their own wet bulb devices to monitor temperatures and heat categories

ROTARY WING AIRCRAFT LANDING ZONES

LZ 1	Range 4	17S LS	85300	94590
LZ 2	TA 25	17S LS	84970	93300
LZ 3	TA 37A	17S LS	82200	91040
LZ 4	TA 23	17S LS	87240	89590
LZ 5	TA 49	17S LS	76500	84220
LZ 6	Range 11	17S LS	87050	91760

Figure 2

3-11. Accident Reporting and Investigation.

a. In the event of an accident serious enough for Medevac operations, training or live fire will come to an immediate halt or cease fire.

b. Range Control Operations will immediately be notified either by Land Mobile Radio (LMR), SINCGARS 42000 MHz, or by land line at 706-791-5005/5008.

c. If the accident or incident involves weapons or ammunition, the weapon or ammunition will be secured and guarded until a disposition by DES can be determined.

d. The OIC for the training area or range will fill out a Serious Incident Report (SIR) and turn it over to Range Control Operations within thirty minutes of reporting the incident.

e. Range Control will forward the SIR to the IOC for further disposition.

f. Follow-up SIR or Safety Reports will also be provided to Range Control.

3-12. Fire Prevention and Safety.

a. The following guidelines apply to all portions of the Fort Gordon Military Reservation outside the cantonment area.

b. The Installation Range Manager is designated as the Range Fire Marshal.

c. Units conducting operations on the installation will maintain continuing programs in fire prevention and prompt reporting of fires and fire fighting techniques.

d. When conducting demolition operations, all flammable debris must be scraped away from demolition pits. A distance of 10 meters from the edge of the pit or fire will be maintained.

- e. Open fires are not permitted in the Range and Training Area complex.
- f. When operating tent stoves or other heating devices, grasses and other flammable materials must be removed. A minimum safe distance of 1 meter will be established. Tent stoves and other personnel heating devices must be manned while in operation.
- g. Tent stoves and other heating devices will be operated IAW their applicable TMs and unit SOPs.
- h. Smoking is not permitted within 100 meters of tents, ammunition, or petroleum products. OICs will establish smoking areas.
- i. Fire Condition Codes are determined daily by the Georgia State Forestry Service and monitored closely by Range Control Operations. Units will contact Range Control Operations for the current Fire Condition Code prior to requesting a hot status and prior to the use of any pyrotechnical device. Figure 3 lists the fire codes and categories and their affects on training.
- j. Units operating within the Fort Gordon Wildlife Management and Range Area will be prepared to assist in fighting fires.
- k. Upon discovery of a fire, the OIC of the range or training area will stop training and will notify Range Control Operations via LMR, telephone at 791-5008/5005 or SINCGARS 42000 MHz giving name, location, unit, and position of the fire. After 1630, the IOC will be notified at 706-791-9747.
- l. OICs of ranges and training areas will designate a five person detail to assist in fire fighting duties with Range Control personnel and the Fort Gordon Forestry Department.
- m. Personnel will enter the impact area under the direct supervision of Range Control personnel.
- n. Commanders are responsible for training their personnel in fire fighting techniques.

FIRE CONDITION CODES

CODE	CATEGORY	POSSIBILITY OF FIRE
RED	5	<u>EXREME</u> – NO FIRING OF ANY WEAPONS / PYRO / SMOKE
ORANGE	4	<u>CRITICAL</u> – NO HIGH EXPLOSIVES / TRACERS. PYROTECHNICS AND SMOKE MUST USE BURN BARREL. RANGE CONTROL DISCRETION
YELLOW	3	<u>HIGH</u> – RANGE CONTROL DISCRETION
BLUE	2	<u>MEDIUM</u> – NO RESTRICTIONS
GREEN	1	<u>LOW</u> – NO RESTRICTIONS

Figure 3

3-13. Civilian Personnel Participating in Military Training.

- a. Units will ensure coordination and approval from the Installation Range Manager for all civilian personnel that will be entering training areas and ranges.
- b. Units must request authorization from Installation Range Manager for civilian personnel, such as military family members, local populace, and Department of Defense employees and contractors to enter the range or training complex to participate in or observe capabilities exercises, fire power demonstrations, training courses, competitions or other types of firing. Civilian personnel will remain in designated safe areas as determined by Installation Range Manager.
- c. Inspection team members or other official observers required to be on the firing line, firing position, or firing area will position themselves in safe areas determined by Installation Range Manager. These personnel must wear appropriate safety equipment, as specified by the local range regulations and the Installation Range Manager.
- d. Civilians, to include family members and DOD civilians, must have approval from the Installation Range Manager to fire weapons within the installation range complex.

Chapter 4. Common Policies for Small Arms Range

4-1. Safety Requirements.

- a. Commanders will ensure that personnel designated as OIC and RSO meet qualifications established in Section 2 of this publication and DA PAM 385-63, Table 4-1.
- b. Personnel engaged in live fire training will be familiar with applicable ARs, FMs, TMs, and other directives regarding the care, handling, operation, employment, and safety precautions of the weapon systems and ammunition being fired.
- c. The designated OIC and RSO will be knowledgeable on the Standard Operating Procedures (SOP) for the range being used for training.
- d. As part of the safety briefing, the OIC will designate all personnel on active ranges as air guards. Personnel will monitor air space for low flying aircraft. This will include personnel in training and observation. Cease fire will be established, and report aircraft location and direction to Range Control immediately. Cease fire will remain until aircraft is more than 5 miles away and traveling away from the small arms ranges.
- e. The OIC and RSO will be present at all times during the conduct of firing/training.
- f. Personnel within 50 meters of a firing line will wear approved hearing protection devices as specified in AR 40-5 or as approved by the National Rifle Association.
- g. Personnel on ranges employing explosive and fragmentation type munitions or that require movement while firing, and/or employing overhead fire, will wear protective helmets and body armor within 100 meters of the firing line.

- h. At no time will personnel move down range while the range is in a hot status.
- i. Running or double-timing on ranges is prohibited except in emergencies or when specifically required by the course of fire.
- j. Smoking on ranges and/or in buildings is prohibited except in designated areas.
- k. Firing will not commence on any range unless appropriate medical support is on site and a hot time has been requested and issued from Range Control Operations.
- l. Live fire ammunition will be maintained at the designated ammunition point for each range until issued to the personnel firing.
- m. Live ammunition and blank ammunition will not be stored, separated, or issued on the same range at any time.
- n. Live fire ammunition and blank fire ammunition will be separated and stored by lot number on pallets or other method to keep it off the ground.
- o. Munitions will not be left unattended or stored overnight on a range.
- p. At no time will aggressor actions or the use of pyrotechnics and simulators be taken on any live fire range.

4-2. Field Ammunition Supply Point (FASP) Storage.

a. Units with a requirement to establish a Field Ammunition Supply Point (FASP), Ammunition Holding Area (AHA), or Ammunition Holding and Transfer Point (AHTP) must submit a written request for authorization and approval to Range Control. Requests will be in memorandum format, and addressed through the installation DPTMS, who will coordinate with the DOL and ISO. Information to be included is:

- (1) Unit to be operational in the FASP/AHA/AHTP.
- (2) Location of FASP/AHA/AHTP by range and/or grid number.
- (3) Dates of operation/s.
- (4) Estimated list of items to be stored in the FASP/AHA/AHTP (by DODIC and quantity).
- (5) Primary individuals responsible for operating the FASP/AHA/AHTP should be identified.
- (6) A current ammunition handler certification card and be familiar with the appropriate ammunition, safety, and other applicable regulations.

b. FASP/AHA/AHTP is subject to inspection by QASAS and installation safety representatives, who will be listed on applicable access rosters. QASAS is available, through Range Control, for technical assistance on explosives safety.

c. All Arms, Ammunition, and Explosives (AA&E) deployed in the field for training or operational purposes will be secured at all times. FASP storage area, AHA, or AHTP will be designated by the commander and used to temporarily hold unit level munitions in a field environment to meet training requirements (for example, ammunition holding area, ammunition transfer point, or field ammunition resupply point). After firing, the FASP/AHA/AHTP will be used to reconcile the munitions prior to turn-in to the installation ASP. The following guidelines apply:

(1) Access to the FASP/AHA/AHTP will be strictly controlled. The 2-person rule will apply to Category I missiles and rockets at these locations.

(2) Perimeter barriers, either temporary or permanent, must be in place to preclude unauthorized entry into the storage area.

(3) Storage areas will be posted as a restricted area.

(4) Armed guards will be posted at the FASP/AHA/AHTP to control entry, to protect the AA&E, and in the event Category I missiles and rockets are stored there, to enforce the 2-person rule. The guards will be equipped with a primary and alternate means of communications. At a minimum, armed guards will be checked every 4 hours by an individual appointed by the commander.

(5) Positive measures (for example, security lighting or additional guards so that visibility between guards is maintained, and so on) will be implemented during hours of darkness or reduced visibility.

(6) Accountability procedures will be established at the FASP/AHA/AHTP to record expenditures. Inventory results will be reconciled daily until return to the installation ASP.

d. Ammo must be transported within the body of the vehicle, and securely tied down with the tailgate up. Stacked loads will be expressly prohibited from being higher than the truck bed sideboard.

4-3. Restrictions.

a. The digging of trenches, foxholes, the emplacement of protective berms, and similar modifications to existing ranges is prohibited.

b. Relocating permanent or temporary structures, as well as relocation of portable latrines and bleachers, by using units is prohibited.

c. Vehicle parking is restricted to designated parking areas. Parking of vehicles on or along the side of range access roads, as well as range roads, is prohibited.

d. Using a range for other than the designated purpose or for training other than outlined in the unit's risk assessment is prohibited.

- e. The use of tracer ammunition is restricted to Ranges 6, 7A, 9, and 11.
- f. Night firing of live ammunition is restricted to Ranges 2, 6, 7A, 9, and 11.

4-4. Required Personnel.

In addition to the OIC and the RSO, the following personnel are required in order to occupy and train on all Small Arms ranges:

a. Medical Support Personnel. Medical Support personnel will have no other duties and will not engage in training. There will be a minimum of one Medical Support Soldier per range.

(1) Small Arms Ranges must have one CLS at a minimum. CLSs must have either their Certificate of Achievement or CLS card in their possession. OICs and commanders are encouraged to bring adequate Medical Support personnel for the number of persons training.

(2) Medical Support on ranges involving movement with live ammunition, explosive devices, and on ranges firing 40mm Grenade (M203 HE & MK19) must be a service member in MOS 68W or service equivalent.

b. All Medical Support personnel must have an up-to-date aid bag or CLS bag and field litter for the transportation of patients.

c. Patient Transport Driver. There will be a dedicated driver for the PTV. This Soldier will not engage in training. The designated PTV will not move from the range for any purpose except for the transportation of patients. For the ranges listed in 4-3(2) (b), a Field Litter Ambulance (FLA) is required. There will be a minimum of one PTV driver per range.

d. Tower NCO – This Soldier will not be the OIC or RSO and must be in the grade of Corporal (E-4) or above.

e. Lane Safety NCO – Corporal (E-4) and above. There will be one lane safety per five firers, as long as the firers are not shooting from or beside a fighting position. There may be more restrictions pertaining to lane safety in Chapter 5. During night fire, there will be one lane safety per one firer. Lane Safeties will be directly responsible for monitoring the conduct of the firers.

f. Ammunition NCO – Specialist (E-4) or above. This Soldier will be responsible for the safe handling and issue of ammunition. They are also responsible for the security of ammunition.

g. Unit armor with tool box.

h. Gate guard with communication with the OIC and RSO at all times.

4-5. Required Equipment.

a. Range Control Operations will provide the following equipment and services to units on an as needed basis:

- (1) Bull horn.
- (2) Red & White safety paddles for Range Safety Officer and Lane Safeties.
- (3) Range SOP, range checklist, and range pre-briefing.
- (4) Range flag.
- (5) LMR radio (set to Channel 1). Only one LMR per range will be issued.

(6) Target frames and targets. Range Control will provide paper targets that are requested from unit at time of signing for the range at Range Control.

(7) Coordination of port-a-potties for cleaning and maintenance and for extras, if needed.

b. This equipment can be checked out no earlier than 24 hours prior to the scheduled event.

c. The training unit will provide the following:

- (1) A copy of the unit's risk assessment signed by the appropriate Risk Acceptance Authority.
- (2) Have copy of USASCoE&FG Regulation 350-19 on-hand.
- (3) Wet bulb device for monitoring temperatures.
- (4) Two 10 lb. A/B/C rated fire extinguishers.
- (5) Staple guns to attach targets and other items.
- (6) Engineer Tape.
- (7) Plastic trash bags, cleaning supplies, CLP (break-free) and toilet paper.
- (8) DA form 1594 (OIC range log. Must be filled out during operations).
- (9) Hearing protection for all personnel on or near the firing line.
- (10) TMs and FMs on all weapon systems being fired (Operators Level at a minimum).
- (11) Score cards for qualification.
- (12) Flashlights and chem-lights for night fire. (Red and White/Green).

(13) White helmet bands for designated Range Safety Officer and Lane Safeties.

(14) Shovel, pick, and axe for firefighting operations if needed. Unit will also have designated personnel on standby to assist in these duties if needed.

(15) Communications for units internal ADMIN net.

4-6. Operational Instructions.

a. Before entering the assigned range, the OIC will:

(1) Contact Range Control Operations and request an Occupation Time and be prepared to give the number of personnel present, number of vehicles present, and OIC and RSO initials.

(2) Post and brief gate guards on their duties and perform communication checks.

(3) Perform communications check with Range Control Operations on SINCGARS 42000 MHz.

(4) Conduct an inspection of the range facilities and report deficiencies to Range Control Operations within 30 minutes of receiving an Occupation Time.

(5) Position vehicles, ensuring that vehicles are at least 50 meters from the Ammunition Point and parked in designated areas.

(6) Ensure that drip pans and wheel blocks are in place under vehicles.

(7) Position the PTV and Medical Support Personnel in the vicinity of the tower and ensure they have strip maps to DDEAMC and to all helicopter LZs.

(8) Identify areas for smoking and for tents or cover for food or other training.

(9) Place firefighting equipment at the base of the tower.

(10) Give Range Safety briefing to all personnel. In addition to the Range Safety briefing, brief ammunition handlers on the proper handling procedures.

(11) Visually inspect to ensure no one is downrange.

(12) The OIC must call and request a hot time from Range Control Operations after completing the Before Items on their checklist, ensuring the Medical Support personnel are in place, and raising the red range flag.

b. During operations the OIC will:

- (1) Conduct radio checks with Range Control Operations at the top of each hour while the range is occupied.
- (2) Maintain and monitor the Range Control frequency. If communications are lost, the OIC will immediately bring training and firing to a cease fire.
- (3) Remain on the range. If the OIC must leave before, during, or after an occupation time, Range Control Operations will be immediately notified.
- (4) Maintain a positive ammunition count.
- (5) Ensure all areas of the range are in a high state of police and that all safety standards are being enforced.
- (6) Ensure all Lane Safeties and the RSO are in their designated areas of responsibility.
- (7) Ensure that no POVs are on or near their designated areas of responsibility.
- (8) Ensure that all Wildlife markers and areas are being observed and followed.
- (9) Ensure no open fires are used.
- (10) Be prepared to brief Range Control personnel on the day's activities and accompany them for inspections.

c. After firing, the OIC will:

- (1) Contact Range Control Operations and request a cold time, providing the following information:
 - (a) Number of personnel trained.
 - (b) Number of rounds fired by DODIC.
 - (c) Ensure the range is returned policed for brass, ammo dunnage, and trash.
 - (d) If permanent structures are present, the OIC will ensure that they are policed for trash and debris and swept and mopped.
 - (e) Ensure that port-a-lets are clear of debris and trash.
 - (f) Move all personnel, vehicles, and equipment to the parking lot or off the range prior to requesting an Inspector from Range Control Operations.
 - (g) Maintain communications with Range Control Operations until cleared by an Inspector.
 - (h) Turn in all equipment signed out from Range Control Operations.

4-7. Night Firing.

- a. The OIC will ensure that the red blinking light for the range is operational and turned on for night firing.
- b. The RSO and Lane Safeties will have green chem-lights and red chem-lights for signaling the tower of lane and firing line status. The green chem-light will be used to show a lane is ready and the red chem-light will be used to show the lane is not ready.
- c. In addition to chem-lights, all range safety personnel will have a white lens flashlight readily available for emergencies.
- d. A white lens flashlight will be used to clear weapons.
- e. Red lenses on flashlights can be used for tactical purposes.
- f. There will be one safety per firer. The firing coach cannot act as a safety.
- g. The Ammunition NCO and Medical Support personnel will use white lens flashlights only.
- h. The RSO and the Tower NCO will have an assistant to help them monitor the firing line.

Chapter 5. Policies for Training Specific Direct Fire Ranges

5-1. Combat Pistol Qualification Course (Range 2).

- a. All policies outlined in Chapter 4. will apply along with the requirements outlined in the following sections.
- b. There will be one Lane Safety per one firer for Day Qualification tables and one safety per firer for Night Qualification tables.
- c. Safeties will be centered between the firers and no more than one meter behind the firers.
- d. Safeties are responsible for signaling the Tower NCO to show the status of each firer and to ensure that firers are on line prior to engaging targets in Table V.

5-2. M203 Qualification Range (Range 5).

The M781 Practice round is the only ammunition authorized for this range.

5-3. Close Quarters Marksmanship Range (Primary - Range 8/Alternate – Range 4).

- a. All policies outlined in Section 4 will apply where applicable.
- b. All personnel on any portion of Range 8 & 4 must wear a Kevlar helmet and protective vest when Close Quarters Marksmanship training is being conducted.
- c. Personnel firing for record will receive instruction on the course of fire and conduct one dry rehearsal and two rehearsals with blank ammunition prior to moving to the live fire lane.
- d. There will be one Lane Safety per firer.
- e. Lane Safeties will be positioned behind and to one side of the firer to observe manipulation of the weapon safety.
- f. Lane Safeties will ensure that firers are fully stopped and that they are on line with other firers prior to firing.
- g. At no time will firing be conducted while personnel are moving on, off, or around the firing line.

5-4. Convoy Live Fire Range (CLFX) (TA 37B and Artillery Impact Area).

a. Personnel.

- (1) The designated OIC for CLFX must be in the grade of E-7 or above and will assume duties over TA 37B.
- (2) The designated RSO for CLFX must be in the grade of E-6 or above.
- (3) The designated RSO for TA 37B must be in the grade of E-6 or above.
- (4) Safety personnel for CLFX must complete the Convoy Live Fire Orientation Course through Range Control Operations. They must be in the grade of E-6 or above.
- (5) The CLFX OIC will be in each convoy serial.
- (6) The CLFX RSO will be located at TA 37B.
- (7) Each vehicle will have a minimum of one Observer/Controller (O/C) in the grade of E-6 or above.
- (8) There will be a minimum of one Medical Support personnel located in TA37B and one in each serial. Convoy Commanders will designate an Aid and Litter Team for each serial.

b. Ammunition.

- (1) 5.56mm Ball and below is authorized for CLFX.
- (2) 9mm Ball is authorized.

(3) Pyrotechnics and simulators can be used after receiving permission from Installation Range Manager.

(4) Ammunition will be stored and separated by its type and lot number.

(5) Blank ammunition and live ammunition will not be stored together on TA 37B.

c. Conduct of Training

(1) No more than one vehicle serial will be allowed to enter the CLFX lanes at any time.

(2) Personnel will satisfactorily complete one dry practice and one blank practice prior to being issued live ammunition.

(3) Vehicle serials will consist of no more than five vehicles involved in firing.

(4) Vehicles with a canvas top over the bed or troop carrying area will either remove the top and support braces or roll up and secure the loose areas of the top, according to vehicle's operators manual.

(5) Drivers will not participate in firing during the course of the training lanes.

(6) Safeties will monitor firers to ensure that they fire within their 30 degree target window and only after targets have been identified.

(7) During the dismounted phase of training, safeties and O/Cs will maintain hands on control of personnel.

5-5. Shoothouse (Range 10).

a. The Shoothouse will not be used unless the OIC and RSO are certified, in writing, by the Battalion Commander that they are proficient and knowledgeable in Close Quarters Combat Skills.

b. A school trained medic in the MOS of 68W or service equivalent is the only authorized medical support personnel authorized for this facility.

c. Training plans will be submitted to Range Control at least one week out from scheduled event.

d. The facility will be scheduled as a range.

**Chapter 6.
Explosive Ordnance Ranges**

6-1. Classifications of Explosive Ordnance.

a. Explosive Ordnance for this Section are classified as:

- (1) Grenades, thrown or launched.
- (2) Mines.
- (3) Demolition charges.
- (4) Direct fire rockets or missiles (i.e., AT-4, LAAW).

b. Indirect Fires ammunition will be addressed in Chapter 7.

6-2. Required Personnel.

- a. The OIC must be in the grade of E-7 or above and must be certified through Range Control.
- b. The RSO must be in the grade of E-6 or above and must be certified through Range Control.
- c. Lane Safeties must be in the grade of E-5 or above. On the Hand Grenade Live Fire Range, Pit NCOs must be in the grade of E-6 or above.
- d. Medical Support personnel must be a MOS 68W or its equivalent for other Armed Services. All designated Medical Support personnel must have an up-to-date aid bag and field litter for the movement of patients.
- e. Patient Transport Driver. There will be a dedicated driver for each Field Litter Ambulance (FLA). This Soldier will not engage in training. The FLA will not move from the range for any purpose except for the transportation of patients. There will be a minimum of one FLA driver and FLA per range.
- f. Tower NCO (Range 13) – This Soldier will not be the OIC or RSO and must be in the grade of E-5 or above.
- g. Radio Operator – This Soldier will not have any other duties.
- h. Ammunition NCO – Must be in the grade of E-5 or above. This Soldier will be responsible for the safe handling and issue of ammunition. They are also responsible for the security of ammunition.
- i. Road/Gate Guards with communication with the OIC and RSO at all times.

6-3. Mine and Demolition Ranges.

- a. The OIC and RSO will have a thorough knowledge of DA Pam 385-63, Chapter 18 and must be certified by the Battalion Commander prior to signing for the area designated for mine and/or demolition exercises.
- b. The OIC has the overall responsibility and supervision for the preparation, placement, and firing of mines or demolition charges.
- c. The OIC will be present to:

- (1) Supervise the conduct of the range.
- (2) Ensure all connections to charges or mines are inspected prior to firing.
- (3) Inspect all connections after firing to determine all charges have been detonated.
- (4) Supervise the neutralization of all misfires and duds.

d. The OIC will ensure that all personnel on the range will wear a Kevlar helmet, protective vest, and eyewear.

e. Planned detonations will not take place within 300 meters of any main or secondary roads. Guards with communications will be posted to halt traffic at intervals designated by Installation Range Manager.

f. Firefighting material will be on hand to suppress fires that may occur.

g. The OIC will establish communications with Range Control Operations prior to the start of any demolition exercise. The following information will be transmitted:

- (1) Unit (if applicable).
- (2) Name and initials of OIC and RSO.
- (3) Number of personnel on site.
- (4) Type of Explosive Ordnance and grid coordinates of detonation(s).
- (5) Lot number of Explosives or Mines.
- (6) Exact explosive weight of each detonation, if applicable.

h. After the conclusion of training, the OIC will transmit the number of detonations.

i. During training, which requires troops to maneuver in the vicinity of demolition pits, additional personnel will be assigned as Lane Safeties when the OIC or RSO cannot observe the proximity of troops to the demolition pits.

j. During training the Lane Safeties of the detonation site will be in a position to observe both demolition site and maneuvering troops.

k. Lane Safeties will be in constant contact with the OIC and RSO in order to stop firing if safety hazards develop.

1. If an explosive charge fails to detonate, troop movement will be restricted to the minimum safe distance for the type of charge until the charge is rendered safe.

6-4. Hand Grenade Live Fire and Qualification Range (Range 13).

a. The Hand Grenade Qualification Course is co-located on Range 13.

b. The M69 Practice Hand Grenade with the M228 Fuse is the only ammunition authorized on the Hand Grenade Qualification Course.

c. The OIC will ensure that all personnel on the range will wear a Kevlar helmet, protective vest, and eyewear, if applicable.

d. Personnel will not familiarize with a live grenade on the Hand Grenade Live Fire range unless they have successfully completed the Hand Grenade Qualification Course.

e. The only grenade authorized on the Hand Grenade Live Fire range is the M67 Fragmentation Grenade.

6-5. M203/MK19 HE Familiarization Range (Range 15).

a. The OIC will ensure that all personnel on the range will wear a Kevlar helmet, protective vest, and eyewear if applicable.

b. Range 15 is the only authorized range to fire the M433 and M406 HE Cartridges for the M203 Weapon System and any of the munitions for the MK19, MODIII Grenade Machine Gun.

c. When firing the MK19, the OIC will ensure that limit stakes are in place to keep the weapon system in its left and right traverse limits.

d. There will be one Lane Safety per firer when either weapon system is used.

6-6. Direct Fire Rockets and Missiles (Range 15 and Range 16).

a. The OIC will ensure that all personnel on the range will wear a Kevlar helmet, protective vest, and eyewear.

b. The OIC will clear an area 50 meters to the rear and to the left and right of each firing position and identify it as the back blast area.

c. The OIC will ensure each firing point has identifiable traverse limit markers.

d. Firing position Safeties will ensure that firers only load weapon systems at the firing line.

e. No one will be allowed in the back blast area or in front of the weapon once it is in a loaded condition.

f. Firers will only engage designated targets.

Chapter 7.

Indirect Fire Ranges

7-1. Common Policies.

a. Indirect fires are restricted to firing points designated by Installation RCO.

b. Using units will prepare range fan overlays for each firing point and submit them to Range Control Operations no later than two weeks prior to the desired firing date. Overlays will be prepared IAW AR 385-63 [page 3, paragraph 1-4; page 5, paragraph 2-2a, b & f] and DA Pam 385-63 [Page 182 Indirect fire SDZ].

c. All general safety guidelines, operating procedures, and restrictions apply except as follows:

(1) Preparation of a SOP to include specific operating and safety procedures is the occupying unit's responsibility. A copy of the unit's operating and safety procedures will be submitted to the Installation Range Manager prior to the unit signing for their designated areas.

(2) Unit OICs will designate and establish temporary roadblocks to preclude uncontrolled access to their safety zones to the front of their firing positions.

d. All personnel within the hearing hazard zone will wear approved single hearing protection. The hearing hazard zone is usually defined in the manuals for the cannon, propellant charges, or cartridge. If the hearing hazard zone information cannot be determined, hearing protection will be required within 800 meters.

e. All rounds fired must be observed.

f. Movement of self-propelled howitzers, mortar carriers, and other tracked vehicles, is restricted to tank trails, firebreaks, and to the area in the immediate vicinity of a firing point required to position the vehicle for firing. Occupying unit will avoid destruction of trees or other flora.

g. The authorized tracked vehicle trail starts at the National Guard Motor Pool (LS90509750), crossing 13th Street into Training Area 16.

h. Hardened crossing points are located on Range Road between TA 16 and the Small Arms Impact Area, on the tank trail at the entrance for Range 4 crossing into Training Area 26 between TA 26, crossing Gibson Road (hardened) into Training Area 25, between TA 36 and TA 37A on Gibson Road, and on Harlem Road between TA 37B and TA 40.

i. At no time will tracked vehicles be allowed to travel on paved roads.

j. The tank trails are off limits to POVs at all times.

7-2. Mortar Firing Points.

a. General guidelines.

(1) Prior to live fire, units must submit proof of current bore scope and pullover performed by Direct Support Maintenance.

(2) The firing of mortars over the heads of troops is prohibited.

(3) Mortar ammunition must be certified for overhead fire of unprotected troops.

(4) Point detonating fuse series M52 (not modified), M82, and M519 will be used for combat emergency firing only.

(5) All personnel who take part in mortar firing will wear approved protective helmets and protective body armor. At the commander's discretion, the gunner may remove his/her protective helmet while sighting the mortar.

(6) All personnel within the hearing hazard zone for the mortar, cartridge, or charge increment used will wear approved single hearing protection. The hearing hazard zone is usually defined in the manuals for the mortar or cartridges.

(7) If the hearing hazard zone information cannot be determined, hearing protection will be required within 200 m.

(8) Propellant increments removed from rounds before firing will be placed in metal or wooden covered containers located outside the firing vehicle or positioned a distance of at least 25 m from the firing point when firing dismounted. The lid of the charge container will remain closed during firing.

(9) Cartridge M720, M721, M722, and M888 will not be fired above propellant charge 2 in the M2/M19 mortars.

(10) Cartridge M720 will not be fired in the hand-held mode with a charge greater than 1.

(11) No 800 series cartridges may be fired in the M29 mortar except the M880 short-range target practice round. This applies when using the M303 insert.

(12) The 4.2-in mortar will not be fired at elevations greater than 60 degrees.

(13) When firing the 120-mm mortar from the carrier, all crewmembers and personnel inside the carrier must wear double hearing protection. Double hearing protection is required regardless of the carrier ramp position (opened or closed).

(14) Double hearing protection is defined as any approved earplugs plus either a combat vehicle crewman helmet, or a communication aural protective system/artillery communication aural protective system with personnel armored system for ground troops helmet.

(15) Personnel outside the carrier within 200 m must wear single hearing protection.

(16) Firing restrictions and limitations in TM 43-0001-28 apply to all cartridges and fuses.

b. Live Fire considerations.

(1) Mortars will not fire unless laid in and checked with a M2 Aiming Circle and a back up M2 Aiming Circle.

(2) Units performing hip shots will not fire until the mortar's direction of fire and range estimation can be verified by the Fire Direction Center (FDC).

(3) Direct lay missions will not fire until the range estimated by the squad leader can be verified by the FDC.

(4) Direct Alignment missions will not fire until the mortar's direction of fire and range estimation can be verified by the Fire Direction Center (FDC).

(5) If the mortar is carrier mounted, ammunition will not be prepared for firing within the vehicle.

(6) Mortar Squad Leaders will maintain an ammunition count and all firing data until a time determined by their Chain of Command.

(7) The FDC will plot all no fire zones and indicate them on their fires map, as well as their computers. The squad leaders will be provided deflections and elevations to the no fire zones and place an indicator card on the barrel of the mortar.

(8) The squad leaders will record and maintain mask and overhead clearance deflection and elevations.

(9) Mortars will not fire unless an observer is available and has communications with the Mortar FDC and Range Control.

(10) All cartridges to be fired will be fired with fuses.

7-3. Field Artillery.

a. Safety requirements.

(1) Commanders of field artillery units, battalion and above, must provide, in writing, proof that the designated OICs and RSOs for each firing point and the Artillery FDCs have completed the battalion level Field Artillery Safety Certification Program required by DA PAM 385-63 and the Fort Gordon Range Operations Orientation Briefing.

(2) FA Commanders must submit a copy of their TACSOP (Tactical SOP) to include live fire procedures and movement of artillery batteries.

(3) The live firing unit will provide one person to Range Control during live fire to liaison for command and communications duties with the unit. The unit is responsible for the welfare and feeding of the appointed individual.

b. Field artillery cannons.

(1) Procedures will be established for weapon systems producing blast overpressure hazards to reduce the risk to artillery crews from auditory and internal injury caused by blast overpressure from specific charges. Individuals who experience shortness of breath, chest discomfort, bleeding from mouth, nose or ears, or excessive shakiness (tremors) when exposed to weapon system firings may be suffering from a blast overpressure injury. Individuals with any of these symptoms will be instructed to lie down and remain quiet and immobile. Injured personnel will be transported to the nearest medical facility for immediate evaluation and treatment. Firing procedures for specific weapon systems can be found in appropriate TMs.

(2) Lanyards will not be attached to the firing mechanism of field artillery cannons that use separate loading ammunition until the designated crewman has announced "READY."

(3) Propellant increments removed from rounds before firing will be placed in metal or wooden covered containers located outside the firing vehicle or positioned a distance of at least 25 m from the firing point when firing dismounted. The lid of the charge container will remain closed during firing.

c. Fuzes.

(1) Alteration of fuzes is prohibited unless specifically authorized by the Commanding General, AMC, and supervised by a qualified AMC commissioned officer, warrant officer, or civilian. For the Marine Corps, alteration of fuzes is prohibited unless authorized by COMMARFORSSCOM.

(2) Protect points of fuzes from blows or damage when handling ammunition, because the closing cap may be sufficiently deformed and may activate the percussion primer in the fuze. Personnel inserting rounds of ammunition into cannons will be cautioned to keep each projectile away from the path of cannon recoil until recoil from the previous projectile is complete.

(3) Screw the fuze down by hand and firmly seat with the correct fuze wrench.

(4) Projectiles removed from cannons with ramming staffs will not be reused.

(5) All projectiles fired during training will be fuzed with bore safe fuzes.

(6) Fuzed projectiles fired during training exercises will be the type that precludes close-in premature bursts that would present a fragment and debris hazard to the firing crew. Other type fuzes require all personnel within Area A distance from the firing position to be provided positive protection against premature bursts.

(7) When only White Phosphorous (WP) ammunition is involved, this distance may be reduced to 200 m for positive protection from premature bursts. Positive protection at the weapon system position will meet the minimum requirements of four thicknesses of sandbags filled with dry, sifted sand stacked high enough for protection against all calibers of ammunition, or trenches deep enough to provide complete protection, or concrete walls 0.30 m thick, or tanks with hatches closed.

(8) Firing projectiles without fuzes is prohibited.

d. Malfunctions.

(1) Malfunctions that occur during firing of ammunition will be investigated in accordance with AR 75-1 or MCO 8025.1.

(2) Procedures to be followed when a misfire or hang-fire occurs, or when the potential for a cook-off exists, are in the appropriate weapon system TMs.

(3) Do not load or fire ammunition at bore temperatures higher or lower than the safe limit of firing. After loading, fire the weapon system, or in case of a cease-fire, immediately remove the projectile. If the projectile cannot be removed from the weapon system within five minutes, evacuate all personnel to a distance equivalent to area A for the munitions. See TM 43-0001-28 and appropriate weapon system TMs.

(4) Use only authorized propellant charges for the specific projectile and weapon system to be fired. Never use more charges than those comprising the full authorized charge.

(5) WP-impregnated felt wedges from the M825 and M825A1 projectiles. These may not be totally consumed when the WP burns. Crushing or moving unburned felt wedges would reignite residual WP, posing a burn hazard. Personnel will not disturb unburned felt wedges.

(6) Rocket assisted projectiles (RAP). These will not be fired over the heads of unprotected troops during training exercises. Rocket-on firings require a clear zone short of the target area in case the rocket motor fails to function.

(7) Rocket-off firings also require a clear zone beyond the target area to allow for accidental (unintended) initiation of the rocket motor. 105-mm RAP requires a clear zone of 4,000 m short of and beyond the target. 155-mm RAP requires a 6,000 m clear zone short of the target, because the projectile may be fired in the rocket-on mode only.

(8) Salute (blank) firing of 75 mm and 105 mm. These produce hazards from muzzle debris and noise. Muzzle closure debris can be expelled 92 m forward of the weapon and 10 degrees either side of the bore axis. Hazardous noise levels (140 decibels) are 77 m along the bore axis, 49 m at 30 degrees each side of the bore axis, 31 m at 60 degrees each side of the bore axis, 21 m at 90 degrees each side of the bore axis, 14 m at 120 degrees each side of the bore axis, 10 m at 15 degrees each side of the bore axis, and 10 m directly behind the weapon.

Chapter 8.

Training Areas

8-1. Common Policies for Training Areas and Training Facilities within TAs.

- a. The provisions outlined in Chapter 3-5 will apply to all Training Areas (TAs) and Garrison Training Areas (GTAs) on Fort Gordon.
- b. Units must submit a Record for Environmental Consideration to Range Control when requesting Training Areas and present an approved copy when signing out the reserved areas.
- c. Any military training in the cantonment area outside of the designated Garrison Training Areas is prohibited. Exceptions to this policy will be considered on a case by case basis by DPW.
- d. Personnel requirements for training areas, MOUT, or the Urban Training Facility (UTF) using blanks, pyrotechnics, and simulators will be the same as live fire facilities.
- e. Live ammunition will not be stored on training areas without a request, in writing, from the Battalion Commander to the Installation Range Manager (IRM).
- f. Live ammunition will not be used on any Training Area unless authorized by the IRM.
- g. Prior to units using pyrotechnics, simulators, and blanks, they will request a hot time and receive the Fire Danger Category from Range Control.
- h. Training Areas under a hot status will be treated as ranges and all safety requirements will apply.
- i. Units will not cut, create, or make new vehicle trails or facilities on Training Areas.
- j. Tactical training in the Cantonment Area is prohibited.

8-2. Military Operations on Urban Terrain Facility (MOUT) (Training Area 24).

- a. This facility consists of one two-story structure, a simulated office building attached to the Chemical, Biological, Radioactive, Nuclear, and Explosives, (CBRNE) chamber, and a classroom building.
- b. All three facilities will be scheduled together. Training Area 24 and the CBRNE chamber will be scheduled separate from these facilities.
- c. The only ammunition authorized for this facility is blank, simulators, and pyrotechnic devices.
- d. The use of simunitions, paintball, and other munitions designed to replicate weapons firing must be authorized in writing by the Installation Range Manager.

- e. CS canisters will not be discharged without permission from Range Control Operations and only when the OIC and RSO meet the criteria for CBRNE and Smoke Operations established in Figure 1.
- f. The discharging of blanks will only be done with a Blank Firing Attachment properly installed on weapons.
- g. Blanks will not be discharged within 20 meters of personnel and will not be discharged directly into their head area.
- h. Rappelling from the two story structure will only be conducted if the OIC or RSO is a certified and current Rappel Master.
- i. While in the yellow lined area of the roof, personnel will maintain three points of contact at all times.
- j. The discharging of simulators and pyrotechnics within the structures is authorized.
- k. Facilities will not be used as bivouac areas.
- l. Altering facilities is not authorized.

8-3. Urban Training Facility (Training Area 30).

- a. This facility consists of twenty-three single-floor structures and four two-story houses, simulating a small village.
- b. This facility will be scheduled separately from Training Area 30.
- c. The only ammunition authorized for this facility is blank, simulators, and pyrotechnic devices.
- d. The use of simunitions, paintball, and other munitions designed to replicate weapons firing must be authorized in writing by the Installation Range Manager.
- e. CS canisters will not be discharged without permission from Range Control Operations and only when the OIC and RSO meet the criteria for CBRNE and Smoke Operations established in Figure 1.
- f. Pyrotechnics and simulators will not be discharged inside the buildings and will only be used after determining the Fire Danger Category through Range Control Operations.
- g. The discharging of blanks will only be done with a Blank Firing Attachment properly installed on weapons.
- h. Blanks will not be discharged within 20 meters of personnel and will not be discharged directly into their head area.

- i. Rappelling from a two story structure will only be conducted if the OIC or RSO is a certified and current Rappel Master.
- j. The discharging of simulators and pyrotechnics within the structures is not authorized.
- k. Facilities will not be used as bivouac areas.
- l. Altering facilities is not authorized.

8-4. Chemical, Biological, Radiological, Nuclear, Explosives Chamber (CBRNE) (Training Area 24).

- a. The OIC and RSO will be 74 Series NCO or Officer or have an Additional Skill Identifier reflecting CBRNE training.
- b. Medical support will be a 68W medic or service equivalent with a litter, ambulance, and aid bag.
- c. Personnel participating in training will receive a safety briefing and class before the start of the CBRNE exercise.
- d. The OIC will request a hot time prior to expending tablets for training.
- e. The CBRNE Chamber will be treated as a hot range.
- f. The OIC and RSO will monitoring the burning of tablets and will not exceed the recommended dosage required for the duration of the exercise.
- g. The OIC will track tablet expenditures by number burned and by DODIC. These numbers will be reported to Range Control when requesting a cold status.

8-5. Obstacle and Confidence Courses (Training Area 6).

- a. Common Policies.
 - (1) Training on the Obstacle and Confidence Courses require an OIC and RSO. There will be one of each if both courses are used simultaneously.
 - (2) Medical support is required for both courses.
 - (3) Training can only commence 30 minutes after sunrise and must cease 30 minutes prior to sunset.
 - (4) There will be no training if the obstacles are wet from rain or moisture due to cold or damp conditions.
- b. Obstacle Course.

- (1) Medical support for the Obstacle Course can be a certified and current CLS.
 - (2) Additional personnel are required for safety and instruction at each obstacle.
 - (3) Prior to negotiating the course, all personnel will walk the course and be familiar with the location of each obstacle and be given a demonstration on how to negotiate the obstacle safely.
 - (4) Required padding will be in place per the Course SOP.
- c. Confidence Course.
- (1) Medical support for the Confidence Course will be a Service Member in the MOS of 68W or its service equivalent.
 - (2) Additional personnel are required for safety and instruction at each obstacle.
 - (3) Prior to negotiating the course, all personnel will walk the course and be familiar with the location of each obstacle and be given a demonstration on how to negotiate the obstacle safely.
 - (4) Required padding will be in place per the Course SOP.
 - (5) All applicable safety straps and harnesses will be used on the obstacles indicated in the Course's SOPs.

Chapter 9.

Air Operations

9-1. Airspace Management.

a. Purpose. To provide instructions and assign responsibilities for all incoming and departing helicopters into the Fort Gordon Airspace. Fort Gordon has established rules and guidelines governing the request to enter the installation's airspace, request for flight patterns, ground support and authorized landing zones.

b. General. The requesting Fort Gordon organization and the responding aviation unit both are responsible for ensuring proper coordination of flights taking place. All requests for helicopter support must be submitted in writing, signed and submitted by the Brigade S3 Officer NLT 30 days prior to the execution of the flight or landing. The only authorized exception is for separate Battalions; the S3 of that unit is authorized to sign. All requests must be submitted to the DPTMS, Installation Operations Center. Coordination must be made in a timely manner to ensure a safe and successful operation, not only for the requesting organization, but all who may have operational access to the area around LZs. The focus on safety and operational procedures required to properly manage the flights and support of and for helicopters operating on and around Fort Gordon. The DPTMS, IOC is the supporting agency for this event.

c. Responsibilities.

(1) USASCoE&FG.

(a) Command Group will provide the DPTMS information required to coordinate in or out bound helicopters when in support of the Signal Center Command Group.

(2) Protocol.

(a) Provide Date Time Group (DTG) for visiting VIPs traveling by helicopter to the DPTMS, ATTN: Operations Branch, NLT seven working days before arrival.

(b) Brief all visitors planning to fly to Fort Gordon coordinating inbound and outbound flight information to the DPTMS, Operations Branch, as soon as tentative plans for flights are made, but NLT seven working days before arrival.

(c) Contact the Chief, Operations Branch, of in/out bound helicopters NLT seven working days or immediately upon notification.

(3) DPTMS, Plans Branch.

(a) As required, coordinate arrival and departure of ceremonial flights in support of installation level events with the Operations Branch NLT seven working days prior to arrival.

(b) Publish necessary instructions and assist in the coordinating of all event flight support with the requesting aviation organization and the Operations Branch.

(c) Anti-Terrorism Officer will provide Anti-Terrorism Force Protection (ATFP) guidance and update, as Force Protection requirements dictate.

(4) DPTMS, Operations Branch.

(a) Ensure all required coordination is made for all flights entering Fort Gordon's airspace.

(b) Provide written request forms to all organizations, requesting flight support on the installation, immediately upon receiving a request to land on Fort Gordon.

(c) Provide authorized Landing Zone information to requesting organization immediately upon receipt of written request.

(d) Place flight event on the installation calendar when possible.

(e) Provide a staff member onsite to ensure all installation support is in place prior to any flight entering the Fort Gordon containment area airspace.

(f) Provide a staff member to walk the area surrounding the LZ, looking for and removing all debris with could possibly be propelled into the air due to approaching aircrafts.

(g) Be prepared to provide an information brief to the Garrison Command Staff and the Staff of the Commander, USASCoE&FG.

(h) Make telephone notification to the following garrison organizations when notified of an in or outbound helicopter: Range Control; Directorate of Emergency Services, including Police, Fire and Safety; the SGS; DPTMS, Plans Branch; and the S3, 15th Signal Brigade.

(i) Once landing site is assured and airspace coordinated with Range Control, contact lead pilot and issue PPR number. IOC will also provide a telephonic "Redline" briefing. A separate PPR is not required for multiple entry/exits to Fort Gordon.

(5) DPTMS, TD, Range Control Branch.

(a) Contact and direct organizations requesting access to the cantonment area LZs to contact the IOC as soon as possible to coordinate flight requests.

(b) Provide and ensure all incoming helicopters operate on the correct FM frequency 10 miles before entering into the Fort Gordon airspace, and 30 minutes and 10 minutes prior to takeoff from Fort Gordon.

(c) Ensure inbound aircraft notify you immediately reference all inbound status. Also, make telephonic contact to alert the installation on inbound and outbound aircraft. Range Control will maintain positive communications with the aircraft until landing and departures are assured.

(6) DES.

(a) Provide Military Police (MP), Fire Department (FD), and Fire Safety (FS) support for arrival and departure for all helicopters entering and leaving Fort Gordon, ensuring all are in place to receive the helicopter at least 10 minutes prior to landing and 10 minutes prior to coordinating take off.

(b) Ensure the dispatcher is monitoring all traffic pertaining to the landing and take-off operations.

(c) Ensure MPs stop all vehicle and pedestrian traffic in the vicinity of all landing and take-off operations.

(d) DES personnel will report "Mission Complete" to the dispatcher, immediately upon arrival of inbound and departure of outbound helicopters.

(7) PAO.

(a) Provide information related to VIP arrivals by helicopter to DTPMS, Operations Branch, as soon as possible.

(b) Inform all requests for helicopter landing authorization to DPTMS, Operations Branch, at 706-791-9747.

(8) DFMWR will place flight on the Marquette and in the FYI.

(9) Installation Safety Office.

(a) Review and provide Safety Officer's views and opinions of this document, annually.

(b) Provide Safety person to conduct an onsite inspection and provide assessment of the Installation Landing Zones, annually.

(c) Review Range Control's Safety Program, annually.

(10) DPW.

(a) Be prepared to make repairs to, and improve grounds around, Installation Landing Zones IAW the Safety evaluations and assessments.

(11) USASNEC-Gordon.

(a) Coordinate, as requested, specific HF frequencies for SINGARS Radio One assigned to the IOC.

(12) DDEAMC.

(a) In cases where the FD ambulance is employed for other missions, DDEAMC ambulance and crew will respond to pre-coordinated LZ for aircraft arrivals and departures.

(b) Immediately notify the IOC at 706-791-3127, upon planning or coordinating aircraft arrivals and departures.

(13) 35th Signal Brigade. Immediately notify the IOC at 706-791-3127, upon planning or coordinating aircraft arrivals and departures.

(a) All Units, Separate Organizations, Contractors, and Directorates are to immediately notify the IOC, at 706-791-3127, of all aircraft arrivals and departures.

(b) All organizations coordinating flights will ensure the Lead Pilot is informed of the requirement to call Fort Gordon IOC a minimum of 48 hours in advance to request authorization to enter Fort Gordon.

(c) Immediately upon receipt of a request for entry, the OIC will coordinate airspace with Range Control, landing zones with appropriate agencies, and DES for security/emergency services. Once airspace and landing zones are confirmed, the OIC will issue a Prior Permission Required (PPR) number to the lead pilot.

(d) All pilots are to call in to the IOC prior to departure from home station to receive a "Redline" brief. The "Redline" briefing will contain (at minimum):

1. Entry /exit routes.
2. Minimum/maximum altitude over Fort Gordon.
3. Any hazards (active ranges, ceremonies, PT routes, etc.) if applicable.
4. Radio frequencies and contact milestones.

(e) Range Control will monitor FM radios at all times. When inbound aircraft makes contact, the Firing Desk will immediately contact the IOC telephonically to notify and maintain communications with the aircraft until landing assured. For departing aircraft, the Firing Desk will advise the IOC of the departure, while maintaining FM communications. Once the aircraft advises that they are clear of Fort Gordon's airspace, the Firing Desk will notify the IOC.

9-2. Aerial Delivery Operations (Cargo).

a. Units performing Aerial Delivery Operations (Cargo) must present their training plans no later than 45 days prior to the scheduled date of their training.

b. Training plans must include the following:

- (1) Date and time that the operation will start.
- (2) Number, type, and estimated times of cargo drops.
- (3) Number of personnel involved in the operation to include aircrews.
- (4) Number and type of aircraft involved, along with their operating frequencies and call signs.
- (5) Emergency procedures for in-flight emergencies.
- (6) Ingress and egress directions for aircraft.
- (7) Special requirements such as airspace closures and closing of other facilities.
- (8) Contact information for unit commander and their operations office.
- (9) Altitude of release of cargo.

c. All cargo drops will be on Preston DZ on TA 23. Other areas must be requested and approved by the Installation Range Manager in writing.

d. Required personnel:

(1) OIC – Will function as the Drop Zone Control Officer (DZCO) and be Fort Gordon Range Operations Certified. Army personnel must be a certified and current Pathfinder validated in writing by their Battalion Commander. Air Force personnel must be certified by their Squadron Commander as a Combat Controller, Para Rescue, or Air Mobility Liaison Officer.

(2) RSO - Will function as the Drop Zone Safety Officer (DZSO) and be Fort Gordon Range Operations Certified. Army personnel must be a certified and current Pathfinder validated in writing by their Battalion Commander. Air Force personnel must be certified by their Squadron Commander and be a Combat Controller, Para Rescue, or Air Mobility Liaison Officer.

(3) Medic or CLS – Will meet the requirements outlined in Section 3 of this publication.

e. Required Equipment:

(1) Communications – Drop Zone personnel must be SINCGARS and UHF capable and establish communications with Range Control and aircraft crews prior to starting operations.

(2) Patient Transport Vehicle - Must have SINCGARS communication and a dedicated driver. The vehicle must have litters and an aid bag for treatment and transportation of injured personnel.

(3) Visual Signaling Devices – Visual Signal Panels for day drops. Smoke Devices will be used IAW the daily Burn Category published by the Georgia Forestry Commission. Night drops will use strobe lights to mark the drop zone. Infra-red and night vision compatible lighting will only be used with the permission of Range Control.

(4) Meteorological Equipment – Must be on hand to monitor drop zone conditions and for weather changes that may affect aerial drops.

f. The DZCO, DZSO, and medic must check in to Range Control NLT 1400 of first day of the operation.

g. DZ personnel must present their credentials, Risk Assessment, and SOP prior to signing for the DZ.

h. Personnel must get the current range status as well other hazards that may affect their training.

i. The DZCO must occupy once his personnel reach the drop zone and must have the drop zone set up prior to allowing aircraft to begin their drops.

j. The DZCO will maintain communications with Range Control at all times and perform radio checks once an hour at the top of the hour.

k. The DZCO will notify Range Control when the first aircraft is 15 minutes from the first drop and notify Range Control when the last aircraft has exited the installation airspace.

l. Once training has been completed for the day, the DZCO will request a cold time and give Range Control the following data:

- (1) Number of personnel trained to include aircrews.
- (2) Number of total drops.
- (3) Number of aircraft and number of passes.

m. The DZCO will inform Range Control of the next training iteration.

9-3. Aerial Delivery Operations (Personnel).

a. Units performing Aerial Delivery Operations (Personnel) must present their training plans no later than 45 days prior to the scheduled date of their training. Training plans must include the following:

- (1) Date and time that the operation will start.
- (2) Number, type, and estimated times of persons being dropped.
- (3) Number of personnel involved in the operation to include aircrews.
- (4) Number and type of aircraft involved, along with their operating frequencies and call signs.
- (5) Altitude of release of cargo.
- (6) Emergency procedures for in-flight emergencies.
- (7) Ingress and egress directions for aircraft.
- (8) Special requirements such as airspace closures and closing of other facilities.
- (9) Contact information for unit commander and their operations office.

b. All personnel drops will be on Preston Drop Zone located in TA 23.

c. Drops will not be made unless Drop Zone personnel are present.

d. The DZCO will notify Range Control when aircraft is 15 minutes from their first drop.

e. The requesting unit will notify the Installation Safety Office when drops will occur.

f. Range Control will be responsible for coordinating with DPW to turn off power to all power lines in and around TA 23.

g. Range Control will be responsible for filing a Restricted Airspace NOTAM if requested by the training unit.

h. The requesting unit will coordinate and assist the Range Control in setting up and manning road blocks and other traffic control measures.

i. Required personnel:

(1) OIC – Will function as the DZCO and be Fort Gordon Range Operations Certified. Army personnel must be a certified and current Pathfinder validated in writing by their Battalion Commander.

Air Force personnel must be certified by their Squadron Commander as a Combat Controller, Para Rescue, or Air Mobility Liaison Officer.

(2) RSO - Will function as the DZSO and be Fort Gordon Range Operations Certified. Army personnel must be a certified and current Pathfinder validated in writing by their Battalion Commander. Air Force personnel must be certified by their Squadron Commander and be a Combat Controller, Para Rescue, or Air Mobility Liaison Officer.

(3) Medical support – At minimum, medical support personnel must be a MOS 68W or service equivalent.

j. Required Equipment:

(1) Communications – DZ personnel must be SINCGARS and UHF capable and establish communications with Range Control and aircraft crews prior to starting operations.

(2) Patient Transport Vehicle/Field Litter Ambulance - Must have SINCGARS communication and a dedicated driver. The vehicle must have litters and an aid bag for treatment and transportation of injured personnel.

(3) Visual Signaling Devices – Visual Signal Panels for day drops. Smoke Devices will be used IAW the daily Burn Category published by the Georgia Forestry Commission. Night drops will use strobe lights to mark the drop zone. Infra-red and night vision compatible lighting will only be used with the permission of Range Control.

(4) Meteorological Equipment – Must be on hand to monitor drop zone conditions and for weather changes that may affect aerial drops.

k. The DZCO, DZSO, and medic must check in to Range Control 24 hours prior to the start of operations.

l. Drop Zone personnel must present their credentials, Risk Assessments for DZ personnel and for the training unit, and their Standard Operating Procedures prior to signing for the drop zone.

- m. Personnel must get the current range status as well other hazards that may affect their training.
- n. The DZCO must occupy once the personnel reach the DZ and must have the DZ set up prior to allowing aircraft to begin their drops.
- o. Possible hazards to landings must be identified and reported to Range Control and aircrews prior to any drops.
- p. The DZCO will maintain communications with Range Control and perform radio checks once an hour at the top of the hour.
- q. The DZCO will notify Range Control when the first aircraft is 15 minutes from the first drop and notify Range Control when the last aircraft has exited the installation airspace.
- r. Once training has been completed for the day, the DZCO will request a cold time and give Range Control the following data:
 - (1) Number of personnel trained to include aircrews.
 - (2) Number of total drops.
 - (3) Number of aircraft and number of passes.
 - (4) The DZCO will inform Range Control of his next training iteration.

9-4. Air Assault (Helicopter)

- a. Units performing Air Assault Operations must present their training plans no later than 30 days prior to the scheduled date of their training. Training plans must include the following:
 - (1) Date and time that the operation will start.
 - (2) Number, type, and estimated times of helicopter landings.
 - (3) Manifests of personnel by stick and chalk.
 - (4) Number of personnel involved in the operation to include aircrews.
 - (5) Number and type of aircraft involved along with their operating frequencies and call signs.
 - (6) Procedures for in-flight emergencies.
 - (7) Alternate landing zones for emergencies.
 - (8) Ingress and egress directions for aircraft.

- (9) Special requirements such as airspace closures and closing of other facilities.
 - (10) Contact information for unit commander and their operations office.
 - (11) Altitude of operations.
- b. Preston DZ on TA 23 and TA 37A are the designated LZs for Air Assault operations.
 - c. Landings will not be made unless LZ personnel are present.
 - d. The LZCO will notify Range Control when aircraft is 15 minutes from the landing zone.
 - e. The requesting unit will notify the Range Safety Specialist when Air Assault operations are scheduled.
 - f. The requesting unit will coordinate and assist the Game Warden in setting up and manning road blocks and other traffic control measures.
 - g. Range Control will be responsible for filing a Restricted Airspace NOTAM with the Federal Air Administration if requested by the training unit.
 - h. Required personnel:
 - (1) OIC – Will function as the LZCO and must be Fort Gordon Range Operations Certified. Army personnel must be a certified and current Pathfinder validated in writing by their Battalion Commander. Air Force personnel must be certified by their Squadron Commander as a Combat Controller, Para Rescue, or Air Mobility Liaison Officer.
 - (2) RSO - Will function as the LZSO Fort Gordon Range Operations Certified. Army personnel must be a certified and current Pathfinder validated in writing by their Battalion Commander. Air Force personnel must be certified by their Squadron Commander and be a Combat Controller, Para Rescue, or Air Mobility Liaison Officer.
 - (3) Medical support – Must be a MOS 68W or service equivalent.
 - i. Required Equipment::
 - (1) Communications – DZ personnel must be SINCGARS capable and UHF capable and establish communications with Range Control and aircraft crews prior to starting operations.
 - (2) Patient Transport Vehicle - Must have SINCGARS communication and a dedicated driver. The vehicle must have litters and an aid bag for treatment and transportation of injured personnel.
 - (3) Visual Signaling Devices – Visual Signal Panels for day drops. Smoke Devices will be used IAW the daily Burn Category published by the Georgia Forestry Commission. Night drops will use strobe lights to mark the landing zone. Infra-red and night vision compatible lighting will only be used with the permission of Range Control.

(4) Meteorological Equipment – Must be on hand to monitor drop zone conditions and for weather changes that may affect aerial drops.

j. The LZCO, LZSO, and medic must check in to Range Control NLT 1400 or 24 hours prior to the start of operations.

k. LZ personnel must present their credentials, Risk Assessment, and Operating Procedures prior to signing for the drop zone.

l. Personnel must get the current range status as well other hazards that may affect their training.

m. The LZCO must occupy once the personnel reach the landing zone and must have the landing zone set up prior to allowing aircraft to begin their drops.

n. Possible hazards to landings must be identified and reported to Range Control and aircrews prior to any landing.

o. The LZCO will maintain communications with Range Control and perform radio checks once an hour at the top of the hour.

p. The LZCO will notify Range Control when the first aircraft is 15 minutes from the first landing and notify Range Control when the last aircraft has exited the installation airspace.

q. Once training has been completed for the day, the DZCO will request a cold time and give Range Control the following data:

(1) Number of personnel trained to include aircrews.

(2) Number of total landings.

(3) Number of aircraft by nomenclature.

(4) The LZCO will inform Range Control of his next training iteration.

r. Exceptions to these guidelines will be helicopters on real world MEDEVAC missions.

9-5. Aerial Gunnery (Helicopter).

a. Units performing Aerial Gunnery Operations must present their training plans no later than 30 days prior to the scheduled date of their training. Training plans must include the following:

(1) Date and times that the operation will start.

(2) Number, type, and estimated times of helicopters on station to include support aircraft.

- (3) Number and type of weapons to be fired.
 - (4) Conduct of fire for gunnery.
 - (5) Manifests of personnel by aircraft to include support aircraft.
 - (6) Total Number of personnel involved in the operation to include aircrews.
 - (7) Number and type of aircraft involved along with their operating frequencies and call signs.
 - (8) Procedures for in-flight emergencies.
 - (9) Location of proposed Forward Aerial Refueling Point, if applicable.
 - (10) Alternate landing zones for emergencies.
 - (11) Ingress and egress directions for aircraft.
 - (12) Special requirements such as airspace closures and closing of other facilities.
 - (13) Contact information for unit commander and their operations office.
 - (14) Altitude of operations.
- b. The Artillery Impact Area will be the only location for aerial gunnery.
- c. Aerial Gunnery will not commence unless an air liaison on the ground is present at a site designated by the Installation Range Manager and has communications with Range Control and the training aircrews.
- d. The air liaison will notify Range Control when aircraft is 15 minutes from the start of operations.
- e. The requesting unit will notify the Range Safety Specialist when Air Assault operations are scheduled.
- f. The requesting unit will coordinate and assist Range Control in setting up and manning road blocks and other traffic control measures.
- g. Range Control will be responsible for filing a Restricted Airspace NOTAM with the Federal Air Administration if requested by the training unit.
- h. Required personnel:
- (1) OIC – Must be Fort. Gordon Range Operations Certified. Can be air liaison or on training aircraft.
 - (2) RSO - Must be Fort. Gordon Range Operations Certified. Must be positioned on training aircraft.

(3) Medical support – Must be a MOS 68W or service equivalent. Medical support personnel will remain with the training aircraft.

i. Required Equipment:

(1) Communications – Drop Zone personnel must be SINCGARS and UHF capable and establish communications with Range Control and aircraft crews prior to starting operations.

(2) Patient Transport Vehicle - Must have SINCGARS communication and a dedicated driver. The vehicle must have litters and an aid bag for treatment and transportation of injured personnel.

(3) Visual Signaling Devices – Visual Signal Panels for day drops. Smoke Devices will be used IAW the daily Burn Category published by the Georgia Forestry Commission. Night drops will use strobe lights to mark the LZ. Infra-red and night vision compatible lighting will only be used with the permission of Range Control.

(4) Meteorological Equipment – Must be on hand to monitor drop zone conditions and for weather changes that may affect aerial drops.

j. The LZCO, LZSO, and medic must check into Range Control NLT 1400 or 24 hours prior to the start of operations.

k. LZ personnel must present their credentials, Risk Assessment, and SOPs prior to signing for the DZ.

l. Personnel must get the current range status as well other hazards that may affect their training.

m. The LZCO must occupy once his personnel reach the landing zone and must have the landing zone set up prior to allowing aircraft to begin their drops.

n. Possible hazards to landings must be identified and reported to Range Control and aircrews prior to any landing.

o. The LZCO will maintain communications with Range Control and perform radio checks once an hour at the top of the hour.

p. The LZCO will notify Range Control when the first aircraft is 15 minutes from the first landing and notify Range Control when the last aircraft has exited the installation airspace.

q. Once training has been completed for the day, the DZCO will request a cold time and give Range Control the following data:

- (1) Number of personnel trained to include aircrews.
 - (2) Number of total landings.
 - (3) Number of aircraft by nomenclature.
 - (4) The LZCO will inform Range Control of the next training iteration.
- r. Exceptions to these guidelines will be helicopters on real world MEDEVAC missions.

Chapter 10.

Contingency Operations

10-1. Purpose.

- a. This Section will establish standardized procedures and responses to any emergency that may occur within the Range Control's Area of Responsibility.
- b. The procedures within this Section will apply to all personnel within Forestry, Wildlife, Game Warden, Range Control, DES, IOC, Unit Commanders and Range and Training Area OIC in areas under Range Control's direct control.

10-2. Responsibilities.

- a. Range Control will be responsible for:
 - (1) All training areas and ranges in the Range Control Area of Responsibility (AOR) and as established under AR 385-63 and AR 350-19. The Range Control Manager will be the Incident Commander for all emergencies in the Range and Training Area Complex until otherwise determined by the Director, Plans, Training, Mobilization, and Security. The Range Control Manager and the IOC will determine if the Mobile Command Post is needed.
 - (2) Range Control will direct its personnel to assist and guide emergency response personnel on an "as needed basis".
 - (3) Coordinating air ambulance assets if needed
- b. The Game Warden is responsible for coordinating with Range Control for communications support with emergency assets until relieved by a communications liaison from the IOC. The Game Warden will also coordinate vehicle movement and provide road blocks as needed.
- c. Forestry and Wildlife personnel and equipment will be on stand-by if further assistance and guidance is needed for emergency response personnel as determined by the IRM.
- d. DES is responsible for:
 - (1) Notifying the IRM if an emergencies in the Range Control AOR called in on the 911 Emergency Phone System.

(2) Providing and coordinating the appropriate level of emergency response.

(3) Reporting and coordinating personnel and vehicle movement with the IOC.

(4) Providing and coordinating the appropriate level of emergency response to include personnel and vehicles without compromising safety and security of the main installation.

(5) Reporting and coordinating personnel and vehicle movement with the IOC.

(6) Providing tactical support as needed by the situation.

e. IOC is responsible for:

(1) Coordinating all emergency response personnel with the IRM.

(2) Serving as the liaison between the installation and the local emergency and public safety agencies.

(3) Man and deploy the Mobile Command Post on order from the Director, IOC.

f. Range and Training Area OICs are responsible for:

(1) Immediately notifying Range Control Operations if an emergency is identified.

(2) Providing initial medical support and determining if further assistance is needed.

(3) Providing personnel and vehicles to assist in search operations or to fight range fires as determined by the Installation Forestry Manager.

(4) Personnel accountability.

10-3. Types of Contingency Operations.

a. Range Fires.

(1) Upon discovering a Range Fire, the OIC will immediately call a "Cease Fire" and notify Range Control. The OIC will also have a designated Fire Fighting detail on standby.

(2) Range Control will dispatch personnel to determine the scope and severity of the fire and if Forestry needs to be notified.

(3) If Forestry is needed, Range Control and unit personnel will assist in containing the fire with Forestry.

(4) Forestry will determine if other assets are needed and Range Control personnel will act as communications for Forestry.

(5) The Game Warden will coordinate road blocks with the IOC if needed.

(6) All efforts will be made to preserve targetry equipment.

(7) Forestry will be the only entity to determine if a fire is out.

b. Injuries on Ranges or Training Areas. Prior to leaving Range Control, the OIC will confirm the pre-determined Rally Point (RP) and LZs for medical emergencies.

(1) It is the responsibility of the OIC to make the decision as to whether or not the casualty requires a ground or aerial Medevac based upon the medic's recommendations and evaluation.

(2) The OIC and Medical Support will remain with the casualty and determine the appropriate Medevac procedure.

(3) The OIC will bring his unit to a cease fire or halt training. The OIC of the facility will immediately report the injury to Range Control using the 9 Line Medevac format.

(4) If the injury occurs on a Live Fire range, the RSO will move all personnel off the firing line and consolidate them at the bleacher area.

(5) Training will continue only after clearance from Range Control.

c. Missing Persons.

(1) When an individual is determined missing the OIC will immediately cease fire training and notify Range Control.

(2) The OIC will use all personnel assets on hand to search for the missing person.

(3) If the unit's search efforts yield no results after one hour after the initial search start time, the Range Control must make a determination as to whether or not to call in additional search assets to include the local Civil Air Patrol unit.

(4) All live-fire training will be suspended until determined by the IRM.

(5) If determined that other assets are needed, all training within the IRM's Area of Responsibility will come to a cease and the IRM will instruct all OICs to ready their personnel to aid in the search.

(6) The Forestry and Wildlife offices will be on standby with personnel and vehicles to aid in the search efforts and to act as guides for units and their personnel.

(7) The IRM will determine if the Mobile Command Post is needed and establish roving patrols along improved roads.

(8) The Game Warden will establish road blocks and notify all hunters to cease activities.

(9) The IOC will coordinate with local emergency personnel if needed.

(10) For the duration of the search mission, all personnel and assets engaged in the search will be under the control of the IRM.

d. Downed Aircraft.

(1) In the event of a downed aircraft Range Control will dispatch teams to locate the crash site.

(2) Forestry and Wildlife will be on stand-by to provide additional teams if necessary.

(3) Game Warden will provide communications between Range Control and Emergency Services.

(4) Emergency Service personnel from the main installation will consolidate at Range Control Headquarters and wait for the order to move forward.

(5) Once the crash site has been located, Range Control, Forestry, and Wildlife personnel will guide Emergency Service personnel to the crash, and assist Law Enforcement personnel in casualty location and securing the site.

e. Law Enforcement.

(1) The Game Warden is responsible for enforcing Federal and post regulations within the Range Control Area of Responsibility.

(2) At no time will Range Control personnel directly engage with any subject or matter that is a Law Enforcement issue.

(3) Range Control will only participate in a passive and indirect role.

f. Terror Threats.

(1) If a suspected terror threat is announced by the IOC, all offices within the Range and Training Area Management Complex will follow the procedures outlined by the IOC.

(2) If a threat is determined to be escalated or imminent by the IOC, Range Control will immediately conduct an evacuation of all occupied Ranges and Training Areas.

(3) The OICs and RSOs of the occupied areas will ensure that their personnel are accounted for and secure and take with them all sensitive and classified materials. The OICs can move their units to a predetermined area on the main installation when they are ready.

(4) The OICs will be the last person off their assigned facility and will stop at Range Control to brief the Installation Range Manager.

(5) Range Control will ensure that Forestry and Wildlife personnel have departed the Range and Training Area Management Complex with the Game Warden. Range Control personnel and the Game Warden will be the last to depart.

(6) Range Control, Forestry, Wildlife, and Game Warden personnel will rally at Training Area 16 in front of the EST 2000 Trainer for accountability and further instruction.

10-4. The 911 Emergency System.

a. The IOC will inform Range Control if a contingency situation is called in via the 911 Emergency System.

b. Range Control will take one or more of the necessary measures outlined above. The type of call will dictate which measure to exercise.

10-5. After Duty Hours.

a. Range Control is not operated on a 24/7 service. Hence, when Range Control's manning operation ceases, control is turned over to the IOC. A net call will announce the battle hand-off between the IOC and Range Control.

b. If a contingency arises after duty hours or on a weekend when Range Control is not manned, the IOC will call the Range Control Manager.

c. The Range Control Manager will be the person to inform the appropriate Range Control personnel of the situation and will dispatch them if necessary.

d. Communications will be maintained with the IOC until further advised.

APPENDIX A

REFERENCES

**Section I
Required Publications**

DEPARTMENT OF DEFENSE

DOD 4160.21-M
Defense Materiel Disposition Manual

DEPARTMENT OF THE ARMY

Army Regulations

AR 5-13
Training Ammunition Management

AR 15-6
Procedures for Investigating Officers and Boards of Officers

AR 40-5
Preventive Medicine

AR 95-1
Flight Regulations

AR 95-2
Air Traffic Control, Airspace, Airfields, Flight Activities and Navigation Aids

AR 190-11
Physical Security of Arms, Ammunition and Explosives

AR 200-1
Environmental Protection and Enhancement

AR 200-2
Environmental Effects of Army Actions

AR 350-1
Army Training

AR 350-19
Army Ranges and Training Land Program

AR 350-1
Army Training

AR 350-6
Army-Wide Small Arms Competitive Marksmanship

AR 385-10
The Army Safety Program

AR 385-16
System Safety Engineering and Management

AR 385-30
Safety Color Code Markings and Signs

AR 385-40
Accident Reporting and Records

AR 385-61
The Army Chemical Agents Safety Program

AR 385-62
Regulations for Firing Guided Missiles and Heavy Rockets for Training, Target Practice and Combat

AR 385-63
Range Safety

AR 385-64
U.S. Army Explosives Safety Program
AR 420-74

Natural Resources: Land, Forest, and Wildlife Management

AR 700-22
Worldwide Ammunition Reporting System (WARS)

AR 735-5
Policies and Procedures for Property Accountability

Department of the Army Pamphlets

DA PAM 385-63
Range Safety

DA Pam 710-2-1
Using Unit Supply System

Fort Gordon Publications

USASCoE&FG Reg 210-22
Facilities Engineering, Services, and Supplies

USASCoE&FG Reg 420-5
Hunting, Fishing, Trapping, and Horseback Riding Regulations

USASCoE&FG Reg 420-7
Endangered Species Regulation

Field Manuals

FM 5-19
Composite Risk Management

FM 5-250
Explosives and Demolitions

FM 6-50
Tactics, Techniques, and Procedures for the Field Artillery Cannon Battery

FM 21-11
First Aid for Soldiers

FM 22-6
Guard Duty

FM 3-22.27
MK 19, 40-mm Grenade Machine Gun, MOD

FM 3-22.9
M16A1 Rifle and M16A2 Rifle Marksmanship

FM 3-22.31
40-MM Grenade Launcher, M203

FM 3-22.65
Browning Machine Gun, Caliber, .50 HB M2

FM 3-22.68
Crew Served Weapons

FM 3-22.90
Mortars

FM 3-22.91
Mortar Gunnery

FM 23-8
M14 and M14A1 Rifles and Rifle Marksmanship

FM 23-11
90-MM Recoilless Rifle, M67

FM 23-23
Antipersonnel Mine M18A1 and M18 (Claymore)

FM 3-23.25
Shoulder Launched Munitions

FM 3-23.30
Grenades and Pyrotechnic Signals

FM 23-33
60-MM Heat Rocket, M72A1, M72A2 (Light Antitank Weapon)

FM 3-23.35
Combat Training with Pistols and Revolvers

FM 25-4
How to Conduct Training Exercises

FM 3-25.26
Map Reading and Land Navigation

FM 3-100.12
Risk Management

FM 34-64
Electronic Security (ELSEC) Techniques

Training Circulars

TC 23-14
Sniper Training and Employment

TC 24-20
Tactical Wire and Cable Techniques

TC 25-1
Training Land

TC 57-1
The Jumpmaster

Technical Manuals

TM 9-1300-206
Ammunition and Explosives Standards

TM 9-1300.214
Military Explosives

TM 9-1300.250
Ammunition Maintenance

Technical Bulletins

TB 9-1300.385
Munitions Restricted or Suspended

Safety Bulletins

SB 742-1
Inspection of Supplies and Equipment

Section II Required Forms

Forms

DA Form 285
U.S. Army Accident Report

DA Form 581
Request or Issue and Turn-In of Ammunition

DA Form 1045
Army Ideas for Excellence Program (AIEP) Proposal

DA Form 1687
Notice of Delegation of Authority-Receipt for Supplies
DA Form 2028
Recommended Changes to Publications and Blank Forms

DA Form 3022-R
Army Surveillance Record

DA Form 3151-R
Ammunition Stores Slip

DA Form 4697
Department of the Army Report of Survey

FG Form 6729-R-E
Range Safety Certification

APPENDIX B

AVAILABLE RANGES AND TRAINING AREAS

B-1 TRAINING AREAS

TA1

Available for training. Limitation may apply due to cantonment area.

TA2

Available for training. Limitation may apply due to cantonment area.

TA3

Available for training. Limitation may apply due to cantonment area.

TA4

Available for training. Limitation may apply due to cantonment area.

TA5

Available for training.

TA6

Confidence Course
Obstacle Course
Leader's Reaction Course
Limited Maneuver

TA7

Limited foot maneuver

TA8

Available for training. Limitation may apply due to cantonment area.

TA9

For use by 15th SIG BDE

TA10

Available for training.

TA11

Available for training. Limitation may apply due to cantonment area.

TA12

Available for training. Limitation may apply due to cantonment area.

TA13

Available for training. Limitation may apply due to cantonment area.

TA14

Limited availability, prime use by Regimental NCO Academy

TA15

Limited availability, prime use by DMWR

TA16

Limited availability, primary use for:

EST 2000

HEAT

CFFT

Virtual Training Facility

Range Headquarters

FOB Patriot

TA17

Available for training.

TA18

Available for training.

TA19

Available for training.

TA20

Available for training.

TA21

Available for training.

TA22

Available for training.

TA23

Limited availability, primary use for personnel and cargo airborne operations and Air Assault training

TA24

MOUT Facility

AAR Facility

CBRNE Chamber

FOB COBRA

Available for training.

TA25

Available for training.

TA26

Land Navigation Training Site

Available for training.

TA27

Available for training.

TA28

Available for training.

TA29

Available for training.

TA30

Urban Training Facility

Available for training.

TA31

Available for training.

TA32

Available for training.

TA33

Available for training.

TA34

Available for training.

TA35

Available for training.

TA36

Available for training.

TA37A

Available for training.

TA37B

Available for training.

Closed for Convoy Live Fire

TA38

Available for training.
Closed for Aerial Gunnery
Closed for Convoy Live Fire

TA39

Available for training.
Closed for Aerial Gunnery
Closed for Convoy Live Fire

TA40

Available for training.
Closed for Aerial Gunnery
Closed for Convoy Live Fire

TA41

Available for training.
Closed for Aerial Gunnery
Closed for Convoy Live Fire

TA42

Available for training.
Closed for Aerial Gunnery

TA43

Available for training.
Closed for Aerial Gunnery
Closed for Convoy Live Fire

TA44

Available for training.
Closed for Aerial Gunnery
Closed for Convoy Live Fire

TA45

Available for training.
Closed for Aerial Gunnery
Closed for Convoy Live Fire

TA46

Available for training.
Closed for Aerial Gunnery
Closed for Convoy Live Fire

TA47

Available for training.
Closed for Aerial Gunnery
Closed for Convoy Live Fire

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USASCoE&FG Reg 350-19

TA48

Available for training.

Closed for Aerial Gunnery

TA49A

Available for training.

Closed for Aerial Gunnery

TA49B

Available for training.

Closed for Aerial Gunnery

Closed for Convoy Live Fire

APPENDIX B-2	FT. GORDON RANGES								
	1	2	3	4	5	6	7	7A	8
RANGE TYPE	25M Zero	Combat Pistol Qual.	INACTIVE	Known Distance Range	M203 Qual.	M16 Record Fire Range	25M Zero	Record Machine Gun Fire/Zero	25M Zero/ Reflexive Fire
LANES/POINTS	70	15		30	2	10	25	5/10	32/10
WEAPON SYS. / AMMO	M16, M4/5.56mm	Service Pistol/ Service Pistol Ammo		SWS,M16/ 7.62mm, 5.56mm	M203/ TPT ONLY	M16, M4/ 5.56mm	M16, M4/ 5.56mm	M249, M240, M60/ 5.56mm, 7.62mm	M16, M4/ 5.56mm
TOWER	YES	YES		NO	NO	YES	YES	YES/NO	YES
AMMO BUILDING	YES	YES		NO	NO	YES	YES	YES/NO	YES
BLEACHERS	YES	YES		NO	YES	YES	YES	YES/YES	YES
POWER OUTLETS	1	3		NO	NO	2	1	3/0	2
COMMUNICATION	LMR, SINCGARS	LMR, SINCGARS		LMR, SINCGARS	LMR, SINCGARS	LMR, SINCGARS	LMR, SINCGARS	LMR, SINCGARS	LMR, SINCGARS
TARGET TYPE	25M Zero	Automated Pop-Up		By weapon system	Fixed, Wooden	Automated Pop-Up	25M Zero	Automated Pop-Up/ 10M Zero	25M Zero/Reflexive Fire
LIGHTING	NO	NO		NO	NO	YES	NO	NO/NO	YES
MESS AREA	NO	NO		NO	NO	NO	NO	NO/NO	NO
TRACER USE	NO	YES		YES	NO	YES	NO	YES/YES	YES
TRAINING REFERENCE	FM 3-22.9	FM3-23.35	FM 3-22.9	FM3-22.31	FM 3-22.9	FM 3-22.9	FM3-22.68	FM 3-22.9	

APPENDIX B-2 (cont.)	FT. GORDON RANGES – Continued										
	9	9A	10	11	12	13	14	15	16	18	AIA
RANGE TYPE	M16 Record Fire Range	25M Zero	Alternate Pistol Qual./ Shoothouse	M16 Record Fire Range	INACTIVE	INACTIVE	DCA CIVILIAN MARKSMANSHIP RANGE	M203/ MK19 HE Familiarization Range	M2HB MG/ MK19 GMG Familiarization Range	AERIAL GUNNERY	Convoy Live Fire/Demo Pit
LANES/POINTS	16	32	10/N/A	16				10	10	N/A	N/A
WEAPON SYS. / AMMO	M16, M4/5.56mm	M16, M4/5.56mm	Service Pistol/ Service Pistol Ammo	M16, M4/ 5.56mm				M203, MK19/40mm Grenade, HE	M2HB MG, MK19/ .50 CAL, 40mm Grenade, HE	N/A	M16, M4, MK19, M9/ 5.56mm, 9mm, 40mm Grenade, HE
TOWER	YES	NO	NO	YES				NO	NO	N/A	N/A
AMMO BUILDING	YES	NO	NO	YES				NO	NO	N/A	N/A
BLEACHERS	YES	NO	YES	YES				YES	YES	N/A	N/A
POWER OUTLETS	2	0	0	2						N/A	N/A
COMMUNICATION	LMR, SINCGARS	LMR, SINCGARS	LMR, SINCGARS	LMR, SINCGARS				LMR, SINCGARS	LMR, SINCGARS	N/A	LMR, SINCGARS
TARGET TYPE	Automated Pop-Up	25M Zero	25M Pistol Qual./N/A	Automated Pop-Up				FIXED	FIXED	N/A	FIXED, POP-UP
LIGHTING	YES	NO	NO	YES				NO	NO	N/A	N/A
MESS AREA	NO	NO	NO	NO				NO	NO	N/A	N/A
TRACER USE	YES	YES	NO	YES				NO	NO	N/A	YES
TRAINING REFERENCE	FM 3-22.9	FM 3-22.9	FM3-23.35	FM 3-22.9				FM3-22.31 FM3-22.27	FM3-22.27 FM3-22.65	FM 1-100, FM 1-112	TSP 41, 551-Z-0002

Appendix C

Forms

C-1

Range Operations Orientation Attendance Request

DEPARTMENT OF THE ARMY

YOUR UNIT

YOUR ADDRESS

YOUR LOCATION, YOUR ZIP CODE

YOUR-OFFICE-SYMBOL

MEMORANDUM FOR: Range Control Operations, FT. Gordon, GA 30905

FROM: Commander, Your Unit

THRU: Your unit's S-3/Operations

Subject: Range Safety Certification Class

- 1. Request that the following Soldiers/individuals attend the Range Safety Certification class on the listed date.

<u>RANK</u>	<u>NAME</u>	<u>Last four SSN</u>
SGT	DEEDEE, DEE	1122

- 2. The desired date of instruction is DESIRED DATE.
- 3. It is understood that the listed may not be able to attend on the desired date due to seating and may be entered in to a class at a later date.
- 4. I further verify that the above listed Soldiers/Individuals are qualified to standard and fully knowledgeable on the following weapons systems:

LIST WEAPON SYSTEMS AND/OR CLFX

- 5. Point of Contact for this memorandum is MSG Joe at 706-791-XXXX

Joe Tentpeg
 Field Grade Officer, IN
 Commanding

C-2
Range and Training Area Checklist

DEPARTMENT OF THE ARMY
Range Control, DPTMS
Bldg. 482, Range Road
FT. Gordon, GA 30905-5730

Range/Training Area Checklist

UNIT: _____ RG/TA: _____ DATE: _____

BEFORE OPERATIONS, THE OIC MUST:

1. Contact Range Control and REQUEST occupation time with number of personnel and number of vehicles. OIC will also give OIC and RSO initials (OSCAR-1 Report).

LINE 1	# of PERS _____
LINE 2	# of VEHS _____
LINE 3	OIC INIT _____
LINE 4	RSO INIT _____
2. Conduct an inspection of TA/RG and report any deficiencies to Range Control within the first 30 minutes after an occupation time is issued.
3. Ensure that the Risk Assessment worksheet is properly filled out and on hand along with the Environmental Checklist.
4. Ensure Medical/CLS personnel are present with 9-Line MEDEVAC request and are proficient with FT Gordon's MEDEVAC procedures and have a strip map from Area of Operations to DDEAMC and a map to LZs for Dust-Off. Medical/CLS personnel will have no other duties.
5. Ensure all tactical vehicles, generators, and other motor operated equipment (GOVs are excluded) have drain pan(s) and have wheels properly blocked when parked. If heaters are used, ensure there is adequate ventilation in the area of use and that fuel sources are located the minimum safe distance away from the heat source IAW appropriate local and DA regulations.
6. Ensure that appropriate safety equipment is present at the base of the tower (ranges only). A minimum of a shovel, pick, axe, and 10lb. fire extinguisher are required (All RG/TAs under a "hot" status.).
7. Ensure that all personnel on site receive a safety briefing on:
 - a. Fire Conditions
 - b. Location of Medical Personnel
 - c. Ammunition
 - d. Firing Limits
 - e. Dud reporting
 - f. Sky watch for low fly (RSO, Tower NCO, Gate Guards, Safety NCOs)
 - g. Adjoining TA/RGs
 - h. Designated Smoking Areas
 - i. Inclement Weather Procedures
 - j. Wildlife Conservation
8. Ensure all safety personnel receive a briefing on their duties and responsibilities and ammo handlers have received their briefing on duties and responsibilities.
9. Ensure all weapon systems in use have the appropriate TMs and FMs present. OIC will also ensure that sufficient supplies of score cards are on hand (if applicable).

	YES	NO	N/A

- 10. Visually inspect down range to ensure it is clear of personnel or check TA for unauthorized personnel. (e.g., hunters.)
- 11. Ensure that the required personnel outlined in the range SOP have no other duties.

UNIT: _____ RG/TA: _____ DATE: _____

- 12. Brief gate guards on their duties and ensure they have adequate communications with OIC.
- 13. Ensure all POVs have been removed from Range/Training Area.
- 14. Prior to requesting a “hot” time, ensure red range flag is flying (live fire ranges) and RSO and Medical Personnel with properly marked Patient Transport Vehicle and Aid Bag are present (Ranges and Training Areas).
- 15. Ensure all Port-A-Lets are in serviceable condition

YES	NO	N/A

DURING OPERATIONS, THE OIC MUST:

- 1. Conduct a radio check with Range Control at the top of the hour on “hot” ranges. Training Areas must conduct radio checks once before 12:00 p.m. EST and once after 12:00 p.m. EST.
- 2. Monitor Range Control frequency during operations. If communications are lost with Range Control the OIC will bring the range to a “CEASE FIRE” until communications can be re-established.
- 3. Remain on RG/TA. If OIC or RSO must leave the training site for any reason, Range Control must be contacted. Changing of OIC or RSO can only be approved by RANGE CONTROL.
- 4. Maintain a positive round count (ranges only) and that there are no vehicles at the ammo point.
- 5. Maintain positive control of all safety personnel. RSO’s will remain on the firing line or at the entrance to the firing line.
- 6. Ensure all personnel are following the guidelines given during their initial briefing.
- 7. Ensure no POVs are allowed to stop or park within the OIC’s area of responsibility outlined in the range SOP and/or training area.
- 8. Ensure all Wildlife markers and areas are being observed and followed
- 9. Ensure no open fires are used.
- 10. Be prepared to receive Range Control personnel and provide a brief of the day’s activities.
- 11. If operations are conducted over multiple days, closing reports must be submitted to Range Control at the end of daily operations and all procedures for opening must be followed prior to starting the next day’s operations.

AFTER OPERATIONS THE OIC MUST:

- 1. Request a “cold” time from Range Control with the following information:

LINE 1	Number of personnel trained _____
CHARLIE-1 Report LINE 2	Number of rounds fired. _____
LINE 3	Ammunition by DODIC. _____
- 2. Request a clear time once you have completed police call and cleaned all facilities.

YES	NO	N/A

- 3 Remain on RG/TA until the area is cleared by the Range Control Inspector.
- 4 Ensure all areas are policed to include brass, ammo dunnage, and trash. If a permanent building or tower was used, ensure that the floors and bathrooms are swept and all trash has been removed and make sure all power is turned off. On ranges, sandbags will be neatly stacked under the tower and target sheds will have their equipment neatly put away and swept.
- 5 Ensure Port – A – Lets are free of trash and debris and that there is no garbage in tanks.
- 6 Ensure that any POL spills have been adequately reported, removed and disposed of.
7. Ensure all equipment and personnel have been removed from training area or range prior to the Range Control Inspector’s arrival and subsequent clearing of the area.
- 8 Ensure this Checklist along with all equipment signed out from Range Control is turned in.

CLOSING REPORT

UNIT: _____ RG/TA: _____ DATE: _____

OIC: _____ RSO: _____ Time Hot: _____ Time Cold: _____

Type of Ammunition by DODIC	Total Rounds Fired	Number of Soldiers Trained	Number of Soldiers Qualified
		Time of Opening Fire	Time of Last Round

I (printed name and rank) _____ have read and understand the checklist outlined above.

OIC Signature _____ Date _____

FOR RANGE CONTROL USE		
ISSUED BY _____	DATE _____	LMR# _____
RANGE INSPECTOR _____	DATE OF INSPECTION _____	
RANGE INSPECTORS COMMENTS		

AMMUNITION POINT CHECKLIST

Part 1 – General Information

Unit/Activity: _____ Date: _____

Ammo Point NCOIC: _____ Range: _____

Signature: _____

Part 2 – Ammunition Point Checklist

- | | | | |
|---|-----|----|-----|
| 1. Ammunition placed on wooden pallet/table? | YES | NO | N/A |
| 2. Are weapons stored on ammo point? | YES | NO | N/A |
| 2. Is a fire extinguisher on hand (10lb. A/B/C rating)? | YES | NO | N/A |
| 3. Is ammunition separated by DODIC and Lot Number? | YES | NO | N/A |
| 4. Misfires and damage ammunition separated from serviceable ammunition? | YES | NO | N/A |
| 5. Trash, debris, and ammunition packing material being policed at all times? | YES | NO | N/A |
| 6. Is number of detail personnel and equipment being kept to a minimum? | YES | NO | N/A |
| 7. Correct number of rounds & type in magazines IAW DA Pam 350-38? | YES | NO | N/A |

C-3 Record of Environmental Consideration

National Environmental Policy Act (NEPA) Field Training Record of Environmental Consideration (REC) 32 CFR Part 651 AR 200-2					
Instructions: Complete this FTX checklist 30 days prior to any field training event and submit it by e-mail to the Range Control scheduler (jeffery.everett@gordon.army.mil). All sections must be completely filled in to include placing the FTX location on the included map. Save the completed form on your computer and attach it to your e-mail. Any questions about how to complete the forms should be directed to the NEPA manager at 791-6374 or 791-8245. <i>*One Training Area per checklist. If your FTX includes 4 Training Areas, you will need to fill out 4 environmental checklists.</i>					
a. Organization/Unit		b. Organization/Unit POC (Name & Phone #)			
c. Training Area		d. Grid Coordinates		e. Number of Personnel Involved	
f. Number and Types of Vehicles Involved		g. Type and Amount of Ammunition			
h. FTX Start Date		i. FTX End Date		Signature	
j. Field Training Activities (check all that apply):					
Foot Traffic Only		Microwave Communication Equipment			
POL Storage		Field Shower/Laundry		10-digit Grid Coord	
Type		MKT		10-digit Grid Coord	
Amount		Pyrotechnics		10-digit Grid Coord	
				Type/Size	
Refueling		10-digit Grid Coord			
Routine					
Special		Blanks		10-digit Grid Coord	
Chemical Decon Operations				Type/Size	
Generators					
Tent Heater					
Hazardous Material Storage			Aircraft Flight Operations		
Commo/Concertina Wire					
Tactical Cross Country Movement of Vehicles (excluding existing roads and firebreaks)					
Digging/Ground Disturbance (this includes grounding rods, tent stakes, foxholes, drainage ditches, hasty fighting positions)					
		10-digit Grid Coord			
k. Brief Description of activities and additional information (include any training activities not included above)					
THIS IS AN EXAMPLE. FOR ACTUAL DOCUMENT, REFER TO FT GORDON RC WEBSITE					

C-4 Risk Management Worksheet

COMPOSITE RISK MANAGEMENT WORKSHEET							
For use of this form, see FM 5-19, the proponent agency is TRADOC							
1. MSN/TASK			2a. DTG BEGIN		2b. DTG END	3. DATE PREPARED (YYYYMMDD)	
4. PREPARED BY							
a. LAST NAME			b. RANK		c. POSITION		
5. SUBTASK	6. HAZARDS	7. INITIAL RISK LEVEL	8. CONTROLS	9. RESIDUAL RISK LEVEL	10. HOW TO IMPLEMENT	11. HOW TO SUPERVISE (WHO)	12. WAS CONTROL EFFECTIVE?
Additional space for entries in Items 5 through is provided on Page 2.							
13. OVERALL RISK LEVEL AFTER CONTROLS ARE IMPLEMENTED (<i>Check one</i>)							
LOW		MODERATE		HIGH		EXTREMELY HIGH	
14. RISK DECISION AUTHORITY							
a. LAST NAME			b. RANK		c. DUTY POSITION		d. SIGNATURE

C-4 Risk Management Worksheet (cont.)

ITEMS 5 THROUGH 12 CONTINUED:							
5. SUBTASK	6. HAZARDS	7. INITIAL RISK LEVEL	8. CONTROLS	9. RESIDUAL RISK LEVEL	10. HOW TO IMPLEMENT	11. HOW TO SUPERVISE (WHO)	12. WAS CONTROL EFFECTIVE?

C-5 - 9 Line MEDEVAC Request

9 LINE MEDEVAC REQUEST

Line 1	Location of the pick-up site.		
Line 2	Radio frequency, call sign, and suffix.		
Line 3	Number of patients by precedence:	A - Urgent B - Urgent Surgical C - Priority D - Routine E - Convenience	
Line 4	Special equipment required:	A - None B - Hoist C - Extraction Equipment D - Ventilator	
Line 5	Number of patients:	A - Litter B - Ambulatory	
Line 6	Security at pick-up site:	N - No enemy troops in area P - Possible enemy troops in area (approach with caution) E - Enemy troops in area (approach with caution) X - Enemy troops in area (armed escort required) * In peacetime - number and types of wounds, injuries, and illnesses.	
Line 7	Method of marking pick-up site:	A - Panels B - Pyrotechnic signal C - Smoke signal D - None E - Other	
Line 8	Patient nationality and status:	A - US Military B - US Civilian C - Non-US Military D - Non-US Civilian E - EPW	
Line 9	NBC Contamination:	N - Nuclear B - Biological C - Chemical * In peacetime - terrain description of pick-up site.	

**C-6
RELEASE AND HOLD HARMLESS
(Unit)**

DATA REQUIRED BY THE PRIVACY ACT OF 1974

Authority: 10 U.S.C. 3012

Principal Purpose: To execute hold harmless and release statement.

Routine Uses: Information is needed to identify the participant and to ensure that participant executes the hold harmless and release.

Disclosure: Disclosure is voluntary. Failure to provide the requested information will be a basis to deny participation.

Name (Last, First, MI)

Street Address

City

State

(Area Code) Phone Number

In consideration for receiving permission from the Department of the Army and the _____, to participate in a _____ live fire training exercise at Fort Gordon, Georgia, on _____, _____, I agree that the United States Government, the Department of the Army, and the Georgia Army National Guard, its officers, agents, servants, and employees, shall not be liable for any claims, demands, injuries, actions or causes of action which arise from my participation in the live fire training exercise. I further agree to hold harmless the United States Government, the Department of the Army, and the _____, its officers, agents, servants, and employees from all claims, demands, injuries, actions or causes of action which may arise as the result of my negligence, gross negligence or willful misconduct while participating in the live fire training exercise. I expressly forever release and discharge the United States Government, the Department of the Army, the _____, its officers, agents, servants, and employees from all such claims, demands, injuries, actions or causes of action, including those for negligence, arising out of or related to any loss, damage, or injury, including death, that I may sustain.

DATE: _____

Signature

GLOSSARY

Section I
Abbreviations

AFOP

Ammunition found on post

AIEP

Army Ideas for Excellence Program

ALCE

Airlift Control Element

Ammo

Ammunition

AR

Army Regulation

ARNG

Army National Guard

ARTEP

Army Training and Evaluation Program

ASP

Ammunition Supply Point

AT

Annual Training

ATV

all terrain vehicle

BDU

Battery Display Unit

BN

Battalion

BTRY

Battery

C/FB

Chief of Firing Battery

C/Sec
Chief of Section

Cal
Caliber

CALS
Committee for Ammunition Logistics

CDO
Center Duty Officer

CDR
Commander

CPL
Corporal

CS
Chlorobenzalmalonitrile

DA
Department of the Army

DDEAMC
Dwight David Eisenhower Army Medical Center

DHS
Directorate of Health Services

DOD
Department of Defense

DODIC
Department of Defense Identification Code

DOIM
Directorate of Information Management

DOL
Directorate of Logistics

DOS
Director Operations Services

DOSOR

Director Operations Services of Ranges

DES

Directorate of Public Safety

DPTMS

Directorate of Plans, Training, Mobilization, and Security

DPW

Directorate of Public Works

DRM

Directorate of Resource Management

DSN

Defense Switched Network

DZ

Drop Zone

DZSO

Drop Zone Safety Officer

ENVIRONMENTAL DIVISION, DIRECTORATE OF PUBLIC WORKS (DPW)

Environmental and Natural Resources Management Office

EOD

Explosive Ordnance Disposal

EPA

Environmental Protection Agency

FAA

Federal Aviation Agency

FAIA

Field Artillery Impact Area

FAS

Field Ammunition Storage

FDC

Fire Direction Center

FDO

Fire Direction Officer

FG

Fort Gordon

FM

Field Manual

FORSCOM

United States Army Forces Command

FSU

Field Storage Units

FTX

field training exercise

GA

Georgia

GSA

General Services Administration

HE

High Explosive

HQ TRADOC

Headquarters, United States Training and Doctrine Command

HQDA

Headquarters, Department of the Army

IAW

In Accordance With

ICM

Improved Capability Munitions

IRM

Installation Range Manager

ITAM

Integrated Training Area Management

lb

pound

LTC

Lieutenant Colonel

LZ

Landing Zone

MACOM

Major Command

MACS

Machine Arcade Combat Simulator

MHz

Megahertz

mm

Millimeter

MP

Military Police

MUSARC

Major U.S. Army Reserve Command

NAIC

Nuclear accident and incident control

NBC

Nuclear, Biological, Chemical

NCO

Noncommissioned Officer

NCOIC

Noncommissioned Officer in Charge

NCS

Net Control Station

NG

National Guard

NLT

No later than

NSN

National Stock Number

OIC

Officer in Charge

PAO

Public Affairs Office

POC

Point of Contact

POL

Petroleum, Oils, and Lubricants

POV

Privately owned vehicle

PSP

Perforated steel platform

QASAS

Quality Assurance Specialist Ammunition Supply

QD

Quantity Distance

RCSD

Reserve Component Support Division

RFMSS

Range Facility Management Support System

ROTC

Reserve Officers' Training Corps

RSO

Range Safety Officer

SFC

Sergeant First Class

SIR

Serious Incident Report

SOP

Standing Operating Procedures

SSG

Staff Sergeant

TAMIS

Training Ammunition
Management Information System

TC

Training Circular

TEC

Training Event Code

TM

Technical Manual

TRADOC

United States Army Training and Doctrine Command

U.S.

United States

UCMJ

Uniform Code of Military Justice

UHF

Ultra High Frequency

UIC

Unit Identification Code

USAR

United States Army Reserve

USASCOE&FG

United States Army Signal Center and Fort Gordon

UTF

Urban Training Facility

VE

Velocity Error

VHF

Very High Frequency

WARS

Worldwide Ammunition Reporting System

XO

Executive Officer

Section II

Terms

Cease fire

A command given to immediately discontinue firing. Any person observing an unsafe condition at the firing location may give the command.

Check fire

A cease-fire imposed by Range Control.

Combat Control Team

A team which clears and secures a DZ/LZ. Usually U.S. Air Force

Combined Arms Live Fire Exercise (CALFEX)

A company or larger maneuver elements employing combat formations using supporting mortar, artillery, Army aviation, and/or close air support (CAS) fares.

Drop Zone Safety Officer

A qualified parachutist with the rank of at a least Staff Sergeant who is responsible for aspects of safety during an airborne operation (see appendix C).

Dry Facility

A facility/range which is in use, but on which no ammunition is being fired.

Dud Area

An area designated by the Installation Range Manager in which one or more non-detonated explosive items are present which create a hazard to persons or property. This definition includes all impact areas. The sign is marked DANGER DUD AREA unauthorized entry into this area and handling or removal of unexploded ammunition is extremely dangerous and prohibited under penalties provided by law.

Firing Point

Any area designated by Installation Range Manager for the firing of indirect-fire weapons using live ammunition.

Impact Area

An area designated by the Installation Range Manager in which all live ammunition is fired from designated range or firing points can be expected to impact detonate. Impact areas are further defined as artillery and small arms impact areas. The perimeters of impact areas are clearly marked by signs reading DANGER IMPACT AREA, KEEP OUT. The impact area is within the approved surface danger zone.

Maintenance

Routine periodic inspections and repairs or replacement of existing items.

Occupy

A unit physically located on a range or training area with personnel, equipment, or ammunition. Units will establish communications with Range Control to request permission to occupy any range, firing point or observation point in either a dry or wet status.

Officer in Charge

Commissioned or Non Commissioned Officer designated by the unit to be responsible to the Installation Range Manager for the maintenance and safe use of a specified Firing range, training/facility, or artillery firing point. Must be an E-6 or above

Off-Limits Areas

Dud and Impact Areas. Entry into dud and impact areas is prohibited at all times. Ranges, landing zones, and the other impact areas. All ranges, landing zone (airstrip located in Training Area 37), and other impact areas are off-limits to all personnel except as authorized by the Installation Range Manager.

OIC of Training

Designated commissioned or noncommissioned officer in charge of all activities at one or more particular firing points and responsible for all firing safety.

Range

Any area designated by the Installation Range Manager for the firing of direct-fire weapons with live ammunition. Area includes target, ricochet, and safety areas specified in AR 385-63 as well as administrative areas and facilities

Installation Range Manager

Individual designated by the installation commander to be responsible for the coordination, maintenance, and safe use of ranges, firing points training areas, and facilities on the reservation.

Range Safety Officer

Individual designated by the using unit responsible to the Installation Range Manager and OIC for the safe conduct of firing on a specified range group of firing points. Range Safety Officer will not be assigned any other duties. Must be an E-6 or above

Recreation Area

Any area designated by the installation commander within which recreational activities are conducted.

Restricted Area**Federal Aviation Administration**

Special use airspace designated under Federal Aviation Regulation, Part 73, within which the flight of aircraft is subject to restriction.

Restricted Area - Other

Any area or facility designated IAW AR 385-63 by the installation commander within which specified restrictions on entry and/or exit applies.

Roadblock

A barrier, permanent or temporary set across a road or trail to bar foot and/or vehicular traffic. Permanent barriers are established by Installation Range Manager, temporary barriers are established the Installation Range Manager or using unit with the concurrence of the Installation Range Manager.

Surface Danger Zone

The segment of the range is which is endangered by particular type of weapon firing (see DA PAM 385-63 for surface danger zone diagrams of various weapons).

Training Area

An area designated by the Installation Range Manager within which unit training activities are conducted, exclusive of training facilities located therein.

Training Facility

An area designated by the Installation Range Manager, excluding ranges and firing points, within which a specific training activity is conducted and for which the facility has been designated, (e.g., landing strip. DZ, bivouac site, signal training site, etc.).

Occupying Unit

Any unit or organization authorized by the Installation Range Manager IAW current regulations to use training ranges, firing points, areas, and/or facilities on the reservation. This department includes non-Department of Defense (DOD) and civilian organizations authorized use of DOD facilities.

Wet Facility

A facility or range which is in use.

(IMSE-GOR-PL)

FOR THE COMMANDER:

OFFICIAL:

/original signed/
GLENN A. KENNEDY, II
COL, SC
Commanding

/original signed/
JOHN MCINTYRE
Director of Human Resources
/Adjutant General

DISTRIBUTION:

<http://www.gordon.army.mil/dhr/DocMgt/docmgt.htm>