

AMEDDC&S & FSH Reg 350-2

**APPENDIX A
REQUIRED PUBLICATIONS AND FORMS**

- AR 5-9, Area Support Responsibilities.
- OBS AR 10-1 MAR 87, Private Organizations on Military Reservations.
- AR 40-5, Preventive Medicine.
- AR 75-1, Malfunctions Involving Ammunition and Explosives.
- AR 190-11, Physical Security of Arms, Ammunition, and Explosives.
- AR 190-13, The Army Physical Security Program.
- AR 190-51, Security of Unclassified Army Property (Sensitive and Non-Sensitive).
- AR 200-1, Environmental Protection and Enhancement.
- AR 200-2, Environmental Effects of Army Actions.
- AR 210-21, Army Ranges and Training Land Program.
- AR 350-4, Integrated Training Area Management (ITAM).
- AR 350-1, APR 03, Training in Units.
- AR 385-10, The Army Safety Program.
- AR 385-40, Accident Reporting and Records.
- AR 385-63, Range Safety, May 2003.
- AR 385-64, U.S. Army Explosives Safety Program.
- AR 420-90, Fire and Emergency Services.
- AR 600-8-1, Army Casualty Operations/Assistance/Insurance.
- AR 600-20, Army Command Policy.
- AR 670-1, Wear and Appearance of Army Uniforms and Insignia.
- AR 710-2, Inventory Management Supply Policy Below the Wholesale Level.
- DA Pam 385-40, Army Accident Investigation and Reporting.
- DOD Reg 5500.7-R, Joint Ethics Regulation.
- Endangered Species Act (ESA) 1973, (16 USC 1531-1544).
- U.S. Fish and Wildlife Cooperative Plan (16 USC 670a).

- FSH Reg 5-1, Management Installation Support.
- FSH Reg 40-6, Prevention of Heat Injury.
- FSH Reg 95-1, Aviation General Provisions, Local Flight Rules, and Flight Standardization.
- FSH Reg 190-5, Motor Vehicle Traffic Code.
- FSH Reg 350-2, AMEDDCS & FSH Reg 350-2.
- FSH Reg 385-10, Occupational Safety and Health Program
- FSH Reg 420-5, Fire Prevention and Protection.
- FSH Reg 500-5, Fort Sam Houston Mobilization and Deployment Improvement Program (FSHDIP).
- FM 5-250, Explosives and Demolitions.
- FM 7-10, The Infantry Rifle Company.
- FM 3-19.30, Physical Security.
- FM 21-10, Field Hygiene and Sanitation.
- FM 21-20, Physical Fitness Training.
- FM 3-25.26, Map Reading and Land Navigation.
- FM 21-305, Manual for Wheeled Vehicle Driver.
- FM 23-11, 90-MM Recoilless Rifle, M67.
- FM 3-23.30, Grenades and Pyrotechnic Signals.
- FM 3-23.35, Combat Training with Pistols and Revolvers.
- FM 3-22.68, Machinegun, 7.62-MM, M60.
- FM 3-21.220, Advanced Parachuting Techniques.
- TB MED 81, Cold Injury (NAVMED P-5052-29/AFP 161-111).
- TB MED 507, Prevention Treatment, and Control of Heat Injury (NAVMED P-5052-5/AFP 160-1).
- TC 21-306, Tracked Combat Vehicle Driver Training.
- TC 25-8, Training Ranges.
- DA Form 285, U.S. Army Accident Report.

- DA Form 285-AB-R, U.S. Army Abbreviated Ground Accident Report (AGAR).
- DA Form 581, Request for Issue and Turn-In of Ammunition.
- DA Form 1687, Notice of Delegation of Authority - Receipt for Supplies.
- DA Form 3626, Vehicle Registration/Driver Record.
- DA Form 3938, Local Service Request.
- DA Form 5457-R, Portable Water Container Inspection.
- DA Form 5515, Training Ammunition Control Document.
- CSFS Form 61*-E, Customer Range Inspection Checklist.
- CSFS Form 62*-E, Training Facility and Equipment Register.
- CSFS Form 96-E, Accident/Incident/Near Miss Report.
- CSFS Form 2070-E, Request for Ranges/Training Areas.
- CSFS Form 2071-E-R, Request for Aircraft Use on Camp Bullis Training Site.
- CSFS Form 4297, Risk Management Worksheet.
- CSFS Form 4297-1, Risk Management Worksheet Continued.
- CSFS Form 4335- Camp Bullis, Preventive Medicine Service, Field Site Inspection Checklist.
- CSFS Form 4336- Camp Bullis Checklist for Airborne/Combat Assault Landing Strip (CALs) Operations.
- CSFS Form 4337- Camp Bullis Range Clearance Checklist

APPENDIX B
INSTRUCTIONS FOR PREPARING CSFS FORM 2070-E
REQUEST FOR RANGES/TRAINING AREAS

Outlined below are the guidelines on how to properly fill out CSFS Form 2070-E. The CSFS Form 2070-E must be filled out accurately, neatly and completely.

a. Units requesting support must provide a complete mailing address and phone number, to include DSN prefix, if appropriate.

b. Units must identify primary date(s) of their training, beginning with the arrival date of an advance party, and ending with the departure date of rear detachment.

c. Alternate training date(s) should be identified in the same manner as above, in case scheduling conflicts arise.

d. The number of personnel programmed for participation in the training should be as close to the exact number as possible. The total number should then be broken down in appropriate categories of officer (male), officer (female), enlisted (male), enlisted (female).

e. Range requirements must indicate exact range(s) requested, date(s), time(s) to be utilized, number of individuals who will be firing, and name/rank of OIC.

f. Maneuver/training area requested must indicate exact maneuver/training area(s) requested. A clear distinction must be made as to which is being requested--a MA or a TA--as they are at totally different locations. The information pertaining to date(s)/time(s) drawn, date(s)/time(s) utilized, OIC, applies as in paragraph "e". If any type of training ammunition is to be used, it must be listed in the appropriate space.

g. If any logistical requirements are needed, they must be listed in the appropriate space. An exact number of administrative buildings/billets/latrines required must be listed. Each dining facility is equipped to serve one battalion. Each administrative building is capable of sleeping 40-60 soldiers. Each hutment is capable of sleeping 12 soldiers. Each latrine will accommodate 150 soldiers. If air space is needed, it will be listed on the CSFS Form 2071-E-R, Request for Aircraft Use on Camp Bullis Training Site.

h. Individual(s) submitting the request must print his/her name, grade, and title. The individual must then sign in his/her payroll signature in the signature block and enter the appropriate date.

APPENDIX C
INSTRUCTIONS FOR PREPARING CSFS FORM 2071-E-R
REQUEST FOR AIRCRAFT USE ON CAMP BULLIS TRAINING SITE

Outlined below are the guidelines on how to properly fill out CSFS Form 2071-E-R, Request for Aircraft Use on Camp Bullis Training Site. The CSFS Form 2071-E-R must be filled out accurately, neatly, and completely. Indicate whether times given are local or Greenwich Standard Time (Zulu).

- a. Units requesting aviation support must provide a complete mailing address and phone number, to include DSN prefix, if appropriate.
- b. Indicate supporting unit's name and home station.
- c. Indicate the total number of personnel in aircrews providing air support.
- d. Indicate POC and telephone number of the supporting unit.
- e. Indicate the total number of personnel programmed for the participation in the training exercise; i.e., number of parachutist, rappelling participants, or personnel transported.
- f. Estimated time of arrival and departure must include dates.
- g. Indicate number of personnel on ground supporting flight operations; i.e., refueling or mechanical support.
- h. Indicate type of mission, i.e., support of rappelling flight parachute drop, tactical terrain flights, night operation exercise (NOE), or night vision goggle training.
 - i. Date mission is to be flown.
 - j. Time from mission beginning to end.
 - k. Remarks on any particular aspects of the requested training.
 - l. Indicate exact area(s) desired.
 - k. Indicate number of flights/air operations planned.
 - l. Unit being supported by aircraft if any.
- o. Indicate areas where aircraft will land. Provide grid coordinates if appropriate. For fixed-wing aircraft utilizing the Combat Assault Landing Strip (CALS), indicate specific landing and takeoff times. For Drop Zone (DZ) utilization, indicate time on target.
- p. Indicate other support required; i.e., crash-rescue/fire trucks, ambulance standby, etc.
- q. Individual(s) submitting the request must print his/her name, grade, and title. Individual(s) must sign their payroll signature in the signature block and enter the appropriate date.

APPENDIX D
RANGES/TRAINING AREAS/MANEUVER AREAS

1. UTILIZATION/SAFETY BRIEFING/CLEARING CHECKLIST.

a. Operation of firing range(s). Units utilizing Camp Bullis will report to Camp Bullis Operations to coordinate the use of ranges, training areas and logistical support. Units using range facilities will appoint an OIC/RSO (E-6 or above), for each range used, who will be responsible for the safe and proper use of the range. Camp Bullis Operations will clear the OIC/RSO. The OIC/RSO will appoint an assistant RSO as directed by Camp Bullis Operations.

b. Before firing, the OIC/RSO will ensure the following:

(1) The particular type of firing to be conducted is approved for that range. Ensures control of Class V.

(2) Personnel comply with the range safety requirements. The OIC ensures that ALL personnel are in accordance with AR 670-1, ear protection is worn and sleeves are rolled down prior to firing.

(3) A copy of this regulation and pertinent FMs for the weapon(s) being fired are readily available on the range.

(4) Provisions have been made for the protection and security of ammunition and weapons.

(5) The OIC is responsible for having a medic, transportation dedicated to and capable of evacuation, and aid bag on site. Units will go into a "COLD" status if medics depart the training site.

(6) A scarlet streamer is flown from the range flagpole during firing. For night firing, a red light will be used in conjunction with a scarlet streamer.

(7) Radio and/or telephone communications have been established with "Range Control" and range guards are posted and briefed as required. Units will/may be required to furnish "Range Control" with a radio/radio telephone operator. Units must maintain communications with Camp Bullis Range Control (call sign "Range Control" FM 34.20) at all times and conduct hourly communications checks. Hourly checks are preferred at the top of each hour.

(8) Personnel are briefed about the danger of duds. They will be instructed not to touch duds, but to report them to "Range Control."

(9) A last minute check is made prior to firing to ensure that no personnel are down range, by declaring three times on the microphone/loud speaker: "IS THERE ANYONE DOWN RANGE? THE RANGE IS NO LONGER CLEAR!"

(10) Clearance to fire must be granted by "Range Control," 295-7510/7790, FM 34.20, or CB OPS 2, prior to going hot.

(11) Clearance will be obtained from "Range Control" prior to moving down range on any range, due to overlapping range fans.

(12) Areas indicated by Camp Bullis Operations are off limits.

c. During firing the OIC/RSO will ensure the following:

(1) The OIC/RSO will not leave the range while it is in a "HOT" status.

(2) Radio/telephone communications are maintained with "Range Control" every hour, on the hour.

(3) No firing is directed towards roads, telephone poles or range installations.

(4) No automatic fire without prior authorization, and no automatic fire is directed against electrical targets.

(5) A cease-fire is ordered and appropriate action taken when:

(a) There is a safety violation.

(b) Communications are lost with "Range Control."

(c) A low flying aircraft is observed in the range fan.

(d) A fire is started in the impact area of the range.

(e) As directed by "Range Control."

d. After firing the OIC/RSO will ensure the following:

(1) Weapons are cleared.

(2) Ammunition and explosives are removed from individuals before departing the range.

(3) All duds are reported to "Range Control" before leaving the range.

(4) Targets on known distance ranges are pasted and refaced.

(5) Range equipment and targets are placed in shelters provided or returned to Camp Bullis Operations.

(6) A policing of the range, to include the emptying of trash cans and all related facilities, are accomplished. No MRE heaters or expended ammunition will be disposed of in dumpsters

(7) "Range Control" is notified and an inspection is requested.

(8) Range is inspected and cleared by range control personnel, facilities secured, and keys turned in to Camp Bullis Operations prior to departing Camp Bullis.

e. Other administrative/safety requirements:

(1) No POVs, unless authorized by Camp Bullis Operations.

(2) Speed Limit is 25 mph unless otherwise posted.

(3) During periods of limited visibility (dense fog), left and right range limits must be visible. The decision for commencing firing will be made by Bullis Control.

f. Smoking and eating. Smoking and eating is allowed in mess areas only.

g. Weather reports. Camp Bullis Operations will issue SEVERE WEATHER WARNINGS and WET BULB REPORTS (see Appendix G) to all units. The decision to continue/discontinue training will be made by the OIC/RSO.

h. Crash rescue. In the event of an AIRCRAFT CRASH RESCUE MISSION, unit will go COLD.

i. Medical support frequency. Additional medical support may be obtained through "Range Control," FM 34.20.

j. Physical security. All gates remain locked unless units are training in the area and have an assigned key.

k. Hours of operation.

(1) Operations: Normal duty hours: 0630-1700, Monday thru Friday. Training outside of normal duty hours, on weekends and Holidays, may be arranged thru prior coordination.

Saturday, Sunday, and holidays, a Range Control Officer is on duty.

(2) Range Control: 0630-1700, Monday thru Friday
Saturday, Sunday, and Holidays: As scheduled by the training unit.

(3) Scheduling 0715-1600, Monday thru Friday
Saturday, Sunday, and Holidays - Closed

l. Operations in training areas.

(1) Check in with "Range Control" and establish communications prior to occupying maneuver/training area.

(2) Maintain communications with "Range Control" (FM 34.20). The training unit will conduct, as a minimum, on-the-hour communications checks. If communications are lost, all training will cease until communications are re-established.

(3) Ensure safe vehicle movement.

(4) Pyrotechnics will only be used after it has been coordinated with and authorized by Camp Bullis Operations. The unit must call "Range Control" just prior to using pyrotechnics to confirm they still have permission to use it. Pyrotechnics will not be used when it could affect other training units (i.e. near roads or unit boundaries, etc.).

(5) Ensure good police of areas.

(6) Report accidents/incidents/fires, etc. immediately to Range Control. Accidents must be reported to the Camp Bullis Safety Office within 24 hours.

m. Duds. Camp Bullis, between WWI and WWII, was an Artillery Impact area. A large variety of ordnance can be found on the installation. If a dud is found, the following procedures will be followed:

- (1) Do not touch/disturb DUD munitions.
- (2) Evacuate all personnel from area (at least 500M).
- (3) Mark area with engineer tape.
- (4) Notify "Range Control," FM 34.20.

(5) If appropriate, have a guide standing by to fix location of the ordnance for EOD.

n. Wildlife. A large variety of wildlife can be found on Camp Bullis. Some of those, which are potentially dangerous, are as follows:

- (1) Rattlesnakes.
- (2) Coral snakes.
- (3) Cottonmouth snakes.
- (4) Copperhead snakes.
- (5) Black widow spiders.
- (6) Brown recluse spiders.
- (7) Scorpions.

(8) Avoid all wildlife when possible. In the event an incident does occur, seek the appropriate medical assistance immediately.

o. MEDEVAC. "Range Control" will handle all MEDEVAC requests. All units requesting a MEDEVAC will do so on FM 34.20.

p. Heat injuries. All units at Camp Bullis should have a working knowledge about preventing heat injuries. A wet bulb reading can be obtained from "Range Control," FM 34.20, or by dialing, (210) 295-7608, for an automated reading. "Range Control" will also issue warnings to all units when a new wet bulb is received. Training units should each be monitoring WBGT readings in their own areas.

q. Safety briefing. Personnel receiving the Camp Bullis safety briefing must ensure the entire unit understands and complies with all requirements of that briefing.

r. POL. Contact hours are 0745-1545, Monday thru Friday. For other than normal duty hours, call RLBC, 221-4744/ 2413.

s. Off limits and restricted areas:

- (1) Ammunition holding area.
- (2) Impact area.
- (3) Regional Training Site - Intelligence (RTS-I).
- (4) Water treatment area.
- (5) Sewage treatment plant.

(6) The gravel road between the softball field and Bullis Road, near HQ Helipad.

(7) Livestock water wells, cattle pens, archaeological sites, identified historic sites, and identified endangered species nesting areas.

t. Target devices. Electrical target devices will be removed and replaced by range maintenance personnel only.

u. Training aids. Training aids are the responsibility of the using unit.

v. Standards of conduct and appearance. Will be IAW regulatory guidance, and the standards appropriate to all U.S. military organizations.

2. RANGE SAFETY BRIEFING.

a. Frequency 34.20 (call sign "Range Control").

b. All range OIC/RSOs must read this regulation and understand the SOP for utilization of that specific range, prior to occupying ranges.

c. The OIC/RSO must be on the unit roster signed by the unit commander, and must be familiar with misfire procedures.

d. The OIC/RSO will ensure the following:

- (1) All personnel are in accordance with AR 670-1.
- (2) Hearing protection is worn at all times while on the firing line.
- (3) When weapons are in the weapons rack, all bolts will be locked to the rear.
- (4) When in the prone position, all sleeves will be down.
- (5) When on the firing line, all weapons will be pointed down range.
- (6) No smoking on the firing line (smoking in designated areas only).
- (7) At no time will anyone be authorized to go down range, unless Camp Bullis Operations grants permission.
- (8) Ammunition points will be at least 25 meters from the firing line.

(9) The OIC/RSO at no time will leave the firing range while in a HOT status.

e. The range(s) will be put on a COLD status if:

- (1) Communications are lost.
- (2) Aircraft is in the impact area below 3,000 feet.
- (3) Fire fighting is in progress in the impact area.
- (4) Personnel/animals are down range.
- (5) Unsafe act(s) are observed.

f. "Range Control" gives HOT/COLD times; OIC/RSOs will not tell "Range Control" when they are HOT/COLD.

g. Clearing procedures will be in accordance with this regulation and the Range Clearance Checklist, Appendix I, in this regulation.

h. Medics, communications, and ammunition vehicles will be at least 25 meters from the firing line. All other vehicles will be in the designated parking area.

i. Ammunition will be transported in accordance with AR 385-64, U.S. Army Explosives Safety Program, and TC 25-8, Training Ranges.

j. All units will obey speed limit/impact area signs.

k. Automatic firing will be conducted on authorized ranges only.

l. All fires will be reported immediately to "Range Control."

m. DO NOT TOUCH DUDS, report their location, to Range Control by an 8-digit grid coordinate.

n. Eating is allowed in the mess area only.

APPENDIX E
INDEX OF RANGE SUPPLIES

NSN

4240-00-691-5617
 5965-01-235-0030
 5965-01-235-0082
 No NSN
 No NSN
 6920-00-078-5123
 6920-00-906-0170
 6920-00-557-5054
 6920-00-550-9830
 No NSN
 No NSN
 No NSN
 No NSN
 8345-00-025-3355
 No NSN

NOMENCLATURE

Protector, ear, sound type
 Microphone, Electro-voice
 Speaker
 Bullhorn
 Safety paddle, red and white
 Target, MG, 10 meters
 Target, course "C", 25 meter (1,000 inch)
 Target, pistol, STD, 25 yards
 Target, pistol, STD, 50 yards
 Universal, frame, target, rifle
 Universal, frame, target, pistol
 Map, special, plain
 AMEDDC&S & FSH Regulation 350-2, CB Training
 Streamer, scarlet, range
 Flag, scoring

APPENDIX F
PROTECTION OF PERSONNEL AGAINST SEVERE WEATHER

1. GENERAL. In the event a severe weather warning is issued, Camp Bullis Operations will disseminate the warning to all training facilities.

2. LIGHTNING. The hazard of lightning, accompanied by thunderstorms, is dangerous, particularly to troops in the field. The path is generally held to be unpredictable; however, through research much has been learned about its probabilities. Lightning is affected by air current; i.e., through open doors or windows. It usually strikes the highest point, such as trees or high open ground, nearest the center of electric disturbances and is attracted to solid masses, especially metal. With these principles in mind, it is possible to formulate the following safety precautions, which will tend to reduce the danger from lightning:

a. Avoid flat open fields or bare hilltops during the thunderstorm. Crouch with hands on thighs or over ears, thus reducing the "target height" and chances of being hit. Do not place hands on the ground. Cease outdoor training if lightning is within 5 statute miles.

b. Avoid single isolated trees or poles in large open spaces; or if in woods, avoid the highest trees.

c. Avoid large masses of isolated metal in open fields, such as mounted gun, field piece, vehicle, wire fence, etc. (EXCEPTION: Seek shelter inside a metal-roofed vehicle with the windows up.)

d. If a group is unavoidably caught in a flat open space or bare hilltop, do not huddle together. Scatter, to reduce the attraction of a mass of bodies, and reduce the odds of being hurt or killed when lightning strikes.

e. Buildings will afford the best protection, particularly if grounded or if outer walls and roof surfaces are wet. Personnel in buildings should avoid standing under high chimneys, near outer walls, water pipes, and wiring.

f. Communications systems will be grounded properly and, unless tactical situation prohibits, lead-in wires to switchboards and telephones should be disconnected.

g. Do not hold conversations over telephones during severe electrical disturbances. Turn off field radios and move away from them.

h. Personnel in the field should refrain from lying underneath vehicles. The body becomes the path of an electrical charge from the truck to the ground. Get inside the vehicle if possible.

i. For prevention of injuries from lightning in maintenance activities, the following procedures and requirements will be strictly adhered to at all times when electrical storms are evident and prevailing in the immediate area where such work is to be accomplished:

(1) No person will be allowed to work on power lines, communication lines, towers, poles, or electrical devices of any type.

(2) Personnel will not perform maintenance of any type or remain in open fields, such as range target areas or any other area where a negative field exists which would attract lightning.

j. Many people hit by lightning have been saved by prompt and continued application of mouth-to-mouth resuscitation. While a full charge will kill and burn, many people who are apparently dead from lightning strikes may have received only a portion of the full charge, and are temporarily stunned and paralyzed. Prompt mouth-to-mouth resuscitation and treatment for shock may restart their breathing, and thus save their lives. The patient should be evacuated as expeditiously as possible to the Brooke Army Medical Center. Air evacuation is available by notifying "Bullis Control," FM 34.20.

k. It is recognized that the frequency of thunderstorms in the Camp Bullis area is such as to make it impracticable to apply protective measures in every detail. However, instructors or others should institute protective measures in charge of assembled groups in the event of severe thunderstorms. The final decision as to when, and if protective measures will be put into effect, must be made on the spot by the person in charge.

3. HEAT. Camp Bullis Operations will disseminate the WBGT in compliance with the provisions of AR 40-5, Preventive Medicine. The WBGT can also be obtained by dialing (210) 295-7608 for an automated reading.

4. COLD INJURY PREVENTION. Prevention of cold injury is a command responsibility. Proper use of preventive measures will markedly reduce the incidence of cold injury. Dissemination of daily official weather forecast of wind and temperature during the cold season will assist unit commanders in planning daily operations. The wind chill chart in TB MED 81, Cold Injury (NAVMED P-5052-29/AFP 161-111), is important in evaluating weather information.

**APPENDIX G
PREVENTION OF HEAT INJURY**

1. POCs:

- a. Preventive Medicine Activity, Brooke Army Medical Center (BAMC): 295-2500/2311.
- b. Reference FSH Reg 40-6, Prevention of Heat Injury.
- c. For current Wet Bulb Globe Temperature (WBGT) Information Call:
 - (1) Camp Bullis (automated reading): 295-7608
 - (2) BAMC: 295-2445

2. GUIDELINES FOR PHYSICAL ACTIVITY:

- a. Category 1, or White (WBGT Index: 78° - 81.9° F): Extremely intense physical exertion may precipitate heat exhaustion or heat stroke; therefore, caution should be taken.
- b. Category 2, or Green (WBGT Index: 82° - 84.9° F): Discretion should be used in planning heavy exercise for unseasoned personnel.
- c. Category 3, or Yellow (WBGT Index: 85° - 87.9° F): Strenuous exercise, such as marching at standard cadence should be suspended in unseasoned personnel during their first three weeks of training. At this temperature training activities may be continued on a reduced scale after the second week of training. Outdoor classes in the sun should be avoided when the WBGT exceeds 85° F.
- d. Category 4, or Red (WBGT Index: 88° - 89.9° F): Strenuous exercise should be curtailed for all recruits and other trainees with less than 12 weeks training in hot weather. Hardened personnel, after having been acclimatized each season, can carry on limited activity for periods not exceeding 6 hours a day.
- e. Category 5, or Black (WBGT Index: 90° F and above): Physical training and strenuous exercise should be suspended FOR ALL PERSONNEL (excluding essential operational commitments not for training purposes, where the risk of heat casualties may be warranted).
- f. Officers and NCOs supervising physical activities should be familiar with guidelines outlined in the TB MED 507, Prevention Treatment, and Control of Heat Injury (NAVMED P-5052-5/AFP 160-1).
- g. The WBGT Index and related categories are excellent guides for planning activities; however, heat injuries may occur to individuals with certain medical problems at WBGT temperature of 75° F and lower. On-site assessments must be made. Ensure adequate water and dietary intake.
- h. Approximately 2 weeks with progressive degrees of heat exposure and physical exertion should be allowed for substantial acclimatization.

i. When possible, physical activities should be planned during the coolest time of the day (early morning or late evening). The activities should be limited in intensity and time for unseasoned personnel.

j. Wearing of body armor or NBC warfare protective uniforms in effect adds 10° F to the measured WBGT. Appropriate precautions should be taken and adjustments made accordingly.

3. RECOGNITION OF HEAT INJURY:

a. Heat cramps:

(1) Symptoms: Active sweating, muscle cramps.

(2) Treatment: Remove to cool area. Massage extremities. Contact medical facility.

b. Heat exhaustion.

(1) Symptoms: Profuse sweating, headache, nausea, tingling extremities, weakness, vomiting, skin cool and moist, and rapid pulse.

(2) Treatment: Remove to cool area. Elevate feet. Evacuate to medical facility.

c. Heatstroke:

(1) Symptoms: High body temperature, unconsciousness, convulsions, delirium, skin hot, dry and flushed.

(2) Treatment: Lower body temperature immediately. Remove clothing, immerse in water, if available, otherwise sprinkle with water and fan to increase evaporation. Elevate feet. Massage extremities and trunk. Remove to medical facility ASAP. Continue cooling measures during transportation.

APPENDIX H
MAPS

Camp Bullis Cantonment Area and
Maneuver/Training/Range Areas

**APPENDIX I
RANGE CLEARANCE CHECKLIST**

The following checklist will be used to clear each range. Checklist will be attached to the daily log.

	YES	NO	N/A
1. Have covers been placed on foxholes after inspection?	—	—	—
2. Have sandbags been stacked on top of foxhole covers?	—	—	—
3. Have all targets been moved from silhouettes?	—	—	—
4. Have all used silhouettes been placed in the dumpster?	—	—	—
5. Have all target frames been lined up?	—	—	—
6. Has a good police call been conducted? (e.g., firing line, foxholes, latrine, bleachers, tower, mess area, target house, etc.)	—	—	—
7. Have buildings been swept?	—	—	—
8. Is all equipment in place?	—	—	—
9. Has all power been turned off?	—	—	—
10. Are all windows locked?	—	—	—
11. Are any work orders required for this range?	—	—	—
12. Have all garbage cans been emptied in the dumpster?	—	—	—
13. Has unit filled required amount of sandbags?	—	—	—
14. Do any frames need replacing?	—	—	—
15. Is training area free of:			
a. Barbed wire or concertina wire?	—	—	—
b. Brass?	—	—	—
c. Trash?	—	—	—
d. Communication wire?	—	—	—
e. Any items that the unit was using for training?	—	—	—

REMARKS:

Unit will ensure this checklist is signed by the Range Inspector prior to clearing the range. Failure to do so will result in your delay in clearing Camp Bullis. A copy of this checklist may be obtained at Building 6110, Camp Bullis Operations, upon request.

RANGE WAS INSPECTED AND CLEARED BY:

(Signature of Inspector)

**APPENDIX J
CAMP BULLIS CHECKLIST FOR AIRBORNE/
COMBAT ASSAULT LANDING STRIP (CAL) OPERATIONS**

CAMP BULLIS CHECKLIST FOR AIRBORNE/CALS OPERATIONS			
<p>This checklist will be used by the Operations Section (Camp Bullis) in the planning of parachute operations and aircraft landings at the Combat Assault Landing Strip (CAL). Only items 1 and 2 need be initiated by the unit.</p>			
	DATE	INITIALS	REMARKS
1. Schedule DZ/CALS w/CSFS Form 2070-E.			
2. Schedule Air Space w/CSFS Form 2071-E-R.			
3. Send SOP to: a. UNIT. b. A/C Commander. c. CCT (if required).			
4. Post NOTAM FSS San Angelo 800-433-8102 (48 hrs prior): a. Type Activity/AC. b. Time (local). c. ALT (2500' MSL & Below).			
5. Notify FAA: Plans and Procedures 824-0945 (48 hrs prior): a. Parachute Operations. b. CALS. c. Major Air Exercises (7 days prior).			
6. Brief Pilots - Telephonically: a. Communications w/"Range Control." b. Left-hand pattern only. c. 20 Magnetic Heading from Kelly VOR (DZ Hall Approach). d. No Fly Areas (Stanley 2000m West/Impact Area 500m East).			

AIRBORNE/CALS CHECKLIST (Page 2)

	DATE	INT	REMARKS
<p>9. Brief DZSO/DZSTL:</p> <ul style="list-style-type: none"> a. Memorandum from Commander appointing DZSO/DZSTL. b. Read and comply w/SOP. c. Read and comply w/Range Control Checklist. d. SA Intl Airspace. e. Private aircraft in A/O. f. Issue hand-held radio. g. Road Guards. h. Training Gate (hours/keys). i. No POVs on DZ. j. Night vision goggles. k. Maintain communications w/ "Range Control." m. Notify "Range Control:" <ul style="list-style-type: none"> (1) DZ open (1 hour prior to operation). (2) Injuries. (3) Incidents. (4) All personnel accounted for. 			
<p>10. Other affected Units:</p> <ul style="list-style-type: none"> a. Notified of date/time of Airborne Operations. b. Briefed on closure of Malabang Rd/Alt routes. 			
<p>11. CALS (CCT):</p> <ul style="list-style-type: none"> a. Tower-keys. b. Training Gate (hours/keys.) c. Line check w/SA Tower (RC 48 hrs prior). d. No POVs. e. Crash Rescue (30 prior). f. Private Aircraft in A/O. g. Left-hand pattern only. h. Wet runway. i. Night Operations: <ul style="list-style-type: none"> (1) Beacons/lighting. (2) Cattle. 			

APPENDIX K

Preventive Medicine Service
Field Site Inspection Checklist

UNIT:		LOCATION:
INSPECTOR:		UNIT REP:
DATE/TIME:		OVERALL RATING: Green Amber Red
Criteria:	Standard:	Assessment:
Water Supply 400 gal trailer and/or other water containers. 1. Chlorine Residual	Water supply is approved by Preventive Medicine. Chlorinated to 1.0mg/L FAC, and coliform free. A copy of DA Form 5457-R is on hand for the 400 gal water trailer. A water chlorination kit is available.	Green- Site meets standard Amber- No Chlorine residual and/or total coliform positive. Must be fecal coliform negative. No DA Form 5457-R available Readings not recorded(min 3/day) Red- Fecal coliform positive regardless of chlorine residual in the water. No Chlorination Kit available.
Troop Living/Sleeping Area	Each soldier has at least 55 sq ft of living space to prevent the spread of respiratory diseases	Green- Living areas meet standard Amber- 40-54 sq ft living space / soldier. Red- Less than 40 sq ft living space.
Arthropods Tick and rodent control	No troops affected by Ticks. Troops using proper PPM (repellents, uniform) No piles of trash or rubbish within 200 m of LSA.	Green- Area meets standard Amber- No repellent available. <1% of troops affected by ticks/month. Rubbish piles inside LSA. No rats or mice seen in area. Red- >1% of troops affected by ticks. Rats or mice observed in LSA.
Climactic PPM	Proper utilization of Heat and Cold injury PPM	Green- Area meets standard Amber- <1% of soldiers affected by heat/cold injury. Red- >1% of soldiers affected by heat/cold injury.
Hand Washing Station	Proper utilization of hand washing facilities	Green- Properly constructed Amber- No soakage pit/Supplies missing/Not utilized (before handling food, ect.) Red- No station available
Field Sanitation Team	Two trained soldiers per company	Green- Two /company Amber- One /company Red- No trained personnel
Signature of Inspector:		Signature of Receiver:

APPENDIX L
CUSTOMER RANGE INSPECTION CHECKLIST

APPENDIX M
TRAINING FACILITY AND EQUIPMENT REGISTER

**DEPARTMENT OF THE ARMY
HEADQUARTERS, CAMP BULLIS TRAINING SITE
RR 2, BUILDING 5000
SAN ANTONIO, TX 78257**

TRAINING FACILITY AND EQUIPMENT REGISTER

(For use of this form see AMEDDC&S FSH Reg 350-2; the proponent is MCCS-BCB)

RANGE CARD EXP. DATE: _____ LAST FOUR: _____

RANGE/MA/TA(S): _____ DATE: _____

OIC/NCOIC GRADE/NAME: _____

UNIT/ORGANIZATION: _____ UNIT PHONE: _____

NUMBER OF PERSONNEL: _____ TYPE OF TRAINING: _____

TYPE OF WEAPON: (M16) (M60) (M203) (M9) OTHER: _____

TYPE OF AMMO: (5.56) (7.62) (40MM) (9MM) OTHER: _____

TYPE OF PYROTECHNICS: (SMOKE) (GRENADE SIMULATOR)
(STAR CLUSTER) OTHERS: _____

EQUIPMENT ISSUED FROM RANGE CONTROL:

RANGE BOOK: _____ FLAG: _____ KEY: _____ SAFETY PADDLES _____

BULLHORN: _____ SERIAL # 472GSS _____

I have received a safety briefing from Range Control. I will read and comply with the provisions set forth in the Range Control Operations, AMEDDC&S FSH Reg 350-2, and the appropriate field manuals governing the weapons and ammunition to be utilized. I understand it is my responsibility to pre-inspect all ranges/maneuver areas prior to signing for them. I also understand that I am responsible for the reporting to Range Control, any deficiencies that may exist prior to accepting the range for training. Failure to report any deficiencies will become my responsibility to correct, before I can clear the range.

SIGNATURE (GRADE/OIC/NCOIC): _____

RANGE CONTROL USE ONLY

HOT TIME: _____ COLD TIME: _____

REQUESTED DATE AND TIME OF CLEARING: _____

DATE AND TIME OF CLEARING: _____

CLEARED BY: _____

(RANGE CONTROL)

CSFS FORM 62-E-R, MAR 2001 PREVIOUS EDITIONS ARE OBSOLETE



DEPARTMENT OF THE ARMY
HEADQUARTERS, CAMP BULLIS TRAINING SITE
RR 2, BUILDING 5000
SAN ANTONIO, TX 78257



MCCS-BCB

17 July 2003

MEMORANDUM FOR ALL THOSE CONCERNED

SUBJECT: Policy Memorandum No. 13 – Ammunition/Hazardous Waste Disposal

1. The disposal of any ammunition or hazardous material on Camp Bullis is strictly prohibited and punishable under the law. IAW FSH 350-2, all commanders and users of Camp Bullis facilities will comply with the provisions outlined in paragraph 2-10, AR 385-63.
2. All Commanders, OICs, Range Safeties, or Civilian Personnel utilizing ranges will ensure the following:
 - a. Ensure proper disposal of unused ammunition (live or blank) and residue. Unused ammunition/residue will be returned to the issuing facility. Civilian organizations will dispose of all unused ammunition and residue off Camp Bullis and at proper facilities. In no case will any type of ammo be left unattended; be left in a maneuver/training area or on a range; be placed in a dumpster, or be left anywhere on Camp Bullis. Improper ammunition disposal is a serious offense and will be treated as such;
 - b. Conduct a 100 percent accountability inspection of all ammunition after firing. At completion of firing OICs will report type of weapon/ammunition (by lot number) and any pyrotechnics being used to Range Control;
 - c. Separate live ammunition from expended rounds and remove expended brass and all packaging materials;
 - d. Separate misfires from unused ammunition, and brass, and turn in through appropriate supply channels;
 - e. Utilize a DA Form 581, Request for Issue and Turn-In of Ammunition, for turn-in of excess, expended ammunition;
 - f. Utilize a separate DA Form 581 for turn-in of brass collected after completion of firing;
 - g. Account for Munitions sub-hand receipted to range personnel on DA Form 5515, Training Ammunition Control Document.

MCCS-BCB

SUBJECT: Policy Memorandum No. 13 – Ammunition/Hazardous Waste Disposal.

3. All Commanders, OICs, Range Safeties, or Civilian Personnel utilizing ranges, facilities, training or maneuver areas will ensure the following:

a. Each flameless ration heaters will be used for its intended purpose.

b. Used MRE heating elements will be bagged in clear plastic bags. The bags will be labeled with the following information:

- (1) Date of disposal
- (2) Unit and Commanding Officers Name
- (3) Unit POC and telephone number

c. Turn in of used MRE heaters can be arranged through Ms. Colin Neely (295-7873) or after hours and weekends through Range Control 295-7510. Bags will not be left without notifying one of the above.

Random inspections will be conducted of bags for compliance purposes. Discrepancies will be reported to the unit commander along with the POC's name. In no case will unused heaters be left in a maneuver/training area or a range; be improperly placed in a dumpster, or be left anywhere on Camp Bullis.

Improper hazardous waste disposal is a serious offense and will be treated as such.

4. POC is undersigned at 295-7508.

JIMMIE O. KEENAN
LTC, AN
Commanding



DEPARTMENT OF THE ARMY
HEADQUARTERS, CAMP BULLIS TRAINING SITE
RR 2, BUILDING 5000
SAN ANTONIO, TX 78257



MCCS-BCB

19 March 2004

MEMORANDUM FOR ALL THOSE CONCERNED PERSONNEL

SUBJECT: POV Access to Maneuver/Training Areas at Camp Bullis (SOP No. 13)

1. PURPOSE: Establish POV procedures for personnel visiting or assigned duties at Camp Bullis.

2. GENERAL:

a. The operation of a POV in the training areas of Camp Bullis is a limited privilege extended by the Bullis Commander. Failure to comply with state laws and regulations may result in a suspension or revocation of driving privileges or termination of registration. The registrant must remove the Camp Bullis decal from the registered vehicle upon Permanent Change of Station (PCS), termination of employment, or sale of POV.

b. Authority: 10 U.S.C. 8012 and 44 U.S.C 3101 required visitors on Camp Bullis and personnel driving a POV in the training areas to comply with: traffic laws and regulations of Camp Bullis, these include but are not limited to, maintaining a valid drivers license, a valid state registration, a valid safety inspection and evidence of continuing compliance with minimum insurance laws or regulations of the State of Texas.

c. Individuals entering upon this installation are liable to search of person and vehicle pursuant to federal law.

d. Issue of a Camp Bullis decal for the operation of a POV in the training areas of Camp Bullis will be restricted and limited. IAW FSH Reg 350-2, tactical vehicles will be utilized in training areas. POV's will not be allowed without the approval of the Bullis Commander.

e. Due to the non-availability of tactical vehicles, Commanders/Organization Leaders will submit to the Bullis Commander a by name roster of all personnel that have a frequent, recurring duty requirement to enter the training areas of Camp Bullis in a POV. The Commander of Bullis will approve or disapprove the request.

f. Vehicle registration is per DA Form 3826.

MCCS-BCB

SUBJECT: POV Access to Maneuver/Training Areas at Camp Bullis

g. Units conducting limited training throughout the year may submit a memorandum to the Commander of Camp Bullis requesting prefilled out temporary passes. Units will fax a memorandum showing the soldier's name, rank, POV make, model, color, license plate number, and list the destination within the Ma/Tas the soldier needs access to.

3. AMEDDC&S Personnel:

a. When entering the training areas of Camp Bullis with a POV decal, AMEDDC& S personnel must be in duty uniform and must be conducting official business on Camp Bullis. The training that POV's can access will be **LIMITED TO** the Intermediate Staging Base (ISB), the Rappel Tower, Leadership Reaction Course, Deployable Medical Systems Equipment Training (DEMSET), Camp Posey, and to firing ranges Alpha through Foxtrot.

b. POV's are not allowed in maneuver/training areas or firing ranges not identified in a 3a above. Vehicles in maneuver or training areas not identified in 3a above will have their vehicle towed and cited.

c. Any vehicle without a decal in maneuver or training areas will have their vehicle towed and cited.

4. Outdoor Recreation Center Hunters

a. Individuals hunting on Camp Bullis are issued a decal when they purchase their Camp Bullis Hunting Permit.

b. A hunter's decal allows POV access to the Outdoor Recreation Center (ORC) and to ranges Alpha through Foxtrot **ONLY**.

c. Hunter's are issued a Hunting Temporary Pass (Blue or Yellow) at the ORC. The pass allows hunters to travel to only specific areas identified on the pass.

d. Any vehicle with a Hunter Decal found in a maneuver or training area without a current temporary (Blue or Yellow) pass will have their vehicle towed and cited.

5. Contractors

a. Contractors are defined as individuals working on Camp Bullis for a period longer than 6 months.

b. Contractors are only allowed in areas where work is needed.

6. Civilian Law Enforcement Organizations (CLEO) and Other Request for POV Passes

MCCS-BCB

SUBJECT: POV Access to Maneuver/Training Areas at Camp Bullis (SOP No. 13)

- a. Individuals that fall under the CLEO Act will stop at Building 6110 and sign for a temporary pass for their vehicles.
- b. Limited temporary passes will be issued. Therefore large groups of individuals will car-pool.
- c. Vehicles without official government plates, driven by special agents or officers, are not considered government vehicles. (This includes rental vehicles and confiscated vehicles used for undercover work).
- d. Daily Temporary Passes are issued at Building 6110. The temporary pass allows individuals to travel to only specific areas identified on the temporary pass.
- e. Any vehicle in a maneuver or training area without a current temporary pass will have their vehicle towed and cited.

JIMMIE O. KEENAN
LTC, AN
Commanding



DEPARTMENT OF THE ARMY
HEADQUARTERS, CAMP BULLIS TRAINING SITE
RR 2, BUILDING 5000
SAN ANTONIO, TX 78257



MCCS-BCB

13 February 2004

MEMORANDUM OF UNDERSTANDING

SUBJECT: POV Access to Maneuver / Training Areas at Camp Bullis

1. I understand that by signing for the Camp Bullis Decal that I must maintain a valid drivers license, a valid state registration, a valid safety inspection, and evidence of continuing compliance with minimum insurance laws or regulations of the State of Texas.
2. I have a valid Department of Defense Decal from the Provost Marshal's Office.
3. I am liable to search of person and vehicle pursuant to federal law.
4. I must be in duty uniform and must be conducting official business on Camp Bullis.
5. I understand that I am **LIMITED TO** the Intermediate Staging Base (ISB), Soldier Medic Training Site, the Rappel Tower, Leadership Reaction Course, DEMSET, Camp Posey and to firing ranges Alpha through Foxtrot.
 - a. POVs are not allowed in maneuver/training areas not identified above.
 - b. If my vehicle is in maneuver or training areas not identified above I understand it will be towed and cited.

Name: _____

Rank: _____

Organization: _____

Signature: _____



DEPARTMENT OF THE ARMY
HEADQUARTERS UNITED STATES ARMY TRAINING AND DOCTRINE COMMAND
102 MCNAIR DRIVE
FORT MONROE VIRGINIA 23651-1047



ATTG-IS (350)

13 December 1999

MEMORANDUM FOR

Commanders, TRADOC Installations
Commanders, U. S. Army Training Centers
Commandants, TRADOC Service Schools

SUBJECT: TRADOC Medical Support to Training Policy

1. Implement subject policy immediately. Subject policy will be promulgated in the TRs 350-70, 350-6, 351-18, and 351-10. The extract that will appear in the capstone reference, TR 350-70, is enclosed. The policy provides for a two-layered approach to medical support resources to ensure the safety of our soldiers at all times.
2. The focus of this policy is medical support to trauma victims. Medical support for health and well-being, normally provided at installations and activities, is not included in this policy.
3. This policy specifies the minimum essential medical support required for all training activities from the classroom to the field firing range. The base level support, Advanced Trauma Life Support (ATLS) services, must be available for all training activities. ATLS arrangements are to be capable of responding to an incident providing the necessary interim support, transportation, and definitive clinical treatment within 1 hour. Definitive clinical treatment for ATLS is defined as the provision of trauma care by either a physician or a physician's assistant.
4. Activities classified as high-risk require additional medical support to complement the ATLS capability. The enclosed matrix lists the training activities identified as high or extremely high risk and shows the minimum additional support required for those activities.
5. To provide installation commanders and commandants a degree of flexibility in allocating resources and the programming of training, levels of medical support for each activity are to be based upon a risk assessment and METT-T analysis. Where installation commanders and commandants consider it necessary to provide a higher than minimum level of medical support to any activity, they may do so at their own discretion. When a particular risk assessment indicates a lower level of support than the minimum required by subject policy, installation commanders and commandants may authorize the appropriate lower level of support with the concurrence of the commander of the installation's Medical Treatment Facility. When a decision is taken to lower the level of medical support below the minimum required by subject policy for any particular training activity, TRADOC Safety Office must be informed.

ATTG-IS

SUBJECT: TRADOC Medical Support to Training Policy

6. Installation commanders and school commandants will assess and certify the adequacy of medical support to training at least annually. This responsibility is not delegable. Installation commanders and school commandants conducting high-risk training shall rehearse their medical support (casualty response, evacuation, and treatment) plan at least annually, focused on responding to a training catastrophe.

7. Subject policy is designed to save soldiers' lives whenever they commit themselves to realistic and challenging training. It provides an investment in trust, with all soldiers that the Army will look after its own when they face the inherent risks of their daily work.

ORIGINAL SIGNED

Encl

JOHN N. ABRAMS
General, U. S. Army
Commanding

CF:
CDR, USAMEDCOM (w/encl)

AMEDDC&S & FSH Reg 350-2

APPENDIX R

APPENDIX R

APPENDIX R

APPENDIX R

R-1

R-2

R-3

R-4

R-5

R-6

R-7

CHAPTER 1
GENERAL

1-1. HISTORY. This revised publication supersedes FSH Reg 350-2, 1 Mar 01. Because the publication has been extensively revised, the changed portions have not been highlighted.

1-2. PURPOSE. The purpose of this regulation is to establish policies and procedures for the use of ranges, training/maneuver areas, and support facilities at the Camp Bullis Training Site.

1-3. APPLICABILITY. This regulation applies to the U.S. Army Medical Department Center and School (AMEDDC&S) and Fort Sam Houston (FSH), to all subordinate elements thereof, its tenant agencies, commands and other military services, all reserve and national guard units, federal, state and local agencies, and civilian organizations/groups using the resources of Camp Bullis for any and all activities, actions, and/or projects. Failure to comply with the criteria set forth in this regulation may result in suspension or revocation of access to the installation's training lands and their resources.

1-4. REFERENCES. Required publications and forms are outlined in Appendix A.

1-5. GENERAL. As a sub-installation of the AMEDDC&S and FSH, Texas, Camp Bullis provides ranges, training and maneuver areas, air space, billeting, facilities, and the necessary installation support to active and reserve component (RC) units of all services, and other authorized federal, state, and local government activities. Camp Bullis primarily serves as the field training installation in support of all military activities in the South Texas area, and provides the field-training environment in support of the curriculum of the AMEDDC&S & FSH, and the U.S. Air Force Ground Combat Skills School.

1-6. RESPONSIBILITIES.

a. Headquarters, Camp Bullis:

(1) Commands, operates, manages, and administers resources in support of the missions of assigned, attached, and using personnel, units, and tenant activities.

(2) As a sub-installation of Headquarters, U.S. Army Garrison (USAG), FSH, provides base operations, and other installation level support to Department of the Army (DA), Department of Defense (DOD), and other authorized government activities which are users of, tenants on, or are supported by Camp Bullis.

(3) Repairs, maintains, improves, and prepares new range planning in coordination with the Readiness & Logistics Business Center (RLBC), and the Public Works Business Center (PWBC), who are responsible for real property repair, maintenance, improvements, and construction.

(4) Coordinates and prepares to expand sub-installation functions to support mobilizing RC units, in accordance with (IAW) FSH Reg 500-5, FSH Mobilization and Deployment Improvement Plan (FSHMDIP).

- (5) Expands sub-installation facilities and capabilities to support training base expansion and activation of new units, IAW the (FSHMDIP).

(6) Participates in the overall management of the training lands, their resources and the supporting entities thereof, through the Integrated Training Area Management (ITAM), environmental, natural, and cultural resources management programs. Responsible for ensuring that all personnel, military, civilian and/or contractors, units, and organizations using Camp Bullis for any and all activities, actions and/or projects, conduct such activities in full compliance with all applicable statutes, regulations, policies, guidance, and program criteria.

(7) Preserves law and order, and provides physical security through assets provided by the Directorate of Public Safety (DPS), FSH.

b. The Operations Division, Camp Bullis, supervises and coordinates the activities of the operations, range control, range maintenance, grounds maintenance, and supply section.

(1) Operations Section:

(a) Supervises the operation and coordination for the use of all ranges, maneuver areas, training areas, air space, and logistical facilities.

(b) Recommends priorities for the maintenance of ranges and equipment.

(c) Coordinates with other staff agencies for required support.

(d) Controls radio communications, warning systems, access control mechanisms, and procedures.

(e) Conducts range certification briefings to include ITAM data. Units/organizations using Camp Bullis ranges or maneuver areas must have someone certified on Environmental Protection and ITAM.

(2) The Range Control Section, supervises, controls, and provides limited maintenance of ranges/training/maneuver areas.

(3) The Range Maintenance Section, repairs and maintains all Camp Bullis training support resources with primary emphasis on ranges.

(4) Grounds Maintenance Section:

(a) Maintains all common areas within the cantonment area, and all range and training areas within the installation.

(b) Maintains all roadway shoulders within the installation.

(5) The Supply Section controls, issues, and clears all Camp Bullis logistical/administrative resources in support of unit training. Also, ensures the efficient, and timely procurement of all materials required in support of the Camp Bullis mission.

c. Natural Resources/ITAM Office:

- (1) Supervises, directs, monitors, and budgets the ITAM program and all integrated land and natural/cultural resources management actions, activities and/or projects at Camp Bullis, to sustain these resources in support of current and future training mission requirements.
- (2) Advises the Commander, Camp Bullis, on environmental considerations as they pertain to military training.
- (3) Performs an environmental review of requested training and outdoor recreation activities.
- (4) Monitors units while training in the field, to ensure safety and protection of archaeological, historical, cultural, and biological resources.
- (5) Manages the Tactical Concealment Area Program (TCA) and coordinates with other federal agencies for required environmental support.
- (6) Maintains an ongoing program for cedar eradication to expand available training areas.

d. The Engineering Division, PWBC:

- (1) Repairs and maintains all roadways within the installation.
- (2) Repairs and maintains all PWBC real property.

e. Training Unit Commanders:

- (1) Commanders will ensure compliance with all of this regulation. Particular emphasis is placed on the policies and procedures in Chapter 2 (Operations and Training), Chapter 4 (Medical Support), and Chapter 5 (Police, Sanitation, and Environmental Protection Requirements), and Chapter 6 (Safety).
- (2) Commanders or their designated representatives must attend a coordination meeting with the Range Control prior to using any training area and/or range.
- (3) Personnel signing for ranges will attend a safety briefing and be issued a Certification Card as Range Safety Officer, prior to signing for the range. Range Safety Officers (RSOs) must be in the grade of E-6 (SSG) and above and/or Civilian personnel must be of equal pay grade. Briefing/certification can be accomplished at Camp Bullis Operations, 0930-1330, Monday through Friday. Saturday by appointment only.
- (4) Commanders will establish communications with "Range Control" through frequency modulator (FM) 34.20. Communications will be maintained at all times, with a minimum of on-the-hour communications checks while occupying a range/maneuver/training area. If communications are lost, the unit will stop training immediately and notify Camp Bullis Operations of the communications problem. Training will not resume until communications are re-established. Units failing to establish and maintain communications with "Range Control," will be subject to having their training canceled, and moved off their scheduled range/maneuver/training area. The unit is responsible

for providing necessary radios and telephones for communications.

(5) Commanders will ensure the policing of all ranges/maneuver/training areas and latrines used by their unit, to include the filling of foxholes or other field fortifications constructed by their units, and the removing of all wire obstacles. Additionally, units may be assigned other police responsibilities, such as along roads, etc. Units must have their assigned area of police responsibility inspected, and cleared by Range Control, prior to departure from the reservation, or prior to the termination of scheduled activities.

(6) In addition to the safety briefing conducted at Range Control, commanders or their designated representatives, will brief their Safety Officers (SOs)/Non-Commissioned Officers (NCOs), Officers in Charge (OICs), and Drop Zone Safety Officers (DZSOs), on their specific responsibilities prior to firing on any range or conducting airborne/air assault operations on a Drop Zone (DZ), river crossing, rappelling site, etc.

(7) Prior to firing on any mortar firing point, Commanders will furnish Camp Bullis Operations, a complete list of all personnel who have successfully completed a safety certification test. The unit commander must sign the certification roster.

(8) Commanders will provide or coordinate medical support for their training (paragraph 4-1).

(9) Commanders must ensure that all weapons are cleared prior to leaving the range, and inspect all personnel to determine that no ammunition remains in their possession after completing firing. Units are responsible for the proper disposal of unused ammunition (live or blank) and residue. Unused ammunition/residue will be returned to the issuing facility. In no case will it be left unattended; be left in a maneuver/training area or on a range; be placed in a dumpster, or be left anywhere on Camp Bullis. Improper ammunition disposal is a serious offense and will be treated as such.

(10) Commanders will secure all unit equipment. Particular attention will be placed on weapons and munitions. As a minimum, the requirements of AR 190-11, Physical Security of Arms, Ammunition, and Explosives, will be met. Upon arrival at Camp Bullis, unit commanders will submit a roster to Camp Bullis Operations that lists Officers in Charge/Safety Officers (OICs/SOs) and the types of ranges they are authorized to operate. In accordance with paragraph 4-3c, AR 385-63, Policies and Procedures for Firing Ammunition for Training, Target Practice, and Combat, civilians may also act as OICs or RSOs.

f. Officer-In-Charge: The OIC of a training activity is the SO for that activity, and is responsible for safe operations, and the safety of all personnel participating in the training. Range OICs will report to Camp Bullis Operations at least 1 hour prior to scheduled firing to receive a range safety briefing.

(1) Officers, Warrant Officers, and Non-Commissioned Officers (NCOs) (E7 through E9) may function as range OICs.

(2) A range OIC may sign for more than one range at a time; however, the range OIC must be present on a range, and must be supervising activities when firing is taking place. Concurrent firing on multiple ranges under the

supervision of one range OIC is prohibited. When signing for a range, the OIC will sign for the range safety book, range streamers, and flashing red lights (if applicable).

(3) Ranges/training/maneuver areas may be signed for in advance of the scheduled use, as long as it does not conflict with other units using that training resource.

(4) The OIC will establish communications with "Range Control," for maneuver/training areas, then obtain clearance to fire or to occupy training area. The following information is required when initially requesting clearance to begin training:

- (a) Range number/training area number.
- (b) Using unit designation, name, identification, etc.
- (c) OIC/RSO and name of person making request.
- (d) Type of weapon/ammunition (by lot number)/pyrotechnics being used.
- (e) If applicable, a statement that communicates with guards have been established.
- (f) Number of personnel on the range.

(5) The OIC will be present during all firing, and have a thorough knowledge of what firing or training is being conducted on the ranges or training areas.

(6) The OIC will comply with the applicable provisions of AR 385-63, Policies and Procedures for Firing Ammunition for Training, Target Practice, and Combat, and this regulation. The range book and applicable publications for the weapons used must be present at the range location.

1-7. LOCATION AND GEOGRAPHIC CONFIGURATION. Camp Bullis contains approximately 27,994 acres, and is located in northwest Bexar County, 18 miles from downtown San Antonio and 22 miles from FSH. It is situated 2 miles north of the junction of Farm Road 1604 (Charles W. Anderson Loop) and Farm Road 1535 (Northwest Military Highway), and 1 mile northeast of the Camp Bullis exit on IH 10 West.

1-8. AUTHORIZED RESERVATION ENTRANCES AND EXITS. Units utilizing Camp Bullis will use the Military Highway or Camp Bullis road entrances/exits when entering or departing the reservation by road. Units arriving/departing by helicopter will clear movement through the Operations Section (see paragraph 7-1b for call sign/frequency). Entry gates to the training areas will be manned 24 hours a day. Camp Bullis Operations controls access.

**CHAPTER 2
OPERATIONS AND TRAINING**

2-1. GENERAL.

a. Camp Bullis Operations is responsible for all training support requests, and manages the daily control of training/maneuver area operations at Camp Bullis. Training units will coordinate/schedule for the use of all range/training/maneuver areas, airspace and logistical support. Camp Bullis Operations is located in building 6110, 210-295-7510/7790 (Defense Switched Network (DSN) 421-7510.)

b. Camp Bullis Operations is responsible for all firing range activities and maneuver/training area oversight. Training units utilizing firing range(s) will coordinate all range support requirements with Camp Bullis Operations.

c. Target requirements will be coordinated with Camp Bullis Operations. The hours of operation are as follows:

Operations Section, normal duty hours:

0730 - 1630 Monday thru Friday. Training outside of normal duty hours, on weekends, and holidays may be arranged through prior coordination.

Saturday, Sunday, and Holiday. A Range Control Officer is on duty in "Range Control". Additional support for range operations must be prior coordinated during normal duty hours.

2-2. OPERATION OF MANEUVER/TRAINING AREA(S). Training and field exercises will be conducted in such a manner that adverse effects on the environment are minimized (see AR 200-1, Environmental Protection and Enhancement and AR 200-2, Environmental Effects of Army Actions). Each unit using the training area(s) will designate an OIC to be responsible for the conducting of training, safety, medical support, and the proper use of the area.

a. Before use of assigned area(s), the OIC will ensure the following:

(1) The OIC and key leaders are familiar with all provisions of this regulation, especially policies and procedures in Chapter 2 (Operations and Training), Chapter 4 (Medical Support), Chapter 5 (Police, Sanitation, and Environmental Protection Requirements), and Chapter 6 (Safety). A copy of this regulation and maneuver area maps will be immediately available.

(2) Maneuver area(s) are approved for training and have been signed for by the unit.

(3) Personnel are briefed on the limits of the maneuver area(s), restrictions within the area(s), and the limits of the range impact area.

(4) Personnel are briefed on the danger of dud ordnance. They will be informed not to touch duds, but to clearly mark and report their location to "Range Control" by use of an 8-digit grid coordinate.

(5) Radio communications are established with Camp Bullis Operations, (FM 34.20, call sign "Range Control") for the use of maneuver/training areas and ranges. Permission must be granted prior to entry of training

area/range. When requesting permission to enter a maneuver/training area the following information will be provided:

- (a) Maneuver/training area(s) to be used.
- (b) Grade and initials of OIC and person calling for clearance.
- (c) Call sign of unit.

b. During use of assigned maneuver/training area(s), the OIC will ensure the following:

(1) Communications are maintained with "Range Control" (FM 34.20). On-the-hour radio checks are required. Units failing to maintain communications may have their training suspended.

(2) Their unit remains within the limits of the assigned training area(s).

(3) No damage is done to buildings, structures, fences, and telephone poles or lines.

(4) No POVs are allowed in training area(s) without an approved POV vehicle pass from the Range Control.

(5) In the event of an accident/incident, immediately notify "Range Control;" then take necessary action to report accident/incident through normal command channels.

(6) Open burning or burning refuse is not authorized.

(7) Red smoke will be used "FOR EMERGENCIES ONLY."

(8) Ensure proper medical support IAW Training and Doctoring (TRADOC) Command Medical Support Training Policy letter is provided prior to start of training.

(9) In the event of a request for medical evacuation, the OIC will follow evacuation procedures listed on the Medical Evacuation Battle Card issued by range control.

c. Field fortification. Much of Camp Bullis was used as an artillery range during and after World War I. Prior to construction/digging of field fortifications, coordination must be made with both Camp Bullis Operations and the Land Manager to ensure that areas contaminated with unexploded ordnance (UXO), as well as known archaeological sites and historical sites are not disturbed. In the event approval is granted for field fortifications in a given area and either UXO, archaeological, or historical material is unexpectedly encountered, digging will cease and Camp Bullis Operations will be notified. In these instances, the field fortification will be moved to an alternate location with the coordination of Camp Bullis Operations or the Land Manager. Units should be aware that UXO may also be encountered beneath the soil surface anywhere on the installation; therefore, any digging should be accomplished only with prior approval. If any suspected UXO is uncovered, digging will cease and Camp Bullis Operations will be notified immediately.

2-3. EMPLOYMENT OF AIRCRAFT IN TRAINING.

a. Units desiring to use organic, attached, or supporting aircraft in conjunction with training at Camp Bullis, will submit requests for their use in accordance with Chapter 7, of this regulation. Requests will include number and type of aircraft to be employed, type of mission; i.e., air movement, air assault, or parachute operations, and the name of the OIC. All Air Operations must operate IAW Camp Bullis Air Operation Standing Operating Procedures (SOP).

b. Immediately upon arrival of the advance party at Camp Bullis, units are required to have an aviation officer or qualified representative report to Camp Bullis Operations for an orientation on current procedures. Copies of the Camp Bullis Air Operations SOP, local flying rules, and other pertinent publications will be made available at that time.

c. High performance aircraft in support of a training mission may be authorized. However, due to the high volume of civilian air traffic in the local area, prior arrangements must be made through the Federal Aviation Administration (FAA) for coordination. As a minimum, a Forward Air Controller (FAC) must be on station to control aircraft.

d. All aircraft to be employed in training at Camp Bullis, will establish communications with "Range Control" prior to entering Camp Bullis airspace.

2-4. HELICOPTER MOVEMENT.

a. Scheduling the use of airspace or maneuver/training areas will be coordinated with Camp Bullis Operations prior to use.

(1) There are no air traffic control (ATC) facilities at Camp Bullis. Aircraft entering or departing Camp Bullis will contact "Range Control," ultra high frequency (UHF) 226.3 AM or on FM 34.20. Once communications are established, the following information will be transmitted: unit, tail number, number of personnel on board, amount of fuel (in hours), and the area to be utilized. "Range Control" will then advise the aircraft of any other aircraft in the area and the status of the ranges, and will monitor/use UHF 299.9 as a common air-to-ground frequency. Upon departure from Camp Bullis, the aircraft will again communicate with "Range Control" and notify them of their destination. The aircraft must remain clear of all firing ranges and impact areas when maneuvering.

(2) The Camp Bullis headquarters helipad is located at grid NH 410788, approximately 200 meters northeast of the cantonment area.

(3) Other suitable unmarked landing sites are available at Camp Bullis and may be used in conjunction with training in the immediate area. However, no aircraft will land anywhere on Camp Bullis other than the established helipad(s) or within the aircraft's scheduled tactical flight area without prior coordination and approval from "Range Control." When unit training is being conducted by other organizations, landing at these sites must also be coordinated with the unit in training, prior to approaching that area.

b. Helicopter pilots departing Camp Bullis should obtain San Antonio airspace availability (ARSA) information on UHF 118.9 and will maximize the use of established flight corridors as established by FSH Reg 95-1, Aviation General Provisions, Local Flight Rules and Flight Standardization.

c. Pilots will avoid, to the maximum extent possible, flights in the vicinity of residences farms and populated areas.

2-5. DZ OPERATIONS. There are four DZs located on Camp Bullis. Buck DZ and Hall DZ are approved for both personnel and equipment drops. Turkey DZ is approved for equipment drops only. DZ Cougar which is TA 19 located in MA1A.

a. Units desiring to conduct airborne operations in conjunction with training at Camp Bullis will submit requests for use of a DZ in accordance with Chapter 7 of this regulation. Units must submit both a request for range/training area (CSFS Form 2070-E, Request for Ranges/Training Area) and a request for aircraft use on Camp Bullis (CSFS Form 2071-E-R, Request for Aircraft Use on Camp Bullis Training Site). Requirements for filling out these forms are listed in Appendix B and C respectively.

b. Before use of the DZ, the OIC will ensure the following:

(1) The OIC, DZSO, and Combat Control Team (CCT) (if used) are thoroughly familiar with and that all actions are IAW FSH Reg 95-1, and the Camp Bullis Air Operations SOP.

(2) Drop zone and airspace are approved for training and are signed for by the using unit.

(3) Communications are established with "Range Control," before occupying the DZ.

(5) The OIC and qualified DZSO are present on the DZ.

(6) Medical personnel are present and have appropriate medical equipment.

(7) CCT and malfunctions NCO, if required, are present.

(8) Road guards with communications to the DZSO are in place at the gates on Malabang Trail for parachute operations on Hall DZ.

(9) Communications from the DZ to "Range Control" are established and the DZ is opened to go active 1 hour prior to the scheduled drop time. The OIC/DZSO must request permission from Camp Bullis Operations to open a DZ. Permission to activate a DZ will be given only when all required personnel and equipment are in place at the DZ and reported as such to "Range Control."

(10) Communications with the supporting aircraft are required except when service level regulation permits otherwise for special operation units and it has been previously approved by Camp Bullis Operations. In this case approved visual signals may be used to communicate with the aircraft. Communications with "Bullis Control" will be maintained throughout the operation.

(a) Each successful drop will be reported as it occurs.

(b) All incidents/accidents will be reported via radio immediately as they occur and via hard copy prior to the DZSO departing Camp Bullis.

(c) Missing weapons, personnel, and/or serious injury must be reported to the using units home station and to "Range Control" in a timely manner.

(11) The DZSO party is required to have night vision goggles during night parachute operations.

c. Ensure that the OIC or the DZSO (if different) understands and complies with FM 57-230 in Aug 1996 and FM 321.220 in Sep 2003, Advanced Parachuting Techniques, in Chapter 12 and this regulation.

d. For further information consult the Camp Bullis Air Operations SOP, Camp Bullis Operations (Air Coordination NCO), DSN 421-7510; commercial 210-295-7510. **NOTE:** See Appendix J (Camp Bullis Checklist for Airborne/Combat Assault Landing Strip (CALs) Operations).

2-6. CALS/LANDING ZONE (LZ) OPERATIONS.

a. Units desiring to conduct tactical training involving fixed wing aircraft using the CALS will submit a request in accordance with Appendix C and Chapter 7, of this regulation.

b. A CSFS Form 2071-E-R, Request for Aircraft Use on Camp Bullis Training Site, requesting approval for use of the CALS will be sent to the Commander, Camp Bullis. Information required will be:

(1) Date(s) of exercise.

(2) Number of flights planned to and from the CALS.

(3) Number of aircraft expected to be in each flight.

(4) Point of departure and route of flight to the CALS.

(5) Type of aircraft to be used.

(6) Point of contact (POC) and telephone number for detailed coordination of the exercise.

c. Upon approval of the CSFS Form 2071-E-R, scheduling for the CALS will be accomplished at Joint Airborne/Air Transportability Training (JA/ATT) Conferences.

d. Instructions for CCT/Ground Crew (GC)/Air Crew:

(1) All radio communications between aircraft and the LZ CCT/GC (call-sign "LZ CCT or LZ GC") will be conducted on UHF 226.3 AM (primary) or FM 34.20 (alternate). If alternate frequency is used, aircraft will still monitor UHF 226.3 AM, at all times. If unable to contact LZ CCT/GC, contact the net control station, "Range Control" on UHF 226.3 AM. Aircraft may not land or take off without positive communications with LZ CCT/GC.

(2) Weather minimums are ceiling 3000', visibility 3 miles, as reported by San Antonio Tower (SAT).

(3) The CCT/GC will check-in at Camp Bullis Operations to coordinate for the use of Camp Bullis LZ.

(4) The CCT/GC will maintain communications with "Range Control" on FM 34.20 or UHF 226.3 AM.

(5) The CCT/GC will ensure direct telephone communications are established between Camp Bullis LZ and the SAT before landings at Camp Bullis LZ are initiated.

(6) The CCT/GC must ensure that the crash rescue equipment and personnel are in position at Camp Bullis LZ before conducting fixed wing operations.

(7) The CCT/GC must ensure the prescribed airfield portable lights are in place and operational, prior to commencing night operations. (See Tab CC-1 and CC-2 of Camp Bullis Air Operations SOP.)

(8) No landings/takeoffs, aircraft on ground with engines running, or aircraft in traffic pattern are allowed when Hall DZ has an inbound aircraft for airdrop or while parachutists are still in the air. The Camp Bullis LZ CCT/GC is responsible for coordinating/controlling the inbound approach of any aircraft making a parachute drop on Hall DZ when Camp Bullis LZ is active.

(9) No POVs are authorized to be at Camp Bullis LZ, except for the CCT/GC who were unable to obtain a military vehicle, and who have an approved POV pass from Camp Bullis Operations.

(10) No vehicles are authorized to be driven on or across the runway, taxiway, or parking apron, with the exception that the CCT may drive on the runway to conduct required inspections of the runway surface.

(11) For further information, consult Camp Bullis Air Operations SOP. (Air Coordination NCO), DSN 421-7510, commercial 210-295-7510.

2-7. TACTICAL CONVOY TRAINING/ROAD MARCHES AND MOVEMENT.

a. Blackout marches. Blackout marches will be approved and scheduled by Camp Bullis Operations. All requests will indicate unit, date/time, type of vehicles, starting point (SP), release point (RP), and an overlay of the route. Units will adhere to SP/RP times. One vehicle will precede the blackout march element by 1,000 meters with lights on to warn on-coming vehicles. One vehicle will follow the march element by 1,000 meters to warn overtaking vehicles. Maximum speed for blackout marches will not exceed 15 mph. No roadblocks are authorized. All blackout marches will occur north of Cowgill Road. Units will notify "Range Control" by radio just prior to beginning the blackout exercise and at the completion of the exercise. Camp Bullis Operations will notify all units of the impending blackout exercise, to include route and time of the scheduled event.

b. Track vehicles. Track vehicles employed in training at Camp Bullis will be utilized in maneuver areas 3, 4 or 5. Track vehicles moving to and from training areas will utilize the tank trails. Track vehicles will not be allowed on any drop or landing zone. At no time will track vehicles be permitted on hard surface roads or secondary roads, except at authorized tank crossing sites on Camp Bullis, Malabang and Sewell Roads, as indicated in map sheet 6243 II N.

c. Speed limits for all vehicles in training areas will not exceed 25 mph on improved roads and 20 mph on unimproved roads, unless otherwise posted.

d. Foot marches.

(1) Foot marches requires prior approval from Camp Bullis Operations even when conducted within the unit's scheduled maneuver/training areas or along hard surface roads. Foot marches must be specified in the unit's CSFS Form 2070, Request for Training.

(2) Foot marches conducted along hard surface and secondary roads will be in file formation off either shoulder of the road. Personnel will not be permitted to march in the center of roadway. Road guards will be posted 50 meters to the front and rear of the column when flanking personnel across roads.

(3) All foot marches will have proper medical support for treatment and evacuation of injured personnel.

(4) During night foot marches or when marching troops in the cantonment area during hours of darkness, road guards with reflective vests and flashlights will be posted 50 meters to the front and rear of each column, to warn traffic of troop presence.

(5) Medical requirements, see TRADOC Medical Support to Training Policy, Appendix R.

2-8. TRAINING AIDS.

a. Audiovisual and training aid fabrication is not available at Camp Bullis. Units should make prior arrangements to bring necessary equipment from their home station to support their unit requirements.

b. Targets and range supplies. Targets and range supplies listed in Appendix E are available for issue on hand receipt to an authorized unit representative having a current DA Form 1687, Notice of Delegation of Authority, Receipt for Supplies, or a memorandum signed by the unit commander.

2-9. CONFIDENCE/OBSTACLE COURSE.

a. Units conducting training on the confidence/obstacle course will ensure procedures outlined in FM 21-20, Physical Fitness Training, Chapter 6 are strictly followed.

b. Units will notify Camp Bullis Operations, building 6110, of the number of soldiers negotiating the course and any injuries that occur, to include on what obstacle, will be reported immediately to "Range Control" (FM 34.20).

2-10. CHEMICAL AGENT USAGE. Use of chemical agents is not permitted on Camp Bullis without prior approval from Camp Bullis Commander. Units desiring to use agents will schedule their use on CSFS Form 2070-E, Request for Ranges/ Training Areas, when requesting training area(s). The Nuclear Biological and Chemical (NBC) Chamber located at grid NH 3998115 is the only authorized location to use CS. Only pellets or powder will be used. No exemptions as to location and type of chemical. The use of these items must be tightly controlled as to when and where they will be employed. They present an

extreme safety hazard. Units intending to utilize chemicals must receive a separate briefing and must contact "Range Control" for permission just prior to the use of these devices. Units must be on guard to ensure there are no aircraft in the area while the devices are being used and must advise "Range Control" when use is complete.

2-11. TRAINING IN THE CANTONMENT AREA. Training in the cantonment area must receive prior approval from Camp Bullis Commander.

2-12. RAPPELLING TRAINING.

a. Units requesting training on the rappelling tower and designated rappelling areas must have a qualified Rappel Master Trainer. Prior to signing for the Rappel Tower and conducting training, units will have their training plan IAW procedures outlined in the Camp Bullis SOP.

b. Medical requirements, see TRADOC Medical Support to Training Policy

c. The proficiency-verifying agency will be Camp Bullis Operations. The following rappel proficiency verification criteria will be accepted at Camp Bullis:

- (1) Special forces training.
- (2) Ranger training.
- (3) Rappel master training course.
- (4) Other special operational forces training.
- (5) Other recognized rappel instructor course completion.

NOTE: Camp Bullis will still have to verify the above training.

d. The master rappel certified soldier would be the overall responsible individual for safety, training coordination, and use of training area. This individual will remain at the training site until completion of the training.

**CHAPTER 3
PRIORITIES, SCHEDULING, REQUESTS, AND CANCELLATIONS**

3-1. PRIORITIES. Logistical and training resources will be assigned IAW the following priorities:

- a. All field training required for Army mobilization will have priority of scheduling.
- b. All field training exercises (FTXs)/Joint FTXs scheduled by higher headquarters (i.e., FSH Garrison) will automatically have priority.
- c. Active duty AMEDDC&S school units stationed on FSH/Camp Bullis.
- d. Other active duty units stationed on FSH/Camp Bullis.
- e. Reserve component units stationed on FSH/Camp Bullis.
- f. Active duty units not stationed on FSH/Camp Bullis.
- g. Reserve component units not stationed on FSH/Camp Bullis.
- h. Senior reserve officer training corps (ROTC) within the FSH support area.
- i. Junior ROTC within the FSH support area.
- j. All other government organizations (i.e., Police, FBI, etc).
- k. All other non-government organizations approved by DOD Reg 5500.7-R, **Joint Ethics Regulation and AR 10-1 (RESC) in MAR 1987 by DA PAM 25-30, Private Organizations on Military Reservations.**
- l. Order of priority within each military category is Army, Joint, and other services. Where Camp Bullis is the designated New Equipment Training (NET) site operated by a FSH/Camp Bullis tenant, the units selected for training at that site will have the same priority as the FSH/Camp Bullis unit operating the site.

3-2. REQUEST PROCEDURES.

a. All active duty units requiring the use of Camp Bullis facilities will submit their formal requests (CSFS Form 2070-E) to the Commander, Camp Bullis IAW AMEDDC&S & FSH Reg 350-2. Reserve Units will submit requests (CSFS Form 2070-E) to the Director RLBC, AMEDDC&S and FSH, ATTN: MCCS-BRL-OP, FSH, TX, 78234-5002, at least 90 days prior, but not later than (NLT) 21 days prior to the desired utilization date. Exceptions will be granted only in emergency situations, on a case-by-case basis. Requests by civilian organizations to utilize Camp Bullis must be sent initially to the Public Affairs Office (PAO), Judge Advocate General (JAG), and the Director, RLBC, AMEDDC&S and FSH, ATTN: MCCS-BPO, TX 78234-5002.

b. All requests will be submitted on CSFS Form 2070-E, Request for Ranges/Training Areas, and CSFS Form 2071-E-R, Request for Aircraft Use on Camp Bullis Training Site.

c. These forms should be filled in completely, listing any additional requirements in section IV. Incomplete forms will be returned to the unit

without action. These forms may be downloaded from the FSH local area network administered by Information Technology Business Center (ITBC) or requisitioned from Camp Bullis Operations.

d. Submission of CSFS Form 2070-E and CSFS Form 2071-E-R should be made as far in advance as possible before the desired training date. Priority, as established in this chapter will be effective for all requests submitted prior to 90 days before the training event.

e. Requests received after the 90-day mark prior to the training event will compete for Camp Bullis resources on an equal basis without regard to priority. Units must plan carefully and request only those resources needed for the exact time period needed.

f. **Camp Bullis will not accept "blanket requests" or requests for resources that appear to be far in excess of a unit's actual need, which would, in effect, prevent other units or activities use of vital resources.** No request will be processed prior to the 90-day mark without approval of the Camp Bullis commander.

g. Additionally, changes or cancellations must be made as far out as possible. In order to support essential but low priority activities, such as Morale, Welfare, and Recreation (MWR), only emergency changes or new requests authenticated by the unit commander or activity chief may be submitted. **Camp Bullis commander will approve these on a case-by-case basis.**

h. In some instances, two or more units may collocate and execute their training in the same maneuver/training area. This may occur under the following criteria:

(1) The unit first scheduled for a specific area, IAW the priorities and procedures stated in this regulation, must approve another unit's request to utilize the same area. The unit desiring to collocate must initiate the request with the unit scheduled to utilize the area in question.

(2) If the scheduled unit approves the request, the requesting unit must report to Camp Bullis Operations, providing confirmation of the coordination. That confirmation, at a minimum, will include date/time, group, name, rank, duty phone, duty position, and unit designation of the individual providing its approval to collocate, to include any constraints placed on the collocating unit by the approving unit.

i. The assignment of a range/training facility to a unit does not include the exclusive use of the area or roads and trails within the area unless special requirements are justified and the Camp Bullis commander has approved sole user authority.

j. A representative from the unit's advance party must contact Camp Bullis Operations upon arrival at Camp Bullis. At this time, all range and administrative requests will be checked and reconfirmed. Changes will be made if necessary.

k. Ranges and training areas will revert to the control of the Commander, Camp Bullis when units fail to report or communicate within 1 hour of scheduled utilization.

l. Requests for small arms ranges will include type of weapon(s), ammunition, type target desired, and the inclusive times of actual intended firing. Night firing should be clearly identified and will be accomplished IAW the safety requirements of this regulation.

n. The Camp Bullis commander must approve the use of agents (CS) or Chloroacetophenone (CN). Chemical agents will be restricted to be used inside the NBC Chamber only.

o. Requests for training facilities in support of an exercise which will require several training areas, maneuver or bivouac areas, or which will include special activities such as blackout operations, smoke operations, chemical attacks or aggressors activities will require the submission of an activity's overlay along with the request (1:25,000, 1:50,000). Request and overlay must be of sufficient detail to identify terrain requirements, routes of march, locations of special activities, and inclusive dates and times of desired use.

p. Enforced light requirements. Blackout drives must have prior coordination with Camp Bullis Operations. Service drives may be used any place on the reservation (see paragraph 6-7).

q. CSFS Form 2070-E and CSFS Form 2071-E-R can be found in Appendix B and C, respectively, of this regulation.

3-3. CANCELLATIONS. The cancellation of any request will be reported promptly to Camp Bullis Operations when it is determined that a range/training facility is not needed. No notice cancellations are unacceptable, as they cause the inefficient use of training resources. If this occurs, it will jeopardize that unit's ability to schedule Camp Bullis resources in the future. Units must notify Camp Bullis Scheduling/Operations at least 2 days prior when canceling the use of automated ranges.

3-4. SIGNING FOR AND CLEARING OF RANGE/TRAINING/MANEUVER AREAS. All ranges and maneuver/training areas must be signed for at Camp Bullis Operations, prior to occupation and must be cleared prior to departure. The signing for and clearing of maneuver areas will be made only during normal duty hours, 0630-1700. The exact time must be coordinated and scheduled with Camp Bullis Operations. The same policy is applicable to firing ranges, except when early or late firing has been approved and scheduled.

3-5. SIGNING FOR AND CLEARING OF LOGISTICAL RESOURCES. All logistical resources must be signed for from the Camp Bullis, Supply Section. Clearing of logistical resources can be scheduled at two times only (0900 and 1500), daily, through Camp Bullis Supply. If a unit fails it's clearing inspection at the time scheduled, a re-inspection will not occur until, at a minimum, the next authorized clearing time. Training units must program for a rear detachment element to ensure that the majority of the unit is not delayed in its departure from the training site due to incomplete clearing requirements. In some instances, when another unit requires resources on the same day that a unit is scheduled to clear, the Camp Bullis staff may dictate a unit's clearing time. Appendix I is the Range Clearance Checklist; Appendix L, Range Inspection Checklist; and Appendix M, Training Facility and Equipment Register.

3-6. **Access to Training Areas.** Access is authorized to those only in government vehicles and who has business in the training area. POV access is by permission only and is outlined in POV SOP No.13; Appendix O. Request for access with POV can be authorized in one of three ways. First, A memorandum, Appendix P, to the Commander, Camp Bullis Training Site from the Commander/Director of an organization, requesting a POV sticker. These stickers are reserved for only those persons who have recurring business in the training area. Vehicles who receive a sticker must register it with HQ Camp Bullis, to include proof of registration and insurance. The second method is to send a memo, Appendix Q to the Camp Bullis XO/Deputy requesting access to the training site. This method is to be used by units training here periodically and do not have access to government vehicles. Approval is only for the duration of the exercise. The third way is to stop at Range Control, Bldg 6110, and request a day pass. Hunters seeking access must coordinate through Outdoor Recreation Center (ORC).

**CHAPTER 4
MEDICAL SUPPORT**

4-1. UNIT RESPONSIBILITY.

a. Medical personnel and equipment to support training are a unit's responsibility. All units or organizations are encouraged to have a qualified medic, they must have at least a Combat Lifesaver (CLS) or equivalent (Certified Nurse Assistant or Red Cross certified First Aid), and first-aid supplies in order to conduct any field training at Camp Bullis. All units will be responsible for transporting any patient with a routine illness or injury from the field-training site to the United States Army Health Clinic (USAHC) in the cantonment area.

b. Any unit or organization conducting rappelling, personnel parachute drops, military operations on urbanized terrain (MOUT) training, Explosive Ordnance Disposal (EOD), demolitions, or live fire on M203/LAW, or hand grenade ranges, will have the following medical personnel/equipment:

- (1) Qualified medic who is a non-participant in the training.
- (2) Field medic's aid bag.
- (3) Litter.

(4) Vehicle capable of traversing the terrain on which the training is being conducted, and capable of transporting the litter.

c. The commander and officer in charge of any unit or organization training at Camp Bullis must ensure that any individual seriously injured in training will receive Advanced Trauma Life Support Care (ATLS) within one hour. Units must have the medical assets listed above, dependable communications with "Range Control" and leader's knowledge of the remaining portions of this chapter to ensure this standard is met.

d. Any U.S. Army unit deploying to Camp Bullis without the above requirements (medical personnel/supplies/transport vehicle) will submit a request for medical support they cannot provide to the RLBC, FSH, IAW FSH Reg 5-1, Management Installation Support. All Reserve or National Guard units of any service will be required to provide medical support from their own Reserve Component medical resources. Civilian organizations that wish to train at Camp Bullis must also meet these support requirements.

4-2. UNITED STATES ARMY (USA) MEDICAL AID STATION.

a. Brooke Army Medical Center (BAMC) is responsible for medical support to Camp Bullis.

b. The USAHC is a fully functional Family Practice Clinic. X-ray and laboratory services are available. The clinic will provide routine sick call for units training at Camp Bullis (Hours are 0600-0700 Mon-Fri). Urgent care for illness or injury will be provided during regular clinic hours. Life, limb or eyesight emergencies will require evacuation as outlined in section 4-3 Medical Evaluation.

c. All unit medics, CLS, or first-aid personnel will check in with the USAHC prior to entering the training area. Training unit commanders will

ensure that supporting medical units are familiar with clinic location and operating procedures.

d. The USAF operates the Medical Aid Station in Bldg 5425. The primary mission of the USAF Aid Station is to provide limited diagnosis and treatment of minor illness or injuries for Air Force personnel training with the USAF Detachment at Camp Bullis. The Aid Station does not have x-ray or laboratory capabilities.

4-3. MEDICAL EVACUATION (MEDEVAC).

a. Emergency. Emergency medical evacuation from Camp Bullis to a hospital capable of providing Advanced Trauma Life Support (ATLS) is provided by contract ambulance services. An emergency is defined as any training injury or illness that threatens or could threaten life, limb, or eyesight.

(1) Units will immediately call "Range Control" at FM 34.20, UHF 299.9 or landline 295-7510/7790 or 687-1305 if they have an injured or ill patient who requires emergency evacuation. **If the OIC of the training unit, or the senior medical person on site determines that the patient is unstable and in imminent danger, they may request that the civilian air ambulance service be called immediately.** If a suspected emergency patient is not in imminent danger, the unit will request that "Range Control" dispatch. If the unit is not supported by a real world ambulance (E CO ACAD BN) then the unit may request that "Range Control" dispatch the Fire Department to the site for assessment of the patient. The Fire Department paramedics or Emergency Medical Technicians will evaluate and stabilize the patient and make a determination as to means (ground or air) and destination for evacuation. The unit may bring the patient to the USAHC of the training area should not be delayed by transport to the USAHC or USAF Aid Station if obvious need for ATLS is present. For emergencies within the cantonment area, the Fire Department should be contacted by calling 911.

(2) All requests to "Range Control" for emergency medical support will include the following information:

- (a) Unit ID and call sign.
- (b) Location of patient(s), grid coordinates, or common name.
- (c) Number of evacuees.
- (d) Urgency of injury/illness (care should be employed in determining urgency; routine or non-emergency cases will be evacuated by ground ambulance).
- (e) Brief description of patient's medical condition.
- (f) Movement status (litter/ambulatory) and special equipment required.
- (g) If MEDEVAC is necessary, include how the LZ will be marked (red smoke/vehicle headlights/panels?). Red smoke is only authorized for emergencies.

(3) Units requesting emergency medical support must remain on the frequency.

b. Additional Instructions - MEDEVAC

(1) If feasible, MEDEVAC patients will be moved to one of the 26 pre-designated evacuation LZs. The pre-designated aeromedical LZs are outlined in the Camp Bullis Air Operations SOP, and the patient should be moved to the closest one. If the patient's condition prevents movement to pre-designated LZ, unit may request evacuation from the point of illness/injury. Requester will provide the patient's location (grid coordinates), means of marking site and stay on line to direct air ambulance to site.

(2) Radio calls for MEDEVAC have precedence over all other radio traffic. Once "Range Control" receives a call for aeromedical evacuation and a MEDEVAC has been approved, all units engaged in live firing will come to a cease-fire status until the MEDEVAC pickup is completed, and they have been returned to a HOT status by "Range Control." Simulated casualty reports over radio nets will not be made without special permission from "Range Control."

(3) Patients will require trans-loading to AirLife litters. Army standard litters are not compatible with an AirLife aircraft.

(4) Injuries to the C-Spine will be immobilized prior to transport.

c. General.

(1) Evacuation to the USAF Aid Station is a unit responsibility, unless movement of sick or injured personnel might cause further injury and unit medical personnel are not properly equipped. Non-emergency patient transport from or to Camp Bullis is a unit responsibility.

(2) Clinic personnel and "Range Control" will coordinate Emergency evacuation from the USAHC or field sites.

(3) In extreme emergencies, the senior unit medic at a field site or the OIC may request immediate air evacuation from a field site prior to the arrival of Fire Department medical personnel. "Range Control" will make the call to the civilian air or ground ambulance service.

(4) Patients treated at the USHAC who are cleared for return to training must be picked up by their unit within one hour of notification.

CHAPTER 5
POLICE, SANITATION, AND ENVIRONMENTAL PROTECTION REQUIREMENTS

5-1. RESPONSIBILITY. Commanders of using units are responsible for policing training and maneuver areas, firing points, observation points (OPs), small arms ranges, and any other training facilities that their units utilize at Camp Bullis.

5-2. REQUIREMENTS AND RESTRICTIONS.

a. Upon completion of training, commanders will conduct a thorough police of the training facility used to ensure that no trash, ammunition boxes, ammunition, brass or other debris has been left in the area. Prior to departure from the training facility the OIC will contact "Range Control" (FM 34.20), and request a range inspector to conduct an inspection and grant clearance. If it is impossible for the inspection to be conducted prior to unit departure or if the inspection was conducted and the state of police was found unsatisfactory, the commander will designate a responsible individual to accompany Camp Bullis Operations personnel on a subsequent inspection once deficiencies have been corrected. Units will not be allowed to clear the post until all areas and training facilities used have been policed/cleaned properly, and inspected by Camp Bullis Operations and/or Camp Bullis Supply personnel.

b. In the event a unit entering a training facility finds the area in a state of poor policing, Camp Bullis Operations will be contacted immediately. Any unit not reporting a poorly policed area will accept the responsibility of policing the area when they use or occupy it.

c. Daily police inspections of assigned billets and latrine facilities may be conducted by the Camp Bullis Supply Branch, and deficiencies noted and forwarded to the appropriate unit commander for corrective action. Inspections will include, but are not limited to the following:

- (1) Cleanliness.
- (2) Conservation of utilities and fuel.
- (3) Grass cut around billets, dining areas, parking areas, and hutments.
- (4) Compliance with environmental requirements. See paragraph 5-3.

d. Training units may be assigned additional police areas of responsibility other than their training area/range by either Camp Bullis Operations or the Camp Bullis NCOIC. These areas will be assigned upon the unit's arrival for training and will be inspected as part of the unit's area of responsibility prior to the unit's departure. Additional police areas assigned will normally be, but not limited to, common use areas, such as along roadways. The requirement could include filling of sandbags for range repair/replacement.

e. Units are subject to recall for police purposes if any area is found to be substandard or in violation of the above standards.

5-3. ENVIRONMENTAL PROTECTION REQUIREMENTS. The following information is directive in nature. It outlines the criteria to be implemented to protect

the environment of Camp Bullis, as well as the surrounding areas. Failure to protect and preserve the affected environment will reduce the suitability of Camp Bullis for training activities in future years and will lower the quality of life for those in the surrounding area. Therefore, it is imperative that the environment associated with Camp Bullis be protected and preserved. Violation of environmental protection requirements may result in administrative, civil and criminal punishment, and fines.

a. Protection of Water Resources. Portions of Camp Bullis lie over the recharge zone of the Edwards Aquifer. The Edwards Aquifer consists of a water-bearing geological formation running from west to east through Bexar and adjacent counties. The aquifer provides water for over one million people. It is presently the only source of water for the city of San Antonio, 16 smaller area cities and towns, and five military installations within its geologic area. Practically all the water, which enters the aquifer, enters where the formation is exposed at the surface, identified as the "recharge zone." The formation is porous and is riddled with fractures, caverns, and solution channels. It is this characteristic, which allows water to be absorbed in the recharge zone; however, this feature also allows an access for wastes to contaminate the aquifer. Although the recharge zone is located only in maneuver areas 10 and 11, and portions of 1 and 2, the rest of Camp Bullis lies upstream of the recharge zone. It is, therefore, vital that all training be in strict accordance with the provisions outlined below, in order to prevent pollution of this valuable water resource.

(1) Fording of streams.

(a) Stream fording will be held to a minimum and should normally be conducted at identified fording sites.

(b) Operators of vehicles will strive to prevent the excessive destruction of vegetative cover in the proximity of the stream bed.

(2) Field dining.

(a) Prior to any exercise being initiated, which may utilize field messing facilities, the proponent of the action will coordinate with Camp Bullis Operations.

(b) If field dining facilities are established, soakage pits for utensil washing/rinsing will be established and closed in accordance with FM 21-10, Field Hygiene and Sanitation. Grease traps will be utilized, if applicable.

(c) Individuals will not dispose of food scraps in the field. Solid wastes and greases will be collected, returned to the cantonment area, and disposed of in the appropriate receptacles.

(d) Field dining facilities will not be authorized in training areas 10 or 11, or in the flood plain of Cibolo, Salado, Lewis, Panther Springs, or Mueseback Creek.

(3) Field latrines.

(a) Permanent field latrines are available in many areas. If none are available or are inadequate for the number of individuals training,

portable chemical latrines may be contracted for in coordination with the PWBC, Construction Management Section, 221-3450/4510. Foreign objects (cans, rolls of toilet paper, food cartons, etc.) will not be disposed of in field latrines.

(b) Portable chemical toilets will not be placed within 50 meters of any streambed (intermittent or continuous flow), cave, well, watering facility, or open body of water.

(c) Permanent latrines, and/or portable chemical toilets will be utilized to the maximum extent during training. The utilization of slit trenches, cat holes, etc., must be pre-authorized by the Camp Bullis commander.

(d) Prior to any exercise being initiated, which may utilize field expedient latrines, the proponent of the action will coordinate with Camp Bullis Operations for approval.

(e) Field expedient latrines, when authorized, will be established and usage terminated in compliance with FM 21-10.

(f) Field expedient latrines will not be authorized in training areas 10 and 11 or in the flood plain of Cibolo Creek.

(4) Field showers.

(a) Use of field showers must be pre-approved by Camp Bullis Operations, and must be accomplished IAW FM 21-10.

(b) Shower facilities located within the cantonment area are available upon coordination with Camp Bullis Operations.

(5) Field laundries.

(a) Field laundries must be pre-approved by Camp Bullis Operations. Field laundries will not be authorized in maneuver areas 10 and 11 or in the flood plain of Cibolo Creek.

(b) Disposal of wastewater generated by field laundries will be disposed of IAW FM 21-10.

(6) Washing of vehicles. Vehicles will be washed only at the cantonment area washrack, with the exception of Nuclear, Biological, and Chemical (NBC) decontamination procedures/training. Selection of the decontamination site will be coordinated with Camp Bullis Operations.

b. Petroleum, oil, and lubricants (POL), storage facilities.

(1) POL products include gasoline, diesel fuel, oil, grease, etc. If POL is to be stored in excess of 48 hours or the combined volume of POL products exceeds 500 gallons, a temporary dike (either soil placed one-foot high or double row of sandbags) will be established to contain any spillage that might occur. If fuel storage pods, bladders, etc., are to be located on the ground, a temporary dike will be constructed, regardless of the time and volume stored.

(2) POL products will not be stored within 200 meters of any streambed (intermittent or continuous flow), well-watering facility, or open body of water.

(3) POL products will not be dispensed within the cantonment area or tactical vehicle parking area, unless pre-approved by Camp Bullis Operations. If units desire to establish POL dispensing facilities in the near proximity to the cantonment area, they may utilize the dike area northwest of building 6111 for ground vehicles, and the dike area northeast of the helipad for helicopters.

(4) The facility will be inspected periodically during the operation to ensure no spillage and/or seepage has occurred. If a spill has occurred, cleanup operation will be initiated immediately. Spills will be reported immediately to the Fire Station and to "Range Control," with name, location, amount, type of POL and time of occurrence. Contaminated soils associated with minor spills or leakage will be collected (dug out a minimum of 1 foot where feasible) and removed to the cantonment area for disposal. Precaution should be exercised to avoid contamination of streambeds, drainage and sinkholes by POL products or soil erosion.

(5) Care must be taken in handling and storing POL products to prevent seepage into the ground. Waste POL products will not be burned, dumped in trash containers, deposited at trash collection points, spread on the ground, nor dumped in sewers, ditches or streams. Waste POL will be placed in containers supplied by participating units and deposited at waste POL collection points.

(6) The POL storage and dispensing facilities will not be authorized in training areas 10 and 11, or in the flood plain of Cibolo Creek.

(7) Any POL spill will be reported to "Range Control," immediately.

c. Solid waste.

(1) Solid waste generated from dining facilities will be collected and disposed of in cantonment area dumpsters or dumpsters located in selected maneuver areas.

(2) Remaining edible foodstuffs will be disposed of in installation dumpsters.

(3) Individuals will dispose of foodstuff containers (field rations, etc.) in a designated receptacle for transport to the cantonment area.

(4) Burning or burying of refuse is prohibited.

(5) Ordnance material will not be disposed of with refuse. Such material will be turned in, and evacuated through channels to appropriate Class V points.

(6) Meals Ready to Eat (MRE) heaters will not be disposed of with refuse nor will they be placed in dumpsters. All MRE heaters will be managed according to Camp Bullis Policy Letter Number 13. (See appendix N).

d. Fire protection.

(1) Open fires are prohibited, except in established recreational areas/camp sites.

(2) During periods of increased fire hazards, caution will be exercised in the use of simulators and other pyrotechnics. The use of pyrotechnics will be coordinated through "Range Control" (FM 34.20). High fire hazards generally exist during periods of extreme dryness, high winds, low humidity, high temperatures, or any combination thereof. Pyrotechnic devices will not be used when a high fire hazard exists.

(3) Wildfires resulting from the use of simulators or other pyrotechnics will be reported immediately to Camp Bullis Operations.

e. Camouflage.

(1) Only ash juniper (cedar) trees, 6 feet or less in height, are authorized to be used for camouflage. Ash juniper trees in areas designated as golden-cheeked warbler are not authorized to be used for camouflage and are not to be damaged.

(2) As a rule, only limbs from large trees will be used for camouflage. Limbs will be cut flush with the main trunk. When large trees are not available, small trees may be used provided the trunk is cut flush with the ground so that they will not pose a traffic hazard; i.e., puncture tires.

f. Noise abatement. Aircraft noise will be limited to the extent that training requirements permit. Aircraft will fly only at authorized altitudes. Individuals will make every effort to curtail excessive noise, particularly when operating in close proximity to the installation boundary.

g. Endangered species. Camp Bullis contains habitat supporting five federally listed threatened and endangered species: The golden-cheeked warbler, the black-capped vireo and three cave invertebrates (two beetles and one spider). These invertebrates live in caves located throughout the installation and are afforded the same protection as the golden-cheeked warbler and the black-capped vireo. At no time will trash or other material including vegetation, soil, or rocks be placed in any cave, nor will any person enter any cave without prior authorization by the Camp Bullis commander. All threatened and endangered species and designated critical habitat are protected under the Endangered Species Act (ESA) of 1973, sections 1531 to 1544, title 16 United States Code (16 USC 1531-1544). A copy of the ESA is available at the ITAM Environmental Office, Camp Bullis. Violators of the ESA are subject to both civil and criminal penalties. Listing or de-listing is subject to change with little or no notice by the United States Fish and Wildlife Service (USFWS). It is Army policy to comply with the requirements of the ESA and to ensure that all mission-oriented activities are performed in harmony with the ESA. In order to conserve and protect all applicable federally listed species and critical habitat, the following requirements have been established:

(1) All personnel using Camp Bullis will check with the ITAM Environmental Office, Camp Bullis (210-295-7761/7824), prior to beginning any training to determine all environmental constraints and restrictions that may impact their activities.

(2) Individuals will be responsible for knowing where all endangered species habitat or designated critical habitat areas are located relevant to their activities. Current endangered species habitat maps may be obtained at the ITAM, Environmental Office, Camp Bullis. The Environmental Office is the proponent for the Endangered Species Management Plan (ESMP) and the Karst Management Plan for the installation.

(3) Clearing, trimming, and prescribed burning activities are not allowed in endangered species habitat or critical habitat regardless of season or time of year, except as indicated in an approved ESMP or when supervised by qualified personnel from the ITAM Environmental Office.

(4) Untended or uncontrolled fires should be reported immediately to "Range Control."

h. Wildlife. It is the Army's policy to conserve, protect, and sustain biological diversity while supporting the accomplishment of the military mission. Habitat management efforts at Camp Bullis are consistent with these goals as indicated in the Fish and Wildlife Cooperative Plan (16 USC 670a), which is an integral component of the Integrated Natural Resources Management Plan. To adhere to this policy, the following requirements have been established:

(1) All military personnel, employees, and individuals, unless otherwise authorized, will refrain from handling, killing, capturing, collecting, or possessing any wildlife on Camp Bullis. If any apparently injured or sick animals are encountered, avoid contacting the animal and contact "Range Control" (FM 34.20), the ITAM Environmental Office, or the Military Police (MP).

(2) No exotic, domestic or agricultural animals are allowed on Camp Bullis without prior approval from the Camp Bullis commander.

i. Archaeological/historical resources. Disturbance of archaeological or historical sites, to include arrowhead or artifact hunting, is strictly prohibited by federal law. If such a site is encountered during the establishment of a bivouac or tactical position, all activities will cease and the unit will contact "Range Control" immediately.

**CHAPTER 6
SAFETY**

6-1. PURPOSE. To establish policies and procedures that permit the unit commander maximum flexibility in the planning, conducting of training, firing, and field exercises, while ensuring maximum safety to personnel and equipment, with a minimum loss of combat realism. This balance can be maintained through adherence to this regulation and the active use of risk management principles.

6-2. GENERAL.

a. Commanders of units that are training at Camp Bullis are responsible for fulfilling the requirements outlined in this regulation. Officers and NCOs will be familiar with the contents of this regulation and the references listed herein prior to arrival at Camp Bullis. This regulation will be strictly adhered to. Noted violations will result in a report being forwarded through appropriate command channels for necessary corrective action. Because of limited medical resources and the isolation of Camp Bullis, it is imperative that each individual on the installation understand and comply with the basic safety rules established herein -- their lives or the lives of other individuals may depend on their knowledge and actions.

b. This chapter establishes safety policies and procedures governing the multiple use of Camp Bullis. While some users have specific regulations governing their procedures, other uses may be unique operations or operations that are new to the Army. These operations will be managed using available regulations and the Camp Bullis Risk Management SOP. Risk management training and assistance is available at the Camp Bullis Safety Office.

c. This chapter establishes policies and procedures governing the firing of munitions on the Camp Bullis military reservation, as well as delineation of other safety requirements for all units and agencies utilizing Camp Bullis. (Ref: Army Regulation 385-62, Regulations for Firing Guided Missiles and Heavy Rockets for Training, Target Practice and Combat and AR 385-63, Policies and Procedures for Firing Ammunition for Training, Practice, and Combat.)

d. Major active duty and reserve force commanders are authorized to publish safety directives which conform to the provisions of this regulation and to other Army regulations, in order to meet the requirements of special training situations. In no case will subordinate command safety publications be less restrictive or eliminate any of the safety requirements set forth in this publication. Such publications should be coordinated with HQ, USAG, FSH, ATTN: MCCC-BCB, prior to publication and implementation.

6-3. INCOMING UNITS (MILITARY AND CIVILIAN). All incoming units (military and civilian) are required to report to Camp Bullis Operations, building 6110, and receive both a safety and final coordination briefing see (Appendix D, E, and F). Written risk management procedures will be furnished to Operations at this time. If signing for ranges or maneuver areas, Camp Bullis Operations will brief (see Appendix D, for outline of the Safety Briefing) specifically in these areas. Units signing for hutments during the winter season will be required to receive a separate safety briefing on the use of the hutment heating equipment. The Supply and/or Fire Department will provide this briefing.

6-4. RISK MANAGEMENT. Leaders will:

a. The Written Risk Management Worksheet will be provided to Camp Bullis Safety Office at least 10 days prior to operations.

b. Detect hazards and risks associated with operations. Identifying risks involves closely looking at each phase of training or operations.

c. Assess risks and determine risk implications. Leaders will consider the likelihood of a mishap and the degree to which injury or equipment damage is possible. Understanding facts is the basis for deciding whether or not to take a risk. (See the Camp Bullis Risk Management SOP, for risk management processes.) A copy of the Camp Bullis Risk Management SOP can be obtained by calling the Camp Bullis Safety Office, 295-7915. The Risk Management Worksheet, CSFS Form 4297, is also available on the FSH local area network, and at <http://www.cs.amedd.army.mil/iso>.

d. Develop risk control alternatives and make risk decisions. When risk elimination is not possible, risks will be controlled without sacrificing essential mission requirements. Risk control alternatives may include new or revised task standards, scheduling, operational procedures, and parameters training. Making decisions may include selecting controls, trading off mission elements against risk controls, and making a final decision whether controls are adequate to make a risk acceptable, considering mission benefits.

e. Implement risk control measures. Leaders will integrate procedures for controlling risk into plans, orders, SOPs, preliminary training, and other channels that ensure procedures are used during operations. Implementation will involve the chain of command.

f. Evaluate. Evaluate operational results, including the effectiveness of risk management controls.

6-5. ACCIDENT AND INJURY REPORTING.

a. All accidents and injuries occurring anywhere on Camp Bullis will be reported immediately to "Range Control" (FM 34.20), by use of the most expedient means, and will provide the information required to take appropriate action, as the situation dictates. The initial report will include:

- (1) Unit, date/time, and location of accident.
- (2) Name and grade of OIC.
- (3) Personnel and equipment involved in accident/incident.
- (4) Description of damages.

b. Units are responsible for ensuring a follow-up written report (DA Form 285-AB-R, US Army Abbreviated Ground Accident Report (AGAR), or DA Form 285, US Army Accident Report) is submitted through appropriate command channels. The unit responsible for the accident will supply a copy of the report to the Camp Bullis Safety Office, building 5050. Forms are available at building 5050. Assistance in completing the forms is available in AR 385-40, Accident

Reporting and Records, and DA PAM 385-40, Army Accident Investigation and Reporting, and the Camp Bullis Safety Office, 295-7915.

c. Accidents resulting in serious injury or death or in damage to equipment or facilities in the amount of \$2000 or greater will be investigated immediately by the affected unit and the Camp Bullis Command Group, as appropriate.

d. Camp Bullis Operations will furnish a copy of all accident reports or a ledger of reported accidents to the Camp Bullis Safety Office.

e. Camp Bullis Safety will provide a copy to the Command Group.

6-6. VEHICLE SAFETY.

a. Licensing. Supervisors shall ensure that personnel are properly trained and licensed for the vehicle they will be operating, FM 21-305, Manual for the Wheeled Vehicle Driver. Units found to be operating with improperly licensed or unlicensed drivers will be reported to their chain of command, and may lose access to Camp Bullis training opportunities.

b. Vehicle inspections. Units will have procedures in place that provide for the systematic inspection of vehicles, with particular emphasis on safety items such as lights, brakes, troop straps, etc.

c. Speed limits. The speed limit on Camp Bullis is 30 miles per hour (mph) on improved roads in the cantonment area, unless otherwise posted. Maneuver areas both improved or unimproved roads are 15 mph. The speed limit will be strictly observed. The speed limit when passing troops in formation is 10 mph.

d. Vehicular accidents. All vehicular accidents will be investigated by the MP. They may be reached through Camp Bullis Operations or by calling 295-7557. A copy of all vehicular accident reports will be furnished to the Camp Bullis Safety Office. Units are responsible for ensuring a follow-up written report is submitted through appropriate command channels. The unit responsible for the accident will supply a copy of the report to the Camp Bullis Safety Office.

6-7. BIVOUAC ACCIDENT AND INJURY PREVENTION.

a. Site requirements. Commanders will designate a SO and a fire marshal for each bivouac area. Responsibilities of SOs and fire marshals are as follows:

(1) Bivouac site. Bivouac areas will be free of hazards (i.e., debris, poisonous plants, dangerous animals and large and sharp rocks). SOs will check bivouac areas for high voltage lines before laying wire and erecting antennas and bridges.

(2) Parking area. A natural or artificial barrier will exist or will be constructed between the parking area and tent areas. Vehicles will be parked so they will not roll into sleeping or mess facilities. Vehicle parking areas will be located at least 15 meters from sleeping areas.

(3) POL storage area. The POL storage area will be located at an

elevation equal to or lower than bivouac areas.

(4) Ammunition and explosives storage area. Storage areas for ammunition and explosives will be surrounded by natural barricades, and will be at least 80 meters from the POL storage area, when possible.

b. Sleeping areas. Commanders will:

(1) Designate and mark sleeping areas with white engineer tape. When sleeping areas are around the perimeter of the bivouac area, and it is not practical to mark sleeping areas with white engineer tape, commanders will place extra emphasis on keeping vehicles away from the perimeter.

(2) Ensure sleeping areas are barricaded and are away from roads and vehicle trails, when possible.

(3) Not permit soldiers to sleep:

(a) Immediately in front of, behind, or under wheeled or tracked vehicles.

(b) In vehicles with the engine running.

(4) Encourage soldiers to sleep next to natural barriers (i.e., trees) within command-designated sleeping areas. Soldiers will sleep in safe places when in areas without natural barriers.

(5) Ensure guards challenge vehicles to halt at bivouac perimeters, and have a dismounted ground guide before entering assembly or bivouac areas.

(6) Ensure vehicles pass through assembly or bivouac areas only for operational necessity. To move through assembly or bivouac areas or areas where troops may be present, drivers will have ground guides. There will be 10 yards between vehicles and ground guides, **TC 21-306, Manual** for the Track Combat Vehicle Driver. Training Ground guides must be trained in using hand and arm signals, as outlined in **FM 21-305**, and their soldiers' manual.

NOTE: A complete blackout of vehicles in bivouac areas is prohibited during tactical exercises. Isolated blackout movements in bivouac areas may be authorized when a ground guide proceeds with a flashlight. Vehicle drivers will comply with flashlight and arm and hand signals given by ground guides.

(7) Ensure walking guards are posted and carry working flashlights after dark. Commanders will brief walking guards on their duties.

6-8. FIRE PREVENTION AND PROTECTION.

a. Major active duty and reserve forces commanders are authorized to publish safety directives, which conform to the provisions of AR 420-90, Fire and Emergency Services and FSH Reg 420-5, Fire Prevention and Protection. In no case will subordinate command safety publications be less restrictive or eliminate any of the safety requirements set forth herein. Such publications should be coordinated with HQ, USAG, FSH, ATTN: MCCS-BCB, prior to publication and implementation.

b. Fires in the cantonment area will be reported to the Camp Bullis Fire Department, by use of the most expedient means. The telephone number for the

Fire Department is 911 from government phones and 295-7514 from commercial phones. The use of fire extinguishers is encouraged only if the fire is extremely small and a report to the Fire Department can be made simultaneously. The safety of personnel is of primary importance. The evacuation of buildings must take priority.

c. Stoves in the hutment area pose a significant hazard if improperly used. All units will maintain fireguards when the stoves are in use. The stoves will be turned off any time no one is in the hutment to monitor them. It is imperative that nothing is placed on top of the stoves, in any season. Camp Bullis Supply will brief this to the person signing for hutments and that person will brief the unit.

d. Vehicles will not be parked in the hutment area or closer than 10 feet to any other structure, unless loading or unloading, or in an approved parking area. When it becomes necessary to block or obstruct a fire lane or access way while loading or unloading equipment or materials, the driver of the vehicle will remain with the vehicle to move it, in the event of an emergency. No parking is allowed along Wilkerson Road, between the posted number parking signs or between buildings 5114 to 5120, 888 to 889, and 5122 to 5124.

e. Fires on the ranges, in the impact area or in the maneuver training areas will be reported to Camp Bullis Operations, immediately. Camp Bullis Operations will request assistance from the Camp Bullis Fire Department. Primary fire fighting will be accomplished by the Fire Department. Personnel other than professional fire fighters will assist in fire fighting only if requested by the Camp Bullis Commander. The suppression of a range fire will take priority over all training being conducted. Units may be called upon to cease training and move to another area to assist in the suppression of a fire.

f. During extremely dry and windy weather conditions, and at other times when additional precautions are required, the Camp Bullis Commander may: restrict use of such flammable munitions as pyrotechnics, demolitions, tracers, and white phosphorous and illuminating combustibles.

g. Lighted smoking materials and matches will not be thrown from vehicles. All cigarettes will be properly extinguished and field stripped. Smoking is prohibited while driving a military tactical vehicle.

h. There will be no campfires or burning of trash in the training areas. All trash will be transported for disposal in the trash dumpsters.

i. All units conducting training at Camp Bullis will maintain a continuing program of educating personnel in fire prevention, reporting of fires and fire fighting. The following points will be emphasized:

(1) Training units will appoint a unit fire marshal on orders, IAW FSH Reg 420-5 and AR 420-90.

(2) Units may draw additional fire extinguishers from the Camp Bullis Fire Station for use in the billet area.

(3) All flammable materials, such as grass and leaves, must be cleared at least 15 feet from demolition pits.

(4) There will be no smoking within 50 feet of ammunition or petroleum

products.

(5) Paint and other flammable material will be stored only in an approved metal wall locker that is securable. All lockers will be marked as follows: Flammable--No Smoking within 50 Feet.

j. Pyrotechnics.

(1) Use of pyrotechnics will be coordinated through Camp Bullis Operations on the day of use. Weekend use may be coordinated on Friday. There will be NO blanket approvals for extended periods.

(2) During dry, windy weather, pyrotechnics become a fire hazard. When fire hazard conditions exist, units previously granted authority to use pyrotechnics may be notified of removal of that authority. Notification will be provided to training units via Camp Bullis Operations. The use of pyrotechnics will be addressed on the Risk Management Worksheet.

(3) Booby trap simulators and trip flares present extreme fire hazards and are not permitted on Camp Bullis. (i.e., Tracers, signal flares and illumination flares.)

k. Paragraph 10-3, governs camping and picnic fires on Camp Bullis.

6-9. AMMUNITION AND EXPLOSIVES. The removal of any ammunition from Camp Bullis, whether training or live, is strictly prohibited and punishable under law. The Commander, USAG, FSH, will ensure compliance with the provisions outlined in paragraph 2-10, AR 385-63.

a. Unexploded ordnance (UXO). Because of Camp Bullis history as an artillery range, there is a large quantity of UXO not only in the impact area, but also throughout Camp Bullis. Any type of UXO, flare, simulator or unidentified object, should be considered extremely dangerous. If any type of UXO is found, the location should be marked and reported to Camp Bullis Operations, immediately. Camp Bullis Operations will request EOD support for the removal/destruction of any UXO found on post. Mark the spot with any suitable material, no closer than 10 meters to the UXO, so that EOD will be able to find it. In no case will the suspected UXO be handled, moved, or disturbed in any way.

b. Pyrotechnics.

(1) Pyrotechnics will be used only for the purpose for which they are designed.

(2) Signal flares will not be fired at people, tents, vehicles or aircraft.

(3) Hand-held pyrotechnics will not be armed before use.

(4) Booby trap simulators and trip flares are not allowed on Camp Bullis. Tracers, signal flares and illumination flares.

(5) Red smoke will be used only to signal an emergency. It will not be used to simulate a training emergency. Red smoke that has not been used for an emergency will be returned to the ammunition supply point (ASP).

c. Simulators. Personnel will:

(1) Follow detailed instructions for the use and the safety precautions provided with each simulator.

(2) Observe the minimum safety distances printed on the package or simulator. Hand-held (hand grenade and artillery) simulators, however, will not be detonated within 25 meters of unprotected personnel, vehicles or buildings (excluding MOUT facilities).

(3) Not throw simulators directly at people, tents, or vehicles. The fragment hazard distance for M115A2 simulators is 25 meters. Only designated and authorized personnel may use M115A2 simulators. The experience level of the personnel in charge of the device will be considered in the risk management process.

(4) Not place hand-held simulators on vehicles. A high surface temperature could ignite simulators.

(5) Never open a simulator or attempt to burn the contents.

(6) While units may be cleared by "Range Control" for use of pyrotechnics, each unit must make a risk decision based on the conditions of the training area and the experience level of its personnel. Approval of pyrotechnic operations does not relieve the unit commander of final responsibility for the safe use of any training aid.

6-10. AMMUNITION STORAGE AREA.

a. If training requires the use of high explosive (HE) type material, the using unit will, after coordination with Camp Bullis Operations, bring in the quantity required, and store it under proper security on the range where it is to be used, until the material is expended during the course of training. Camp Bullis Operations will be notified prior to ammunition storage.

b. Security of the ammunition storage area is the training unit's responsibility. All storage operations will be IAW AR 190-11, Physical Security of Arms, Ammunition, and Explosives.

c. Field storage of ammunition is also authorized, but must be accomplished IAW appropriate regulatory procedures.

6-11. CARE IN HANDLING AND PRESERVATION OF EXPLOSIVES.

a. Explosives and ammunition will be carefully handled and transported. Containers will not be tumbled, dragged, thrown, or dropped on each other, rolled or walked over the floor, or dropped from tailgates of trucks. Ammunition will be loaded and blocked to prevent damage to ammunition and vehicles.

b. Personnel handling ammunition must not tamper with the components, unless specifically authorized to do so.

c. Only non-ferrous or other non-sparking (i.e., bronze) tools or equipment will be used in conjunction with explosives. Safety tools are

required when opening boxes for repairs.

d. Ammunition will be protected from direct sunlight and the elements and dunnage will be used when stacked on the ground to prevent dampness. Use of tarps is recommended for protection of all munitions.

e. The safety precautions contained in AR 385-64, U.S. Army Explosives Safety Program, will apply at ammunition points.

f. Ammunition to be fired will be removed from sealed containers and protected from adverse weather elements, to include the direct rays of the sun, as much as possible. Ammunition will not be removed from sealed containers any earlier than is necessary to prepare it for firing. This includes inspection and maintenance. Pre-cutting of powder charges is NOT authorized.

6-12. TRANSPORTING EXPLOSIVES.

a. Explosives will be transported and handled only under the direct supervision of competent and qualified personnel who are thoroughly familiar with the safety provisions listed in AR 385-63, AR 190-11, FM 5-250, Explosives and Demolitions, this regulation, and FMs for specific weapons.

b. All appropriate Department of Transportation (DOT) regulations will be adhered to.

c. Vehicles transporting explosives off post will carry "EXPLOSIVE" signs on the front, rear, and each side of the vehicle.

d. Signs will be covered or removed when vehicles are not carrying explosives. Trucks loaded with explosives will not be brought into the cantonment area.

e. Vehicles transporting ammunition must meet the requirements outlined in AR 385-64 and FMs for specific weapons.

f. Tarpaulins, though not required, are highly recommended to cover ammunition being transported in combat vehicles on the reservation.

g. Government vehicles involved in on-post shipments of ammunition/explosives shall be equipped, as a minimum, with two Class 10-BC rated portable fire extinguishers; one mounted outside the driver's side of the vehicle and the other inside the driver's compartment.

g. Unless an organization has a specific training requirement necessitating field ammunition storage, such storage areas will not be established.

i. Ammunition will be controlled IAW AR 190-11.

6-13. SAFETY GUIDELINES, RANGE OPERATIONS.

a. The commander, who is the principal training officer of his/her unit, will have overall responsibility for safety at the firing point or range. The OIC will have a written Risk Management/Assessment available for inspection and will ensure that all safety officers are familiar with the risk level of training being conducted, safety requirements regarding the

care and handling of any ammunition being used, and of any other pertinent safety precautions.

b. No one will be allowed forward of the firing line without first obtaining clearance from Range Control. Personnel will not be allowed down-range on ranges where dud-producing munitions have been fired.

c. Weapons will be inspected immediately prior to firing to ensure all chambers and bores are free of obstruction.

d. Range safety personnel will inspect weapons after each cease-fire, to ensure all weapons are cleared.

e. No weapon will be removed from the firing line or position until it has been cleared and placed in a safe firing position with the bolt or breech open.

f. When weapons on the firing line are not being fired, they will be cleared and placed in the safe position. Bolts will be locked open and weapons will be pointed down-range.

g. Prior to departure from the range, a brass rod will be passed through the bore of each weapon; and the weapon will leave the range with the bolt open. Cleaning rods, though commonly used, may scratch the weapon barrel. Brass welding rods are a good alternative.

h. Weapons will not be taken forward of the established firing line, except when specifically authorized by the OIC. This includes ranges where personnel are required to move forward and fire at targets, score targets, and as required by the training program.

i. No one will be permitted forward of the firing line until all weapons have been cleared, placed in the safe position, checked by competent personnel, and then only after orders have been issued by the OIC.

j. Demolition pits will be inspected prior to commencement of firing to ensure no foreign debris is present.

k. The unauthorized removal of live ammunition from the firing line or unauthorized removal of material, component parts of projectiles, or other objects from the ranges will be considered a serious offense and appropriate disciplinary action will be taken against violators. POVs will not be used to transport military ammunition or weapons.

6-14. SAFETY OFFICER REQUIREMENTS AND RESPONSIBILITIES, RANGE OPERATIONS.

a. The OIC/RSO will ensure all safety measures are taken, including, but not limited to the following:

(1) Assistant RSOs are appointed by the range RSO. There should be 1 assistant RSO for every 4 firing positions that are being used.

(2) A qualified radio telephone operator is present on the range at all times.

(3) Communications are maintained with "Range Control" on ranges and maneuver/training areas. Failure to maintain communications will constitute

justification to close the range/training/maneuver area. Preferred time for hourly radio check is at the top of the hour. Hourly radio checks will begin when the range is issued to the user.

(4) Range regulations for the particular range are understood and followed.

(5) Ammunition is stored and handled properly.

(6) All troops have the proper equipment and uniform (Kevlar and LCE). All range personnel must be instructed on safety procedures.

(7) Range property and equipment are not damaged or removed and no unnecessary damage is caused by firing.

(8) Necessary warning devices are used.

(9) A red streamer is on the range flagpole during all firing. Red lights will be used during the hours of darkness.

(10) No marker, tower, triangulation stations, gun positions, observation posts, Corps of Engineers markers, United States Coast and Geodetic Survey (USC&GS) markers or buildings are fired on, or otherwise destroyed or damaged.

(11) No one is allowed down-range unless approved by Camp Bullis Operations.

(12) No one is permitted forward of the firing line until all weapons have been cleared, placed in the safe position, and checked by the RSO or assistant RSO, and then only after orders have been issued by the OIC. The OIC must ensure that personnel moving down-range to check targets will not enter the danger surface zone of any other firing range. The OIC will ensure no one touches a weapon while personnel are forward of the firing line.

(13) Weapons are not taken forward of the established firing line, except when specifically authorized by Camp Bullis Operations.

(14) A "cease-fire" is directed when unsafe acts are observed or when ordered to do so by the SO or by Camp Bullis Operations.

(15) Before departing for the range, the OIC/RSO will report to Camp Bullis Operations and receive a safety briefing. In addition to the safety briefing, SOs will read, understand, and comply with this regulation, AR 385-62, AR 385-63, appropriate Field Manuals and Technical Manuals that pertain to weapons and ammunitions.

(16) This regulation, and the following equipment are available for use on the firing position for safety purposes:

(a) Range flag.

(b) Appropriate weapon Technical Manuals and Field Manuals.

(c) Range Book.

b. Upon completion of range firing the OIC/RSO will ensure:

(1) A 100 percent accountability inspection of all ammunition is done when firing is completed.

(2) The range area is policed just prior to departure, to include removal of field wire, trash, target material, expended brass and all packaging materials. (See Chapter 5, Police, Sanitation, and Environmental Protection Requirements.)

(3) All foxhole covers are in place, with a minimum of two sandbags stacked neatly on top.

(4) Sandbags are filled when necessary.

(5) All range property is returned to Camp Bullis Operations immediately after closing the range.

(6) All damaged or inoperative range equipment is reported.

6-15. MALFUNCTION, MISFIRE, AND HANG-FIRE, RANGE OPERATIONS.

a. Safety procedures. When a weapon fails to fire, all personnel concerned must follow specific procedures depending on the type of weapon being fired, and/or the condition of the tube (hot or cold), if applicable. The range OIC must know the misfire procedures, and must apply appropriate procedures in case of a misfire in order to afford maximum safety. Malfunctions in the firing of ammunition, such as misfires or hang-fires, are defined and discussed below.

b. Definitions and immediate actions.

(1) Hang-fire: Undesired delay in the functioning of a firing system. The unit will wait the prescribed time as noted in the applicable TM, then will take action IAW the TM.

(2) Misfire: Failure of a round to fire or explode properly. Failure of a primer or the propelling charge of a round or projectile to function wholly or in part.

(3) Dud: Explosive munitions, which has not been armed as intended or has failed to explode after being armed. Also, a round that has gone down-range or a round of unknown origin and has failed to explode.

WARNING: If a unit is throwing grenades, smoke grenades or simulators, and one is a dud, that lane, and the lanes next to it will be shut down and EOD will be called. There will be a one-hour wait before EOD personnel can go down-range to handle the dud.

c. Malfunction. In the event of a malfunction, other than routine, the SO/NCO will:

(1) Take the prescribed actions set forth in applicable Technical Manual and Field Manual for the weapon being fired, and notify "Range Control" of the malfunction, and the actions taken.

(2) Immediately suspend firing.

(3) Ensure the weapon and ammunition involved are retained intact.

(4) Notify "Range Control" of actions taken. Camp Bullis Operations will request EOD assistance, as needed.

(5) Discontinue exercise/problem until clearance has been granted by the range operations officer or a designated representative.

(6) If appropriate, immediately report malfunction IAW AR 75-1, Malfunctions Involving Ammunition and Explosives to the Ammunition Officer, RLBC, FSH, 221-5847.

d. Cease firing. Cease firing is a command normally given by the range OIC; however, in an emergency it may be given by anyone present. At this command, regardless of the source, firing will cease immediately.

WARNING: In the event a weapon fails to fire, keep the weapon aimed at the target. Personnel will stand clear of the muzzle.

6-16. EOD SERVICE.

a. Disposal of dud ordnance. Duds that are discovered on ranges or in the training areas will be clearly marked and the coordinates reported to the Operations Branch. Under no circumstances will duds be moved, picked up, or disturbed in any way.

b. Misfires. Management of misfires is the responsibility of the using unit and will be accomplished IAW the appropriate weapons TM. Misfires will be separated from unused ammunition and brass, and turned in through appropriate supply channels.

6-17. SAFETY LIMITS, RANGE OPERATIONS. Safety limits on any direct fire range are the greatest degrees to the right or left that a weapon is allowed to fire. The safety limits for each direct fire range are marked with panels or markers.

a. The right safety panel or marker limits the right angle of fire of the weapon on the right-most firing point in relation to the right-most target. The left safety panel or marker limits the left angle of fire in exactly the same way as the right. On ranges with established firing lanes, personnel must fire in the lane assigned to their firing point.

b. Left and right range limit lights for night firing. No night firing from direct firing positions will be conducted on Camp Bullis until the left and right range limit lights (red light) have been emplaced, lighted and are visible to all firers. A range light (red light) will be placed on the range flagpole and will be lit while the range is in a "HOT" status.

c. Erratic firing. Immediate action will be taken to report any projectile that bursts or lands outside the prescribed safe limits of any Camp Bullis range facility. Those range limits are identified as part of every unit's in-briefing upon arrival at Camp Bullis.

(1) Anyone detecting rounds impacting outside of safe limits or out-side of the established impact area, will cause the responsible unit to suspend firing and immediately report the incident to "Range Control." The

report will include:

- (a) Date and time the erratic round was observed.
- (b) Extent of injury or damage, if any.
- (c) Number of rounds observed.
- (d) Location of impact.
- (e) Location, name and unit of observer.

(2) The range OIC will:

- (a) Order an immediate cease-fire of all units. If appropriate, the Commander, Camp Bullis, and the RLBC, will be notified of the cease-fire.
- (b) Analyze available facts and data to determine the suspect unit.
- (c) Require a technical service investigation if ammunition or weapon malfunction is suspected.
- (d) Prepare a preliminary report of investigation.
- (e) If appropriate, report the incident to the major command headquarters of the suspect unit and require an investigation be conducted. A written report of the investigation will be submitted to this headquarters, ATTN: MCCS-BCB, within 24 hours of completion of the investigation.
- (f) If appropriate, interim reports will be provided to the RLBC, as required throughout the investigative process.

(3) SOs will:

- (a) Suspend firing immediately. Check firer's orientation for small arms ranges.
- (b) For crew served weapon systems, immediately have personnel fall in at the rear of their weapons and ensure all weapons and associated equipment/material remain untouched. No ammunition will be disturbed until clearance has been given by the Operations Officer, Camp Bullis. Also, if appropriate, collect all firing data from the weapons and fire direction control (FDC), and provide this information to Camp Bullis Operations.

(4) If appropriate, as determined by the Commander, Camp Bullis, an investigating officer will be appointed by the major unit commander. The investigating report will include, but will not be limited to the following:

- (a) Description of circumstances.
- (b) Unit involved.
- (c) Date and time of the incident.
- (d) Type and caliber of weapon involved.
- (e) Lot number, nomenclature, and number of both projectile and

fuse, if applicable.

(f) Description of the incident.

(g) Description of procedures followed by OIC, SO, and other personnel involved.

(h) Name and rank of OIC and SO/NCOs.

(i) Command safety summary.

(j) Qualification prerequisites for appointment as OIC.

(k) Duties of SO/NCOs (i.e., SOP).

(l) Conclusion. The conclusion will list all corrective actions taken by the unit to prevent future occurrences. It may also include any recommended actions by the unit. All corrective actions and recommendation statements must be signed by the major unit commander.

(5) All preliminary reports of erratic firing will be submitted, in triplicate, to Commander, Camp Bullis, ATTN: MCCA-BCB, within 24 hours of notification. Camp Bullis has the right to reject any incomplete or unsatisfactory investigative reports. Units will not be allowed to resume a "HOT" firing status on the range involved until a satisfactory report has been received by the Commander, Camp Bullis.

(6) Investigating officers may obtain assistance by contacting Camp Bullis Operations.

(7) Continuation of an exercise can only be authorized by the Commander, Camp Bullis.

6-18. HEARING HAZARDS. Commanders at all echelons are responsible for implementing the requirements set forth by AR 40-5, Preventive Medicine, on hearing conservation. Unit commanders will ensure all personnel have in their possession appropriate protective devices. The OIC and SO, will ensure the provisions of AR 385-63, are met, by requiring all personnel in the vicinity of their range or firing point to use hearing protective devices during all firing.

6-19. AGGRESSOR ACTIONS. Any unit or testing team using aggressor personnel for field exercises will comply with the following:

a. Agents CS or CN or nuclear simulators will not be used without the prior approval of the Commander, Camp Bullis.

b. A definite schedule will be planned for aggressor attacks. There will be no bodily contact or personal assaults, such as throwing rocks, use of rifle butts, fights, etc., between the aggressors and the unit. There will be no mistreatment of "captured" personnel by either side, at any time.

c. The OIC of the aggressor actions will ensure there are no individual/undirected actions by aggressor personnel.

d. The OIC of the aggressors must have a radio tuned to the frequency of the exercise director.

e. All personnel will be accounted for by name at the conclusion of the exercise.

f. No aggressor activity will be permitted within the impact area.

g. Smoke grenades and other spark producing devices will not be used, unless previously authorized by Camp Bullis Operations.

h. Blank cartridges will not be fired at any individual at a distance of less than 10 meters.

i. The OIC of aggressors will not carry a weapon and will not actively engage in aggressor actions. The principal function of the OIC is to ensure that all safety requirements listed herein and in applicable regulations are followed.

j. Aggressors will not barricade or otherwise impede traffic on Camp Bullis roads or tank trails unless previously authorized by Camp Bullis Operations.

k. All trash and expended materials used in aggressor actions will be policed and removed upon completion of the exercise.

6-20. USE OF BLANK AMMUNITION.

a. Troops using blank ammunition will be instructed that such ammunition is dangerous at close range. Ten meters is the minimum distance at which 7.62mm and 5.56mm blank ammunition may be fired at personnel.

b. Use of blank ammunition in hand-to-hand training is prohibited.

c. Pyrotechnics are prohibited in the cantonment area at all times.

WARNING: Blank ammunition will not be issued, transported, or stored at the same time or place as ball or tracer ammunition.

6-21. WEATHER HAZARDS AND HEAT INJURIES.

a. During adverse weather, numerous hazards can develop. Camp Bullis Operations will make every effort to monitor the weather situation and provide weather advisories to units in training.

(1) Lightning. When an electrical storm is observed within a five-mile radius all training or outside work will cease. Distance from lightning may be calculated using the Flash: Bang method. For each 5 seconds after lightning is observed and before thunder is heard, the unit or person is one (1) mile away from the lightning originating point. Personnel will seek shelter, optimally a wired and plumbed building. A metal vehicle (no soft top) may be an alternate shelter. If caught in the open, personnel will get away from metal tools and weapons. If operating a radio, advise Camp Bullis Operations you are shutting down, turn off radio, disconnect any external antennas, and move away from the radio. All groups of soldiers should spread out. If in an open area, move away from metal equipment, crouch with hands on thighs over ears. Do not place hands on the ground. If in a wooded area, soldiers should also move away from metal equipment and position themselves under the lowest trees in the area -- never under tall

trees. If possible, stay at least 5 meters from the bole of any tree.

(2) Tornadoes. When a funnel cloud is spotted or a tornado warning is issued, the following should occur: If outside, try to find the lowest point (i.e., ditch, creek-bed or hole), time permitting, and take cover. If in a vehicle, do not try to out-run the storm; take cover as above. If in a building, move away from windows and seek cover under a desk, mattress or in an interior doorway.

(3) Floods. Seasonal heavy rains create an extreme flash flood hazard on Camp Bullis and in the surrounding region. Each year in this area lives are lost to drowning. Most of these occur at low-water crossings where water is channeled, moving rapidly and with great force. Vehicles and individuals are often swept away as they attempt to cross. As potential flooding develops, units should move from low-lying areas and avoid crossing low-water sites. Main roads are subject to flooding; however, the flood areas last for short duration. It is recommended to wait 1 or 2 hour(s) until flooding subsides.

b. Heat injuries. The three types of heat injuries are: Heat cramps, heat exhaustion, and heat stroke. All personnel must be trained to recognize the symptoms of all three injuries. While the first two are not fatal, the last can be. When it is determined to be a heat stroke, it must be treated as a medical emergency and evacuation must take place as soon as possible (see Appendix G, Prevention of Heat Injuries). See FSH Reg 40-6, Prevention of Heat Injury, for more detailed information on heat injuries.

(1) A wet bulb reading can be obtained from Camp Bullis Operations, on FM 34.20 (call sign - "Range Control").

(2) "Range Control" will issue warnings to all units when a new wet bulb reading is received.

(3) Obtain the Wet Bulb Globe Temperature (WBGT) by calling, 295-7608.

(4) Each unit should monitor WBGT in its own location. Microenvironments in the Camp Bullis area may be in a different WBGT category, either allowing more training or requiring training to be adjusted earlier than the Camp Bullis WBGT reading would suggest.

6-22. WILDLIFE HAZARDS.

a. There are numerous forms of wildlife on Camp Bullis, which can pose a safety threat to humans. Included are rattlesnakes, copperhead snakes, cottonmouth snakes, coral snakes, scorpions, black widow spiders, brown recluse spiders, and an assortment of animals, which may be infected with rabies.

b. Include wildlife hazards in your unit's safety briefing. Be sure to identify personnel with animal or plant allergies prior to going to the field.

c. Avoid inadvertent contact with the wildlife. Check and shake out clothing and boots before dressing. Watch where you step and watch where you sit. Do not attempt to feed, pet, play with, or molest the wildlife.

d. If bitten or scratched, report the incident and seek medical

assistance promptly.

e. Mosquitoes and ticks may also cause disease. Units must ensure insect repellent is available to its soldiers. Units will brief soldiers to relate possible exposure to mosquitoes and ticks as a possible source vector if flu-like symptoms occur within a month of any field problem.

6-23. CAVE HAZARDS.

a. There are numerous caves found on Camp Bullis which pose threats to humans. Several caves are deep enough (more than 50 feet), that anyone falling may be seriously or even fatally injured. In addition, some caves contain "bad" air that has carbon dioxide in high enough concentrations to cause loss of consciousness and death.

b. A cave safety briefing will be provided to all personnel training on Camp Bullis. This briefing should stress that at no time is good to enter any cave for any reason.

c. Persons entering caves should be reported immediately to Range Control. Do not enter a cave to look for someone believed to have entered a cave.

d. At no time should any material, refuse, vegetation, soil, rocks, or pyrotechnics be thrown into a cave. Failure to follow this directive will result in immediate expulsion from the installation.

6-24. LOST/MISSING PERSONS PROCEDURES AND REPORT.

a. The most effective measure that can be taken for lost or missing personnel is the establishment of sound "lost soldier" procedures and a thorough briefing of all personnel prior to the beginning of training.

b. The following should be used as the rule of thumb for establishing "lost soldier" procedures:

(1) Establish well-defined and easily recognized boundaries. Point these boundaries out on a map or other training aid such as a sand table, etc.

(2) Establish an emergency azimuth in a cardinal direction (0, 90, 180, or 270 degrees) that will move personnel away from the impact area and toward a major road/fire break.

(3) Lost personnel should normally not cross fences. They may end up in the impact area.

(4) Lost personnel should continue to move along their emergency azimuth until they reach a major road/fire break. DO NOT CROSS A ROAD. When reaching a road, they should remain there until a vehicle comes by to pick them up.

(5) Upon hearing a vehicle, lost personnel should shout at it, fire two to three rounds of blanks and generally make noise to attract attention. Consider issuing signal mirrors or whistles to soldiers prior to allowing them to depart on the exercise.

(6) Lost personnel should wave arms, white cloth, or reflective material at over-flying helicopters. A signal mirror or orange emergency panel may also be used. At night use a strobe, signal fire, flashlight, or glow stick, to attract aircraft or vehicles. (Ensure all fire starting safety precautions have been followed.)

(7) All personnel should begin training with at least one full canteen of water, a first-aid kit, and a working flashlight/glow stick. Other types of equipment that may be considered are a whistle and a signal mirror. If the training event is land navigation, a finish-time should be established.

(8) If an individual(s) is not finished with the course at the established finish-time, he/she should immediately take up the established "lost soldier" procedure, follow the emergency azimuth, move to a road and wait for pickup.

(9) All individuals participating in land navigation training should be issued a map with the impact area clearly marked. The procurement of these maps is a unit responsibility.

c. Upon discovery that a person is lost or missing, the training unit should take the following action:

(1) Camp Bullis Operations (call sign on the radio is "Range Control") will be notified when an individual is missing in the range/ maneuver areas in the vicinity of the impact area. Command and control for conducting the search will be assumed by the Commander, Camp Bullis, within 2 hours of being notified of the lost/missing soldier. Initially, all ranges will cease-fire and the unit will begin a search. **Camp Bullis range personnel will conduct the search for missing persons in the impact area.**

(2) Reports of missing/lost personnel should go directly to "Range Control." Camp Bullis Operations will notify the appropriate personnel.

(3) When it is evident the individual became lost in an area not included in the range impact area, a search party of such size as to thoroughly search the suspect terrain will be quickly organized and put into operation. **Do not send inexperienced personnel out to search** -- they may become lost themselves.

(4) When it is evident or suspected the individual is lost in or adjacent to the range impact area, clearance will be obtained from Camp Bullis Operations, prior to initiating a search of the suspect terrain.

(5) The senior commander involved will arrange position control and communications between the search group and the Operations Section.

(6) When the lost individual has been found, the Operations Officer, or a designated representative, will be notified immediately. Notification will include information on any searchers remaining in the impact area. Once the individual is found, action will be taken to expedite evacuation of the impact area, and a report will be submitted to the Operations Officer or representative.

6-25. AVIATION SAFETY. For information on aviation safety at Camp Bullis, refer to FSH Reg 95-1, Aviation General Provisions, Local Flight Rules and Flight Standardization and the Camp Bullis Air Operations SOP.

6-26. RAPPELLING SAFETY PROCEDURES.

a. Rappelling will be conducted only in areas that have been certified and inspected to be safe by Army engineers. As of January 1998, these areas are TA-11, Rappel Cliffs and TA-17, Rappel Tower. Coordination will be made through Camp Bullis Operations.

b. Units will coordinate medical support requirements prior to conducting training.

c. Accidents/incidents will be reported to "Range Control" FM 34.20, by the fastest means available. Reports will include:

- (1) Unit, date/time, and location of accident.
- (2) Name and grade of qualified trainer.
- (3) Personnel and equipment involved in accident/incident.
- (4) Mode of evacuation/transportation to hospital.

d. All injuries resulting from a fall from rappelling will be evaluated by a medical doctor.

e. Medical personnel with vehicle and equipment will be at the training site until the training has been completed. These medical personnel will not actively participate in rappelling training.

6-27. DZSO.

a. A DZSO will be used by all units whenever a DZ is active for parachute drops. For modular platform, container delivery system (CDS) and personnel drops, a DZSO will perform all safety functions. The DZSO must be jumpmaster qualified and ranked Sergeant First Class or above. The DZSO must conduct all operations IAW Camp Bullis Air Operations, SOP.

b. One hour prior to the scheduled aircraft time on target of any DZ, the DZSO will open the DZ with Camp Bullis Operations.

c. The DZSO will inform Camp Bullis Operations when the aircraft is 10 minutes out from the DZ. At this time Camp Bullis Operations will ensure the aircraft's line of flight is still clear.

d. The DZSO will maintain radio communications with Camp Bullis Operations during all operations.

e. At no time will the DZSO change the flight pattern or route (other than for minor corrections) of the aircraft after it has been established with Camp Bullis Operations. All flight patterns will be IAW the Camp Bullis Air Operations SOP.

f. Vehicles, other than those required for control purposes, will not be permitted on an active DZ during a parachute drop. The DZSO will ensure the DZ is clear of all other vehicles well in advance of a scheduled drop and that they remain clear until all parachutes have landed. All POVs are strictly forbidden on the DZ or any other range facility or location, unless

specifically authorized by Camp Bullis Operations.

g. At the completion of the activity, the DZSO will close the DZ with Camp Bullis Operations and give all requested information prior to discontinuing communications.

h. The DZSO is responsible for the policing of the DZ and surrounding area, prior to clearance.

i. All DZSOs will report to Camp Bullis Operations prior to any operation for a safety briefing and to obtain barriers and signs for the DZ.

6-28. PREVENTIVE MEDICINE SERVICE.

a. Prior to training at Camp Bullis, units must contact the Preventive Medicine Service at Fort Sam Houston, at 295-2500. It is imperative units training at Camp Bullis are supplied with the proper training and equipment to prevent climatic injuries, water, and food-borne illnesses.

b. The Preventive Medicine Service provides inspections, consultation, and training in the following areas: Water testing and analysis, food sanitation, climatic injury prevention and WBGT conditions, and heat index readings and recommendations. (Reference: Appendix K-1).

**CHAPTER 7
COMMUNICATIONS**

7-1. COMMUNICATIONS.

a. All units training outside the cantonment area or on firing ranges must maintain communications at all times with "Range Control." The Camp Bullis Operations call sign is "Range Control," FM 34.20 (new squelch on).

b. All aircraft operating in airspace over Camp Bullis will maintain communications with "Range Control" on UHF 226.3 (primary) or FM 34.20 (alternate). All air operations must be conducted IAW Camp Bullis Air Operations SOP and FSH Reg 95-1, Aviation General Provisions, Local Flight Rules, and Flight Standardization.

c. Units firing must provide Camp Bullis Operations with FM communications or another form of communications (hand-held radio, etc.) and an operator prior to range going HOT.

(1) Primary means: FM communications or another form of radio.

(2) Alternate means: Cellular phone.

(3) Taping or splicing into wire circuits or displacing permanent lines is not authorized.

(4) Stringing wire on permanent poles or burying lines across improved roads is prohibited.

(5) Wire may be installed in overhead positions over roads, provided it is placed a minimum of 18 feet above the roadway and marked with engineer tape where wire leaves the wood line and at two places either side of the roadway center.

(6) Wire will not be suspended overhead in open areas where it presents an extreme hazard to helicopters.

(7) Wire referenced in sub-paragraph (6), above, will be removed when training has been completed.

(8) Wire is not authorized anywhere within the cantonment area.

(9) Communications with "Range Control" are required during all firing/training. Units will not occupy ranges/maneuver/training areas or begin firing/training until communications are established. Units will cease fire/training upon loss of communications. Communications with "Range Control" are required during all movement off the hard surfaced range roads, whether it is for training, firing, maneuvering or reconnaissance. If units lose communications with "Range Control" they will cease their operations until communications are again established.

(10) Necessary repairs and installation of telephone communications to terminal connections at logistical facilities, ranges and training areas will be accomplished by the Information Technology Business Center (ITBC), upon request of Camp Bullis Operations, on DA Form 3938, Local Service Request.

(11) Using units will assign qualified operators to communications equipment, and will instruct operators to remain with the equipment at all times.

(12) As a minimum, on-the-hour communications checks will be initiated by units in maneuver/training areas to "Range Control."

d. Administrative telephones in maneuver/training areas are located in assigned unit headquarters buildings. Training unit commanders will ensure telephones are used for official business only.

e. Frequencies set aside for training unit's internal nets are IAW unit SOPs and Signal Operating Instructions (SOIs). Frequency assignment and coordination will be through the ITBC, Frequency Control Section, 221-1066.

**CHAPTER 8
ADMINISTRATIVE SUPPORT**

8-1. ADMINISTRATIVE REQUIREMENTS. Upon arrival of the training unit, the unit commander or operations, will initiate coordination with Camp Bullis Operations, building 6110.

8-2. COMMAND AND STAFF VISITS.

a. Commanders of units training at Camp Bullis will inform Camp Bullis Operations, prior to the arrival, and again upon the departure of any General Officer, Brigade Commander (O-6), General Staff, and/or civilian representative equivalent to general officer grade, who is visiting units in training.

b. The Camp Bullis Operations will be notified of any comments or observations that concern Camp Bullis facilities, personnel or procedures that are made by these personnel, so the information may be passed on to the Commander, Camp Bullis.

c. Transportation for visiting dignitaries is the responsibility of the unit being visited.

d. General officer vehicle standards or flags are not available at Camp Bullis.

8-3. STANDARDS OF APPEARANCE AND CONDUCT.

a. Unit commanders will ensure that their personnel comply with the standards of appearance and conduct outlined in AR 600-8-1, Army Casualty Operations/Assistance/Insurance and AR 670-1, Wear and Appearance of Army Uniforms and Insignia while at Camp Bullis.

b. Consumption of alcoholic beverages in the maneuver/training/range areas, hutments, latrines, administrative facilities, and classrooms is strictly prohibited.

c. Consumption of alcohol in park or recreation areas must be approved by the AMEDDC&S Commanding General (CG).

8-4. PERSONNEL SERVICES. The following personnel services are available at Camp Bullis:

FACILITY:	LOCATION:	TELEPHONE:	*HOURS:
EXCHANGE	Bldg 5112	698-1183	Posted on Facility
BARBER SHOP	Bldg 5112	698-1183	
By appointment for unit.			Posted at Facility
THEATER	Bldg 5900		

Schedule usage thru Camp Bullis Operations using CSFS FORM 2070 (See Appendix A.)

FACILITY	LOCATION	TELEPHONE	*HOURS
RECREATION CENTER	Bldg 6000	295-7582	

Schedule usage thru Camp Bullis Operations using CSFS FORM 2070 (See Appendix A.)

OUTDOOR RECREATION CENTER: Hours vary depending upon season. Serves as the POC and coordinator for all hunting and fishing activities on Camp Bullis, including a variety of other outdoor recreational assets and activities, 295-7529/7577.

8-5. CHAPLAIN. The Camp Bullis chapel is located in building 5904 and is available upon request with Camp Bullis Operations using a CSFS 2070 (See Appendix A.) Units in training must provide their own chaplain support or coordinate with the Chaplain's Office, building 2200, FSH, 221-3768/6688, for the conduct of religious services.

8-6. AMERICAN RED CROSS (ARC). Personnel undergoing training at Camp Bullis and requiring Red Cross assistance, should contact one of the following field offices:

- a. Fort Sam Houston ARC: 221-6271; after duty hours: 826-8611.
- b. Lackland AFB ARC: 671-3381.

8-7. LEGAL ASSISTANCE. Personnel in training at Camp Bullis requiring legal assistance should contact the Legal Assistance Officer, FSH, 221-6203/2353, for an appointment.

8-8. OFF LIMITS AND RESTRICTED AREAS. The following areas are off limits to entry and training.

- a. Range impact area.
- b. Federal Aviation Agency facilities (NH 427840 and NH 428853).
- c. Reservoirs and wells.
- d. Camp Stanley.
- e. Archaeological/historical resources. Disturbance of archaeological or historical sites, to include arrowhead hunting or artifact hunting with metal detectors is strictly prohibited by Federal law and Army regulations. If such a site is located or encountered during the establishment of a bivouac or tactical position, the unit will relocate and the site will be reported to the Land Manager, Camp Bullis Operations.
- f. Endangered species nesting habitat. Flagging or posted signs may identify critical habitat used by federally protected species. If such marked areas are encountered during the establishment of a bivouac or tactical position, the unit will relocate to a different area.
- g. Cultivated areas.
- h. All buildings and areas not directly related to unit training.

- i. Windmills.
- j. Helipads (Headquarters, Cunningham Hill, DEPMEDS).
- k. Southwestern Army Reserve Intelligence Support Center.
- l. Water Treatment Plant.
- m. Sewage Treatment Plant.

n. The above requirements also apply to units or individuals conducting physical training (PT) (jogging). Authorized jogging areas are identified and available for dissemination from Camp Bullis Operations, building 6110. At no time will units or individuals go into **Off Limits** areas. Only assigned personnel and occupants of the particular facility are authorized in the areas of that facility. In accordance with FSH Reg No. 12, Running Safety, the following rules apply:

(1) Unit commanders will:

(a) Enforce installation policies and regulations regarding safety for troops running in formation.

(b) Ensure all personnel are aware of where to run and what to wear.

(2) Individual joggers will use parade and PT fields when possible.

(3) When running on authorized roads, joggers will:

(a) Wear appropriate bright colored clothing and/or fluorescent or reflecting personal protective equipment during periods of reduced visibility. Do not use headphones or earphones.

(b) Not run on roads when/where running is prohibited.

(c) Cross intersections and roads at the location of traffic control devices or marked crosswalks when available. When signals and crosswalks are not available, yield to traffic.

(d) Observe all pedestrian control signals described IAW FSH Reg 190-5, Motor Vehicle Traffic Code.

(e) Run in the opposite direction of traffic flow when not running as part of a formation.

(4) Groups of six or more will be considered a formation and will observe the following:

(a) A minimum of two front and two rear road guards wearing reflective equipment will be employed in all formations. Persons in charge of formations are responsible for ensuring road guards are properly posted to the front and rear of running formations, astride the formation, halting the traffic as roads are crossed.

(b) All road guards and/or personnel running outside the mass of a formation will be equipped with functioning flashlights during all runs conducted during the hours of darkness or other times of reduced visibility.

The hours of darkness are established as the time between 1/2 hour after sunset and 1/2 hour prior to sunrise the next day.

(c) Formations will remain on the road shoulder outside the flow of traffic.

(d) Personnel in charge of each formation are responsible for directing and assisting vehicles to pass the formation from the front or the rear.

8-9. TRESPASSING.

a. Entrance into the ranges or training areas is prohibited without the specific approval of Camp Bullis Operations. No breaches to ranges or training areas will be made. Cutting locks or fences to enter or exit will constitute trespassing and units will be held liable for damages.

b. Privately owned vehicles are not authorized in the training areas without approval from Camp Bullis Operations. Any personnel found in the training areas without authorization will be detained and reported to Camp Bullis Operations by radio or telephone. Local MP will be dispatched to take custody of the individual(s).

8-10. PHYSICAL SECURITY. MP support is provided at Camp Bullis by a small detail. If required, the FSH Provost Marshal (PM) may task other MP assets at FSH or units on Camp Bullis for additional assets.

a. Physical security of unit property, to include arms, ammunition, and explosives (AA&E), vehicles, communications equipment and other sensitive materials, is the responsibility of the individual training unit, and will be completed IAW AR 190-11, Physical Security of Arms, Ammunition, and Explosives, AR 190-13, The Army Physical Security Program, AR 190-51, Security of Unclassified Army Property, Field Manual 3-19.30 Jan 2001, Physical Security, and other applicable regulations.

b. Any loss of AA&E, vehicles or other sensitive items will be reported immediately to the MP and Camp Bullis Operations.

c. Training units are subject to unannounced physical security inspections conducted by installation PM representatives.

8-11. PROVOST MARSHAL.

a. Local MP support is limited at Camp Bullis. Therefore, using units on specific occasions may require additional MP support.

b. Units requiring MP assistance will call 295-7557. If emergency assistance is needed, dial 911.

c. Speed limit signs are clearly marked on the main thoroughfare and in the cantonment area. The maximum speed in the training area is 25 mph or as posted. The speed limit on unimproved roads is 15 mph. The exception is the blacktop roads in training areas where the speed limit is 25 mph or as posted. The speed limit is 10 mph when troops are present. Violators are subject to appropriate administrative or disciplinary action.

8-12. CAMPING. Camping is limited to primitive campsites. Requests for camping should be submitted to the Outdoor Recreation Center, Camp Bullis.

8-13. WOODCUTTING. Woodcutting is allowed by PERMIT ONLY. Permits are issued by the Outdoor Recreation Center, Camp Bullis.

8-14. MAINTENANCE FACILITIES, WASHRACKS, AND VEHICLE PARKING.

a. Maintenance facilities. Units are required to provide their own maintenance personnel, tools, prescribed load list (PLL) items, and repair parts for repair of their assigned equipment.

b. Washracks.

(1) The washrack located at Camp Bullis Motor Pool is available for use by training units on request and prior coordination with E Company, Academy BN. Units are responsible for ensuring that the washrack is thoroughly cleaned after use and all trash is placed in the receptacles provided.

(2) Under no circumstances will vehicles be washed in billet areas, training areas, around dining facilities or at the water point. Violators will be reported through appropriate command channels for necessary corrective action.

c. Vehicle parking.

(1) Tactical wheeled vehicles will be parked in the vicinity of troop billets, as designated in this regulation.

(2) All track vehicles will be parked behind Camp Bullis Motor Pool or as designated by Camp Bullis Operations.

(3) Privately owned vehicles are not authorized in the administrative building or hutment areas or parked on grassy areas adjacent to buildings. Privately owned vehicles can be parked in the parking lot next to building 5000. Permanent party personnel will park in designated parking areas. Posted "No Parking" areas will be enforced by Camp Bullis MP.

(4) No vehicles will be parked between buildings, next to buildings, within 15 feet of any fire hydrant or 25 feet of any propane tank or on/along roads in the cantonment area, except in designated parking areas.

(5) Security of vehicles is the training unit's responsibility. At no time will a vehicle be left unattended and unsecured while a unit is training at Camp Bullis. Violators will be cited by the MP, and a report forwarded through appropriate command channels for necessary corrective action.

8-15. ADMINISTRATIVE SUPPORT FROM FSH. Units requiring administrative and/or logistical support from FSH should establish required accounts through the following coordination:

a. Active components. All requirements should be coordinated with Plans and Operations Division, RLBC, 221-2836, DSN 471-2836, a minimum of 90 days prior to scheduled training.

b. Reserve components. All requirements should be coordinated with RLBC, ATTN: MCCS-BRL-TN, 221-2836, DSN 471-2836.

8-16. EMERGENCY WORK REQUESTS. In the event a training unit has an emergency work request, it should contact the following agencies for assistance:

a. During duty hours: 0730-1600, Monday thru Friday, contact the Supply Section, 295-7701/8020.

b. After duty hours and Saturday, Sunday, and Holidays: Camp Bullis Operations, 295-7510.

**CHAPTER 9
LOGISTICAL SUPPORT**

9-1. COORDINATION PROCEDURES. Units requiring logistical support (i.e., billets, dining facilities, administrative buildings, and latrines) should submit their request IAW Chapter 3 of this regulation. The Supply NCO or a designated representative with an advance party (to include sufficient personnel and a mess team), should be dispatched to Camp Bullis, to ensure that necessary buildings and equipment are drawn, and that they are in an operational status prior to the arrival of the unit. Units will only sign and clear during supply normal operation hours with prior coordination. Units needing to clear during normal operation hours are required to receive permission and pay all cost associated.

9-2. TROOP BILLETING, CLASSROOMS and ADMINISTRATIVE SPACE. The following troop billeting and administrative facilities are available for use by units training at Camp Bullis:

- a. Hutments, capacity - 12 personnel per hutment.
- b. Classrooms/administrative buildings.
- c. Units are required to provide their own cleaning supplies (i.e., mops, brooms, bathroom tissue, etc.) to maintain billeting and dining facilities while at Camp Bullis.
- d. All buildings will be thoroughly cleaned prior to unit being granted final clearance.

9-3. DINING FACILITIES.

- a. The dining facility, located in building 5124, is available for issue to training units. This facility is fully equipped (minus rations and personnel) for operation.
- b. Units must provide their own cooks, kitchen police (KPs), cleaning supplies, and rations needed to prepare their meals and maintain these facilities while in use.
- c. Dining facilities will be thoroughly cleaned and tile floors waxed and buffed prior to unit being granted final clearance.
- d. For trash and waste disposal, see Chapter 5 of this regulation.

9-4. CLASS I SUPPORT FROM THE INSTALLATION DINING FACILITY.

- a. If training units wish to receive Class I support from the installation's active dining facility (building 5107) rather than being issued and operating their own facility, units must request that support by calling RLBC, 221-5929/5891/5505.
- b. The installation dining facility is manned and equipped only to support Camp Bullis tenant activities. Accordingly, approval to support other activities is an exception to their daily requirements; therefore, such approvals are limited. Units given approval to use the installation dining facility may be required to furnish cooks, KPs, and head-count.

c. Active units/activities.

(1) Tenant units/activities normally supported by the USAG dining facility will forward their requests to Active Component and Reserve Component, Training Division, RLBC, ATTN: MCCS-BRL-SV, FSH, TX 78234-5002, NLT 30 days in advance of the requirement.

(2) Tenant units/activities normally supported by dining facilities #1, #2, or #3 will forward their requests 30 days in advance of the requirement. Tenant units/activities supported by dining facility #4, Camp Bullis, will forward their request 90 days in advance of the requirement. Requests will be forwarded to Commander, AMEDDC&S and FSH, ATTN: MCCS-BRL-TN, FSH, TX 78234-5002.

(3) Transient units/activities will submit their request 90 days in advance of the requirement to Commander, AMEDDC&S and FSH, ATTN: MCCS-BRL-SV, FSH, TX 78234-5002.

d. Reserve component units.

(1) Requests from RC units must be submitted to Commander, AMEDDC&S and FSH, ATTN: MCCS-BRL-TN, FSH, TX 78234-5002, NLT 60 days prior to the arrival of the unit.

(2) Thirty days prior to the unit's arrival, information submitted IAW paragraph d(1) above, should be reviewed and updated by the unit commander and corrections should be submitted to the RLBC.

9-5. TELEPHONE AND LAN SUPPORT. Camp Bullis is equipped with both military and commercial pay telephones.

a. Military class A lines are for official business only. In administrative and classroom buildings the telephone wall jacks are in place. Units must coordinate prior to arrival with the Camp Bullis TCO to receive authorization to allow for DSN and Long Distance capabilities. A log will be required to be maintained for all long distance and DSN calls. Units are subject to reimbursement to Camp Bullis for these capabilities. Additional telephone lines must be paid for after coordination with ITBC at FSH.

b. Units requesting Local Area Network/Internet capabilities must be coordinated with ITBC and will be responsible for all costs. Any change to infrastructure as a result must be approved by HQ Camp Bullis.

c. All personal calls must be made from the commercial pay telephones.

9-6. CLASS V. Class V is not available for issue at this location. Units are required to make prior coordination at the home station to procure training ammunition to meet their requirements while at Camp Bullis. When unit completes firing/training, expended brass and unexpended ammunition are collected and turned in through appropriate channels. Packing material and trash are taken to the trash dump in the vicinity of grid coordinates NH 407796. For units in the logistical support area of Paragraph 3-60b(3), AR 710-2, Inventory Management Supply Policy Below the Wholesale Level, the following must be complied with:

a. A separate DA Form 581, Request for Issue and Turn-in of Ammunition, is required for turn-in of excess, unexpended ammunition.

b. A separate DA Form 581 is required for turn-in of brass collected after completion of firing.

c. Munitions sub-hand receipted to range personnel must be accounted for on DA Form 5515, Training Ammunition Control Document.

9-7. POL REQUESTS. Units desiring to establish a Class III account or requiring POL during other than normal duty hours (0745-1545, Mon-Fri), should contact Plans and Operations, RLBC, 221-2836/295-0530, DSN: 471-2839 or 421-0530, prior to arrival at Camp Bullis, to facilitate necessary coordination. Units may bring their own POL products from their home station; however, all areas for POL dispensing must be approved by Camp Bullis Operations.

**CHAPTER 10
RECREATION**

10-1. GENERAL. The use of certain facilities on Camp Bullis for recreational activities is authorized and encouraged and subject to the provisions of this chapter. Areas not authorized for recreation include impact areas, landing strips, small arms ranges, and any area identified as a restricted area or an off limits area. All areas outside the cantonment area are considered off limits for recreational purposes unless cleared through Camp Bullis Operations.

In accordance with various Federal, State, and Army Regulations, treasure hunting, use of metal detectors, arrowhead hunting, or similar activities are prohibited on Federal land, to include Camp Bullis. Further, Camp Bullis was used as an artillery range during and after World War I. All of Camp Bullis can be suspected to contain UXO. Recreational users should be aware that any digging is prohibited. Any items suspected to be UXO should not be picked up or disturbed in any manner, but should be promptly reported to the appropriate authority.

10-2. RECREATIONAL FACILITIES. The ORC controls all recreational activities conducted in these facilities, except where noted.

a. The following limited recreational facilities are available upon request for use by training units at Camp Bullis.

(1) Softball field located in the vicinity of the helipad.

(2) Recreation park located in the vicinity of the ORC.

(3) Running track and basketball court located near the helipad may be scheduled through Camp Bullis Operations.

(4) Hunting is allowed during the state regulated seasons. A Camp Bullis hunting permit and a state-hunting license is required of all individuals desiring to hunt on Camp Bullis. There will be no firearms (intended for recreational use) allowed in the training areas during anytime other than regulated hunting seasons and a daily activity card, issued by the ORC, is required. All firearms must be registered with the ORC prior to being brought onto Camp Bullis.

(5) Fishing at the catfish pond (a stocked pond) is permitted on Camp Bullis during spring months. Call the Camp Bullis, ORC, 295-7529/7577, for available time frames. A daily activity card is not required. Fees are charged based on weight of fish caught. No catch and release.

(6) A picnic area/park, located near the ORC, is available for official and private use by units. Picnic tables and grills are furnished. Requests for use of the picnic area should be forwarded to the ORC at the same time the training/range area request is submitted. Forms available from the ORC at 295-7577/7529.

(b). Limited sports equipment is available for issue from the Outdoor Recreation Center. This equipment is for units training at Camp Bullis.

(c) A fitness center, located in building 5031 (behind the MP Station) is available for unit use while training at Camp Bullis. Hours of operation are from 0430-1900. Phone number is 295-7898.

10-3. CAMPING AND PICNICKING.

a. Picnics outside of the picnic area are not authorized.

b. Camp fires or picnic fires are authorized, but are subject to the following precautions:

(1) All fires outside the picnic area must be approved by the Camp Bullis Fire Department prior to being lit.

(2) Fires will be confined in metal containers or in established picnic area fire pits as designated for the campsites and in the barbecue pits. No other fires are allowed.

(3) An area within 15 feet must be cleared of brush and combustible material prior to lighting a fire.

(4) No fire will be left unattended.

(5) Fires will be extinguished with water, and coals will be covered with earth prior to leaving the area.

(6) Violators of the above restrictions are subject to disciplinary actions, and may be barred from entering the Camp Bullis reservation.

c. Recreational camping is severely limited on Camp Bullis and strictly controlled. All sites are primitive in nature. Use of those sites must be scheduled through the ORC.

10-4. RECREATIONAL RANGES. A sporting range, archery range, and sporting clay shooting range are available for use on the weekends. Use of the sporting clay range must be scheduled 14 working days in advance and a minimum of ten (10) shooters is required. All firing is coordinated through the Camp Bullis, ORC. All firearms must be register with the ORC prior to being brought onto Camp Bullis.

**CHAPTER 11
TRAINING RESOURCES**

11-1. RANGES

A. Live Fire Ranges:

There are seventeen (17) live fire ranges located on Camp Bullis. A short description of each range and restrictions follows:

1. NS SML ARMS RNG A

Location (Grid): NH 41417902 - 41487885
Type of Targets: Wooden Frame
Type of Training: Individual Skills
Weapons Authorized: Pistol, shotgun
Ammunition Authorized: .38 cal, 9mm, .40 cal., 45 cal, .357
MAG and 12 gauges.
Number of Firing Points: 19
Range Facilities: Target holders, CONEX, ammo
breakdown area, control tower,
latrine, bleachers, and parking
area.

Primary Use:

The range is used for familiarization and instructional firing of pistol and shotgun, marksmanship training, zeroing, and corrective instruction.

Restrictions/Requirements:

1. Automatic fire not allowed.
2. No guard required.

2. NS SML ARMS RNG B

Location (Grid): NH 41367900 - 41427883
Type of Targets: Wooden Frame
Type of Training: Individual Skills
Weapons Authorized: Pistol
Ammunition Authorized: 9mm, .38 cal, .40 cal., 45 cal and
.357 MAG
Number of Firing Points: 30
Range Facilities: Target holders, CONEX, ammo
breakdown area, control tower,
latrine, bleachers, and parking
area.

Primary Use:

The range is used for familiarization and instructional firing, marksmanship training, zeroing, and corrective instruction.

Restrictions/Requirements:

1. Automatic fire not allowed.
2. No guard required.

3. KD Range A

Location (Grid): NH 41587866
Type of Targets: Wooden Frame
Type of Training: Individual Skills
Weapons Authorized: M14 Rifle and/or equivalent
Ammunition Authorized: 7.62mm Match or below
Number of Firing Points: 1
Range Facilities: Bench rest firing point, target holders

Primary Use:
Civilian/Sportsman Hunting Rifle Zero.

Restrictions/Requirements:
1. Automatic fire not allowed.
2. No guard required.

4. Basic 10/25M Range A

Location (Grid): NH 41627836 - 41727833
Type of Targets: Wooden Frame
Type of Training: Individual Skills
Weapons Authorized: Pistol, M16A1/A2
Ammunition Authorized: .38 cal, 9mm, .40 cal, .45 cal, and 5.56mm
Number of Firing Points: .357 MAG; 12 GA
38
Range Facilities: Target holders, target shed, ammo breakdown area, control tower, latrine, covered bleachers, and parking area.

Primary Use:
The range is used for familiarization and instructional firing, marksmanship training, shot grouping, battle sight zeroing, and 25-meter scaled target practice. 25 Meter alternate course "C" Qualification and Alternate Pistol Qualification Course.

Restrictions/Requirements:
1. Automatic fire not allowed (except with prior approval).
2. No guard required.
3. If weapons are going to be fired on automatic, prior approval must be made with Camp Bullis Operations prior to scheduling range.

5. Basic 10/25M Range B

Location (Grid) NH 41807830 - 41947826
Type of Targets: Wooden Frame
Type of Training: Individual Skills
Weapons Authorized: Pistol, M16A1/A2
Ammunition Authorized: .38 cal, 9mm, .40 cal, .45 cal, and 5.56mm
.357 MAG, 12 GA
Number of Firing Points: 38
Range Facilities: Target holders, target shed, control tower, ammo breakdown area, control tower, latrine, covered bleachers, and parking area.

Primary Use:

The range is used for familiarization and instruction firing, marksmanship training, shot grouping, battle sight zeroing, and 25-meter scaled target practice.

Restrictions/Requirements:

1. Automatic fire not allowed (except with prior approval).
2. No guard required.
3. If weapons are going to be fired on automatic, prior approval must be made with Camp Bullis Operations prior to scheduling range.

6. Sportsman's Range/ ORC

Location (Grid) NH 41957822 - 42087818
Type of Targets: Wooden Frame
Type of Training: Individual Skills
Weapons Authorized: Pistol, M16A1/A2, M14
Ammunition Authorized: 9mm, .40 cal, .45 cal, .357 MAG, 12 GA 5.56mm, and 7.62mm
Number of Firing Points: 40
Range Facilities: Covered bench rest and standing, target holders, target storage, ammo breakdown area, latrine, and parking area.

Primary Use:

Used for Civilian and military target practice and shooting competition.

Restrictions/Shortcomings:

1. Automatic fire not allowed (except with prior approval).
2. No guard required.
3. If weapons are going to be fired on automatic, prior approval must be made with Camp Bullis Operations prior to scheduling range.
4. Range cannot be occupied if Law Enforcement Range is "HOT".

7. Law Enforcement Range

Location (Grid) NH 422782
Type of Targets: BEAR System (metal) & Wooden Frame
Type of Training: Individual Skills
Weapons Authorized: Pistol and 12 gauge Shotgun
Ammunition Authorized: .38, 9mm, .40 cal, .45 cal, .357
MAG,
12 gauges
Number of Firing Points: 20
a) BEAR SYSTEM 6 firing points
b) MPFQC 14 firing points

Range Facilities: Target holders

Primary Use:
Military Police and Law Enforcement Agencies.

Restrictions/Requirements:
1. Automatic firing not allowed.
2. No guard required.
3. Law Enforcement Range cannot be occupied if KD Range B is "HOT" at firing lines exceeding 600 yards.

8. KD Range B

Location (Grid) NH 42307820
Type of Targets: Wooden Frame
Type of Training: Individual Skills
Weapons Authorized: M16/A1/A2, M14 rifle and/or equivalent
Ammunition Authorized: 5.56mm, 7.62mm Match
Number of Firing Points: 40 per firing line at:

c) 100 yards, NH 42367858 - 42487854
d) 200 yards, NH 42337849 - 42467846
e) 300 yards, NH 42327841 - 42427838
f) 500 yards, NH 42257823 - 42387819
g) 600 yards, NH 42237815 - 42367811
h) 800 yards, NH 42187798 - 42307794
i) 1000 yards, NH 42147780 - 42247777

Range Facilities: Target holders, target storage, and latrine.

Primary Use:
Rifle familiarization and qualification by Marine units.

Restrictions/Requirements:
1. Automatic fire not allowed.
2. When firing from the 800-yard and 1,000 yard line.
a. Three guards are required.
b. Unit conducting firing is responsible for placing and manning barriers across roads at NH 42057810, NH 42537790, and NH 43337863. Unit will establish and maintain communications between the OIC and personnel manning barriers.
3. Scheduled use must be coordinated with adjacent range as the SDZ can affect various portions of Law Enforcement Range depending on what firing line of KD Range B is in use.

4. Use of 7.62mm may require closure of the Heavy Demolition Range and Hand Grenade Familiarization Range.

9. Combat Pistol Qualification Course (CPQC)

Location (Grid) NH 43267877 - 43347877
Type of Targets: Radio Controlled
Type of Training: Individual Skills
Weapons Authorized: Pistol
Ammunition Authorized: .38 cal, .40 cal, .45 cal, .357 MAG, 9mm,
Number of Firing Points: 10
Range Facilities: Target lifters, target shed, ammo breakdown area, control tower, latrine, covered bleachers, and parking area.

Primary Use:

The range is used for familiarization and instruction firing, marksmanship training and qualifications, zeroing and corrective instruction.

Restrictions/Requirements:

1. Automatic fire not allowed.
2. No guard required.

10. Basic 10/25M Range C

Location (Grid) NH 43547877 - 43847877
Type of Targets: Wooden Frame
Type of Training: Individual Skills
Weapons Authorized: M16A1/A2
Ammunition Authorized: 5.56mm (ball), 7.62
Number of Firing Points: 75
Range Facilities: Target holders, target shed, ammo breakdown point, control tower, latrine, covered bleachers, covered mess area, and parking area.

Primary Use:

The range is used for familiarization and instructional firing, marksmanship training, shot grouping, battle sight zeroing, and 25-meter scaled target practice.

Restrictions/Requirements:

1. Automatic fire allowed.
2. No guard required.
3. Tracers require prior approval from Camp Bullis commander.

11. Multipurpose Machine Gun Range (MPMG)

Location (Grid) NH 43877875 - 44177875
Type of Targets: Radio Controlled
Type of Training: Individual Skills
Weapons Authorized: M60 Machine gun, M240B, M249SAW
Ammunition Authorized: 7.62mm (ball)
Number of Firing Points: 10
Range Facilities: Hard target array, target holders for zero, target shed, ammo breakdown area, control tower, latrine, covered bleachers, covered mess area, and parking area.

Primary Use:

The range is used for familiarization and instructional firing to include fire adjustment, machine gun traversing, searching, and development of speed during operation. Right side of

range, used for obtaining an accurate burst and for battle sight zeroing. Also, range has two-lane sniper overlay.

Restrictions/Requirements:

1. Automatic fire allowed.
2. One Air Guard at each end of the firing line. Guards must be in place before firing commences.
3. Tracers require prior approval from Camp Bullis commander.

12. Automated Field Fire (AFF)

Location (Grid): NH 44287890 - 44687904
Type of Targets: M31A Mechanism
Type of Training: Individual Skills
Weapons Authorized: M16A1/A2
Ammunition Authorized: 5.56mm
Number of Firing Points: 35
Range Facilities: Target lifters, target shed, ammo breakdown area, control tower, latrine, covered bleachers, and parking area.

Primary Use:

The range is designed for the conduct of M16A1/A2 field fire familiarization in accordance with FM 23-9, M16A1 Rifle and M16A2 Rifle Marksmanship.

Restrictions/Requirements:

1. Automatic fire not allowed.
2. No guard required.

13. Automated Record Fire (ARF)

Location (Grid): NH 45347973 - 45628008
Type of Targets: Pneumatic
Type of Training: Individual Skills/Qualification
Weapons Authorized: M16A1/A2
Ammunition Authorized: 5.56mm
Number of Firing Points: 16
Range Facilities: Target lifters, target shed, ammo breakdown area, control tower, latrine, covered bleachers, and parking area. RETS equipped.

Primary Use:

The range is designed for the conduct of engagement of personnel targets in a simulated combat environment and record qualification. Also, moving the firing line forward 25 meters and using a single E-type silhouette on the 50-meter line can accomplish night fire.

Restrictions/Requirements:

1. Automatic firing not allowed.
2. No guard required.

14. Modified Record Fire (MRF)

Location (Grid): NH 45678014 - 45958048
Type of Targets: Pneumatic
Type of Training: Individual Skills/Qualification
Weapons Authorized: M16A1/A2
Ammunition Authorized: 5.56mm
Number of Firing Points: 16
Range Facilities: Target lifters, target shed, ammo breakdown area, control tower,

latrine, covered bleachers, and parking area. RETS equipped.

Primary Use:

The range is designed for the conduct of engagement of personnel targets in a simulated combat environment and record qualification. Also, moving the firing line forward 25 meters and using a single E-type silhouette on the 50-meter line can accomplish night fire.

Restrictions/Requirements:

1. Automatic firing not allowed.
2. No guard required.

15. Grenade Launcher Range

Location (Grid): NH 41348076 - 41348088
Type of Targets: Silhouettes/ Windows
Type of Training: Individual Skills
Weapons Authorized: M203, M79, M72A1/A2 expended LAW with 35mm sub-caliber device inserted.
Ammunition Authorized: 40mm He & TP, 35mm SUB-CAL
Number of Firing Points: 10 lanes
Range Facilities: Target array, ammo breakdown area, control tower, bleachers, and parking area.

Primary Use:

Standard qualification for M203/M79 grenade launcher and M72A1/A2 LAW sub-caliber launcher.

Restrictions/Requirements:

1. One guard with communications at guard shack at NH 412808.
2. Use of HE requires prior approval from Camp Bullis commander.

16. Hand Grenade Familiarization Range

Location (Grid): NH 43258323
Type of Targets: None
Type of Training: Individual Skills
Ammunition Authorized: M67 Grenade
Number of Firing Points: 5 bays
Range Facilities: Five throwing bays, ready bunker, observation bunker, ammo breakdown area

Primary Use:

Training for familiarization and employment of live hand grenades. Can be used for familiarization and firing of M18A1 Claymore Mines

Restrictions/Requirements:

Gate guard with communications to OIC.

17. Heavy Demolition Range

Location (Grid): NH 43408226
Type of Targets: None
Type of Training: Explosive Training
Weapons Authorized: Explosives (TNT, C4) not to exceed a maximum charge of 25 pounds of TNT equivalent.
Ammunition Authorized: C4, TNT
Number of Firing Points: 1

Range Facilities: Bunker

Primary Use:

Demolition Training. Open burning, detonation and disposal of ammunition, explosives, and pyrotechnics for training purposes.

Restrictions/Requirements:

One guard at NH 42358290 (gate to impact area) with communications to:

1. Range.
2. Any charge over 25 lb limit must have prior approval from Camp Bullis commander.
3. Fire Department must be on stand-by.
4. Notify Camp Bullis Operations, 15 minute prior to any detonation.
5. Suitable protective equipment (i.e. flack vests, helmets, eye protection) will be worn when deemed necessary by OIC.

Non-Live Fire Ranges:

There are three (3) non-live fire ranges located on Camp Bullis. A short description of each range and restrictions follows:

18. Hand Grenade Qualification Course (NF)

Location (grid): NH 43268318
Weapons Authorized: Training Practice Grenades
Ammunition Authorized: Training Practice Grenades
Number of Firing Points: 7
Range Facilities: Bleachers.

Primary Use:

Training for tactical employment of hand grenades, and qualification.

Restrictions/Requirements:

Gate guard with communications to OIC.

19. Nuclear Biological Chemical Chamber Range

Location (grid): NH 39928160
Weapons Authorized: N/A
Ammunition Authorized: CS (tear gas) pellets or powder (no canisters or grenades authorized).
Number of Firing Points: One CS stove
Range Facilities: Enclosed building designed for chemical training using CS (tear gas) agents.

Primary Use:

Chemical training.

Restrictions/Requirements:

1. If chamber is occupied or "HOT", a guard must be posted.
2. Concentration of CS gas must be monitored.
3. Ensure you can see all individuals clearly, and oxygen content (as determined by the appropriate Field Manual) is high enough to permit proper functioning of mask equipment.

20. Military Operations on Urban Terrain (MOUT) Site

Location (grid): NH 43228952
Weapons Authorized: Small Arms (No live fire)

Ammunition Authorized: Blanks, Pyrotechnics
Number of Firing Points: N/A
Range Facilities: 4 buildings

Primary Use:
Air Force is the primary user for ground combat skills

Restrictions/Requirements:
Pyrotechnics must have prior approval from range operations.

**CHAPTER 12
ADDITIONAL TRAINING FACILITIES**

12-1. MANEUVER AREAS.

Maneuver Area Descriptions

Maneuver Area 1

Maneuver Area 1 is sub divided into 3 sections 1A/1B/1C located in the northwestern corner of Camp Bullis. This maneuver area encompasses 2,076 acres and is used in all types of training.

Maneuver Area 2

Maneuver Area 2 is sub divided into 4 sections 2A/2B/2C/2D located in the north and northeastern corner of Camp Bullis. This maneuver area encompasses 2,824 acres and is used in all types of training that includes the Combat Assault Landing Strip and MOUT site.

Maneuver Area 3

Maneuver Area 3 is sub divided into 3 sections 3A/3B/3C located in the western boundary of Camp Bullis. This maneuver area encompasses 2,653 acres and is used in all types of training.

Maneuver Area 4

Maneuver Area 4 is sub divided into 3 sections 4A/4B/4C located in the center of Camp Bullis. This maneuver area encompasses 2,166 acres and is used in all types of training.

Maneuver Area 5

Maneuver Area 5 is sub divided into sections 5A/5B/5C/5D/5E located in the eastern boundary of Camp Bullis. This maneuver area encompasses 5,752 acres and is used in all types of training. It also includes Hall Drop Zone.

Maneuver Area 6

Maneuver Area 6 is sub divided into 2 sections 6A/6B located in the middle of Camp Bullis. This maneuver area encompasses 1,537 acres and is used in all types of training to include the Soldier Medic Training Park and Simulation Center.

Maneuver Area 7

Maneuver Area 7 is located on the eastern boundary of Camp Bullis. This maneuver area encompasses 1,729 acres and is used in all types of training.

Maneuver Area 8

Maneuver Area 8 is sub divided into 2 sections 8A/8B located in the southwestern corner of Camp Bullis. This maneuver area encompasses 807 acres and is used in all types of training to include both drivers training courses.

Range Impact Area

The Range Impact Area contains the Camp Bullis ranges. This area encompasses 6,035 acres.

Maneuver Area 10

Maneuver Area 10 is located on the southern boundary of Camp Bullis. This maneuver area encompasses 481 acres and is used in all types of training.

Maneuver Area 11

Maneuver Area 11 is sub divided into 2 sections 11A/11B located in the southeastern corner of Camp Bullis. This maneuver area encompasses 1,190 acres and is used in all types of training.

12-2. TRAINING AREAS (TAs).

a. General. Training Areas (TAs) are utilized for specific training conducted by units that are training at Camp Bullis. Most training facilities are located within the maneuver areas (MA). As an example, TA-7, the Litter Obstacle Course, is located in 6B. Scheduling TA-7 does not interfere with scheduling MA 6B.

b. Utilization. Units requesting use of TAs will confine their training to access into and 200 meters in and around the requested/approved TA. Exceptions to this policy are in TAs 1, 2, 9, 10 and 12, where the limits of the TA are geographically defined by the training mission to be accomplished (Compass Course, DZ, and Airstrip).

Training Area Descriptions

Training Area 1

The Basic Compass Course is located in training areas 11A/11B. The course consists of approximately 213 acres and is located at grid coordinates NH 453777. A course packet is available from range control.

Training Area 2

The Advanced Land Navigation Course is located in training area 5A. A course packet is available from range control. The course consists of approximately 600 acres and is located at grid coordinates NH 437894.

Training Area 3

The Bivouac Area is an area 17.9 acre and is located at grid coordinates NH 420773.

Training Area 4

The Drivers Training Area is located in training area 8B consists of approximately 30.4 acres and is used for wheeled and tracked vehicle training. It is located at grid coordinates NH 416775.

Training Area 5

The Drivers Training Area is located in training area 8A consists of approximately 40 acres and is used for wheeled and tracked vehicle training and drivers testing. It is located at grid coordinates NH 398786.

Training Area 6

The Blackjack Village is located in training area 6B is primarily used as bivouac area for medical company training. It is located at grid coordinates NH 400805.

Training Area 7

The Litter Obstacle Course is located in training area 6B at grid NH 402821. This course is used to build confidence and train medics in evacuation procedures. The course meets the Expert Field Medical Badge requirements.

Training Area 8

The Bivouac Assembly Area is located in Cantonment Area at grid NH 413785.

Training Area 9

The Advanced Land Navigation Course is located in training area 3B/3C. A course packet is available from range control. The course consists of approximately 648 acres and is located at grid coordinates NH 405860.

Training Area 10

The DZ Hall is located off Malabang road at grid NH 428874. DZ Hall is 400 acres in size and can handle personnel or cargo drops.

Training Area 11

The Rappel Cliffs located in 1A at grid NH 390904. Currently, this training area is off limits due to safety concerns.

Training Area 12

The Combat Assault Landing Strip (CALs) is located in 2D at Grid NH 447905. The airstrip can handle 7 C-130 aircraft on the ground at one time and is located to the north of County Road.

Training Area 13

The Obstacle Course is located just outside the cantonment area at Grid NH 410786. The obstacle course has 15 obstacles set up in a four-acre area.

Training Area 14

The Parade Field is located in the cantonment area and is used for ceremonies and for training. It is located at grid coordinates NH 409788.

Training Area 15

The C-4 Training Site is used for medical training of students attending the C-4 course at Camp Bullis. It is located at grid coordinates NH 407844.

Training Area 16

The Leaders Reaction Course/ Fitness Obstacle Course is located at Grid NH 445833. The courses are located on an 18-acre area and are used to build teamwork and confidence.

Training Area 17

The Rappel Tower is located at Grid NH 445830 and is the Army standard design for a 50-foot tower.

Training Area 18

The DZ Buck is located in 2C and is used along with the CALS for equipment drops. Its size is 14.4 acres. It is located at grid coordinates NH 439906.

Training Area 19

The DZ Cougar is located in 1A and is used for equipment drops and sling load operations. It is located at Grid NH 384894.

Training Area 20

The DZ Turkey is located in 1B and is used for equipment drops and sling load operations. It is located at Grid NH 390898.

Training Area 21

The Medical Lane Training is located at Grid NH 388839 and is used for classroom instruction and common task testing.

Training Area 22

The ISB is located at Grid NH 381832 and is used for staging of personnel.

Training Area 23

The Mobilization Site (Driving Site) is located at Grid NH 401791 and is used for wheeled and tracked vehicle training.

Training Area 24

The Medical Bivouac Site is located at Grid NH 399809 and is used for staging of personnel.

AIR OPERATION TRAINING AREAS

10 DZ Hall (MA 5C) NH 431871.
12 LZ Bullis (Combat Assault Landing Strip [CALS]) (MA 2D) NH 448902.
18 DZ Buck (MA 2C+D) NH 440906.
19 DZ Cougar (MA 1A) NH 383896.
20 DZ Turkey (MA 1B) NH 390898.

W Tactical Terrain Flight Area (MA's 1A+B, 2A, C, D).

X Tactical Terrain Flight Area (MA's 1C, 3A-C, 6A+B, 7, 8A+B).

Y Tactical Terrain Flight Area (MA's 2B, 4A-C, 6A+B).

Z Tactical Terrain Flight Area (MA's 5A-E).

