

Department of the Army
Headquarters, U.S. Army Garrison and Fort Lee
3312 A Avenue
Fort Lee, Virginia 23801
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*Fort Lee Regulation 350-1

Ranges and Training

Summary. This regulation is a consolidation of several regulations which provide guidance on scheduling and using Fort Lee ranges and training areas.

Applicability. This regulation is applicable to all units at Fort Lee and all off post units to include civilian agencies using Ft Lee for training purposes.

Supplementation. Supplementation of this regulation by subordinate commanders is prohibited without prior approval from the Garrison Commander Fort Lee, 3312 A Avenue, Fort Lee, VA 23801

Suggested Improvements. The proponent of this regulation is the Directorate of Plan, Training, Mobilization and Security. Users are invited to send comments and suggested improvements on DA Form 2028 (Recommended Changes to Publications and Blank Forms) directly to the Commander, USAG Fort Lee, ATTN: IMLE-PL, 3312 A Avenue, Fort Lee, VA 23801.

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This regulation can also be found on the Fort Lee Web site under Services, Forms and Publications, Fort Lee Forms and Publications (<http://www.lee.army.mil/hrd/asd/forms/>).

Table of Contents

	Paragraph	Page
Chapter 1		
General		
Purpose	1-1	5
Applicability	1-2	5
References	1-3	5
Chapter 2		
Responsibilities		
Director of Operations and Public Safety	2-1	5
Installation Range Officer, DPTMS	2-2	5
Range Control, DPTMS	2-3	6
Unit Commanders/Organization Chiefs	2-4	7
Table 2-1 OIC/RSO Appointment Requirements		8
Range and Training Area OIC/RSO	2-5	9
Chapter 3		
Range/Training Area Request and Assignments		
Requests / Scheduling	3-1	12
Late Requests, Changes and Cancellations	3-2	14
Privately Owned Weapons Range and Trap/Skeet Range	3-3	14
Range Bulletin	3-4	14
Chapter 4		
Range/Training Area Acceptance and Clearance		
Unit Prebriefing	4-1	15
Entry Into Ranges, Danger Areas	4-2	16
Pre-use Inspection	4-3	16
Range/Training Area Clearance Procedures	4-4	16
Range Certification/Decertification	4-5	17
Chapter 5		
Range/Training Area Usage		
Signing for Range or Training Area	5-1	17
Dangerous Areas, Range Signs and Roadblocks	5-2	18
Usage of UTM/Non Standard ammunition for Training	5-3	18
Laser Training	5-4	21
Fire Management	5-5	21
Firing Limitations Due to Weather	5-6	22
Handling/Reporting Accidents	5-7	23
Range/Training Area Police	5-8	23
Private Property	5-9	24
Liability for Damages	5-10	24
Lost Soldiers	5-11	24
Privately Owned Vehicles (POV)	5-12	25

Speed Limits and Vehicle Safety	5-13	25
Bivouac Areas	5-14	26
Range Roads and Firebreaks	5-15	26
Foot and Vehicle Movement Planning Consideration	5-16	26
Conduct of Entry Control Point Training	5-17	27
Risk Management	5-18	27
Severe Weather	5-19	27
Chapter 6		
Range/Training Area Communication		
Range Control	6-1	28
Radio Telephone Procedures	6-2	28
Chapter 7		
Ammunition		
Purpose	7-1	29
Ammunition Requirements	7-2	29
Forecasting Ammunition	7-3	29
Request Ammunition	7-4	30
Authorized Signatures	7-5	30
Accountability	7-6	30
Transporting	7-7	30
Positioning	7-8	31
Chemical Agents and Smoke	7-9	31
Pyrotechnics, Simulators and Blanks	7-10	32
Handling	7-11	33
Turn-in	7-12	34
Misfires	7-13	34
Malfunction Reporting	7-14	35
Duds	7-15	35
Amnesty	7-16	36
Chapter 8		
Medical Support for Training		
Explanation of Terms	8-1	37
Responsibilities	8-2	37
Procedures	8-3	38
Medical Requirements for Non-firing Training	8-4	38
Medical Requirements for Range Firing	8-5	38
Accident Reporting	8-6	40
Guidelines for Physical Activity During		
Hot Weather Conditions	8-7	40
Prevention of Cold Injuries/Wind-chill Chart	8-8	41

Chapter 9

Preservation and Protection of the Environment

Purpose	9-1	43
Procedures	9-3	43
Spill Prevention Control/Countermeasure Plan	9-4	45

Appendices

A-References

Army Regulations	A-1	47
Field Manuals	A-2	47
Technical Manuals	A-3	48
Fort Lee Regulations	A-4	48
Fort Lee Forms	A-5	48

B-Fort Lee Training Areas/Ranges List

Fort Lee Ranges and Training Areas	B-1	49
------------------------------------	-----	----

C-Chronological List of Reports and Actions Table

	C-1	51
--	-----	----

D-Targets, Materials, Equipment, EST 2000

Issue of Range Equipment	D-1	52
Requests for Radio Frequency Targets or Scenario's D-2	D-1	
EST 2000 Training @ Range Control Only	D-3	52

E- Sample Letter

	E-1	54
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*This regulation supersedes CASCOM & FL Reg 350-1,dated 7 August 2000

Chapter 1 General

1-1. Purpose

a. The purpose of this regulation is to define responsibilities and prescribe the policies and procedures to be followed by all units, civic organizations and individuals training at Fort Lee in order to ensure realistic training that will enhance combat readiness while at the same time ensure safe operations.

b. This regulation supplements and supports AR 210-22 Private Organizations on DA Installations, AR 385-63 Range Safety, DA Pam 385-63 Range Safety and all other applicable safety directives as well as pertinent field and technical manuals.

c. This regulation applies to all personnel that use range facilities and specific training areas on this installation.

d. Detailed information on the ranges and training facilities and their capabilities is provided in appendix A to this document.

e. Unless otherwise approved by the Installation Commander or the Range Officer, all personnel utilizing Fort Lee range facilities will comply with the requirements and directives prescribed in this regulation.

1-2. References

Required and related publications are listed in Appendix A.

Chapter 2 Duties / Responsibilities

2-1. Directorate of Plans, Training, Mobilization and Security (DPTMS)

Has the staff responsibility for the supervision of Fort Lee training areas and ranges, and will establish policies, priorities, and procedures for range and training area utilization.

2-2. Installation Range Officer, DPTMS

a. Serves as the central point for control and coordination with organizations conducting activities within the installation training complex to ensure safety and unified operations

b. Coordinates safety issues with appropriate installation staff including the installation safety manager. Monitors training area and range usage to ensure that all-applicable policies, procedures, and safety regulations are complied with by user organizations.

- c. Plans for range and training area improvements by monitoring changes in doctrine, equipment, and the needs of user organizations.
- d. Reviews this regulation annually or when it deems necessary to ensure current information is published, as required.
- e. Approves, disapproves, or modifies requests for all activities on the installation based on this regulation and available information concerning priority training.
- f. Establishes temporary danger areas when firing is conducted on other than permanent danger areas and announces these areas to the command.
- g. Authorizes entry of personnel into danger areas deemed safe.
- h. Notifies installation personnel and the public of firing and exercises involving possible hazard to the public via range bulletin and Public Affairs Office (PAO).
- i. Plans and supervises the construction of new range/training facilities.
- j. Reviews and updates as needed any environmental information concerning range and training areas.

2-3. Range Control, DPTMS

- a. Gives the final phase of the Installation Range Safety Program classroom instruction to identified Range and Training Area Officer in Charge (OIC's) and Range Safety Officer (RSO's).
- b. Gives the accepting Officer-in-Charge (OIC) and the Range Safety Officer (RSO), if applicable of a Range and Training Area, a unit pre-briefing, to include; safety, range or training area procedures, potential conflicts, environmental constraints and special instructions.
- c. Issues the Range OIC a copy of Fort Lee Range Checklist. Issues the Training area OIC a copy of Fort Lee Training Area Checklist.
- d. Hand-receipt the Range/Training Area OIC equipment as needed.
- e. Operates target systems necessary to fulfill user needs.
- f. Have an adequate number of Range Control personnel on duty to cover any training event.
- g. Conduct range and training area safety inspections as required to ensure compliance with all applicable safety policies and procedures, this regulation and DA Pam 385-63.

- h. Clears all user units off ranges and training areas.
- i. Is responsible for the enforcement of command approved Installation Range Program.
- j. Controls live-fire and training area activities within Fort Lee and Fort Lee range and training areas.
- k. Upon notification of an accident involving ammunition, explosives or weapons; Range Control will immediately contact the Installation Range Officer, the Safety Office and any other appropriate agencies.
- l. Performs/supervises maintenance on all ranges/training areas.
- m. Verifies the surface danger zone (SDZ) is clear of all personnel prior to firing.
- n. Ensures range flag is flying during live-fire exercises.

2-4. Unit Commanders/Organization Chiefs

- a. Are responsible for the safe and effective use of Fort Lee ranges and training areas by their units/organizations in accordance with (IAW) established policies, regulations, technical manuals and standard operating procedures (SOP).
- b. Identifies and requests ranges and training areas IAW CASCOM&FL Regulation 350-1.
- c. Battalion/Squadron Commander. Conduct risk assessment of all live-fire operations.
- d. Notify the Fort Lee Safety Office of accidents involving personnel and/or equipment requiring the use of the U.S. Army Abbreviated Ground Accident Reporting System (AGARS).
- e. Once satisfied through training and testing that individuals are qualified to perform the duties of OIC and RSO of the firing unit, battalion commanders/directors (U.S. Army) or installation commanders (Marine Corps) will certify, in writing, (Sample Letter Annex E) these individuals to range control.
- f. Personnel designated as OIC and RSO must receive a range safety briefing from the Fort Lee installation range control on the use of the training complex as the last part of certification.

Table 2-1 OIC/RSO appointment requirements

Weapon System	OIC			RSO		
	OFF	WO	NCO	OFF	WO	NCO
Practice hand grenades; sub caliber training devices; laser devices; firing devices; simulators & trip flares small arms and machine guns	X	X	E-6	X	X	E-5
Chemical Agents and Smokes 2,6	X	X	E-6	X	X	E-5
Aerial gunnery & air defense weapons; flamethrowers; live grenades, grenade launchers, and grenade machine guns; live mines& demolitions; tank & fighting vehicle cannons; recoilless rifles	X	X	E-7	X	X	E-6
Field artillery 3	X	X	E-7	X	X	E-6
Mortars	X	X	E-7	X	X	E-6
ADA rockets and guided missiles.		X			X	
Direct fire antitank rockets and missiles	X	X	E-7	X	X	E-6
Live-fire exercises using organic weapons, squad through company, battery, and troop.	X	X	E-7	X	X	E-6
Combined arms live-fire exercises using outside fire support, troop, battery, squad, platoon, company; or battalion and larger	X	X	E-7	X	X	E-6

1. Civilians in the grade of GS-07 or above may act as OIC, and GS-05 or above or equivalent as RSO. Civilian contractors may act as RSO in accordance with Contract PWS / SOW.

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

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

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

5. OIC will be a field grade officer for battalion or larger CALFEX.

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

7. RSO for Marine Corps can be E5 for mortar training activities

NOTE: Any training that does not include the use any of the above ammunition or pyrotechnics i.e. Land Navigation or training with blank ammunition only, does not require an RSO and the OIC can be an E-5.

2-5. Range and Training Area OIC/RSO

a. Qualifications/Pre-requisites: The accepting OIC of a Training Area or both the OIC and RSO of a Range must be weapon systems qualified and meet the requirements set forth in Table 2-1 of Para. 2-5

b. IAW AR 385-63 and DA Pam 385-63, installation certification programs will be established for individuals assigned as OICs and or RSOs good for one year. Individuals must be recertified annually. Certifications do not transfer from one installation to another. Specific duties of the Range/Training Area OIC and RSO include, but are not limited to, the following:

(1) Will ensure at all times that all personnel under the OICs responsibility are cooperative with all Range Control personnel regardless of seniority and/or disparity of ranks. Failure to cooperate with Range Control during range or training area operations constitutes a safety violation and will result in the immediate closure of the range facility or training area and removal of the unit from the range facility or training area. See also section 4-5 page 4-2.

(2) The accepting OIC and RSO if applicable of a Range or Training Area will report to Range Control, Bldg 17142, for a Pre-briefing on safety, range and training areas procedures, potential conflicts, and special instructions no later than (NLT) the Wednesday, of the week prior to their scheduled training date. Range Control reserves the right to cancel training for any unit that fails to comply with the above requirement. Pre-briefs are given every Wednesday from 0730-1600 at Range Control, Bldg 17142. See section 4-1.B., Chapter 4.

c. Prior to a Firing or Training event ensures that:

(1) A written log is maintained of pertinent safety and control data concerning the operation of firing ranges, weapons training facilities, and maneuver areas, authorized operating times, impact areas entries and exits, and cease fire authorizations. He is knowledgeable with and responsible for compliance with this regulation, FMs and TMs pertinent to the firing or training being conducted; pertinent range and training area SOPs, environmental constraints and the applicable portions of AR 385-63 and DA Pam 385-63.

(2) Appropriate FMs, TMs, and regulations/SOP's are on site.

(3) The impact area (SDZ) is clear of unauthorized personnel and safety measures have been taken to ensure it remains clear.

(4) One or more Safety NCOs (SGT and above), as required by applicable Range SOP, are present at the range or gun position.

(5) A covered patient transport vehicle (PTV) is present when required (must be able to transport a litter). There must be a driver and a medically qualified person as defined in Chapter 8, Section 1. They cannot be the same individual.

(6) Firing and/or Training will not commence until communications have been established with Range Control and a hot-time or open-time has been granted. Communications equipment will be manned at all times, if not a communication failure will cause training or firing to stop until communications are reestablished.

(7) Weapons are cleared and inspected prior to entering the firing line.

(8) Only authorized ammunition is used. Ammunition to be fired is within safe temperature limits, is being stored only in approved storage areas and is not left unguarded or unattended.

(9) The range flag/red light is flying prior to requesting hot-time.

(10) Will ensure a range or training safety briefing has been conducted for all personnel; to include briefing on hazards of high intensity noise as a cause of permanent damage to the ear, and that hearing protective devices in the form of ear plugs and/or ear defenders (muffs) are available for all personnel on the range and for any visitor to the range. IAW [AR 40-5](#) and [DA PAM 40-501](#), hearing protection will be worn at all times, during exercises with any weapon on all ranges.

(11) All vehicles are parked only in designated parking areas. There will be no parking or driving of POVs on the grass. Violators will be reported to the Provost Marshal's Office (PMO) for action. More information regarding POVs can be found in section 5-9.

(12) All safety paddles, radios, range flags, targets and other equipment are drawn from Range Control as applicable.

(13) All latrine supplies required by personnel using post ranges have been furnished by the using unit.

d. During firing or training, OICs and RSOs will ensure that:

(1) Firing/Training is conducted and maintained in a safe manner at all times.

(2) Communications with Range Control are maintained at intervals not to exceed one hour (+/- 10 min).

(3) All safety personnel/NCOs are located in the best possible position to ensure safe training.

(4) All detail personnel are operational to support firing/training needs.

(5) Personnel do not move to or from the firing line on small arms or crew served weapons ranges without the permission of the Range OIC, RSO or Range Control.

(6) Material is not removed from the firing line without the permission of the Range OIC, or the RSO.

(7) All personnel on live fire ranges must wear hearing protection. Personnel in training areas must wear hearing protection as applicable

(8) The SDZ is monitored to ensure it remains clear. Call an immediate cease-fire when anyone or anything is observed in the impact or danger area; contact Range Control immediately.

(9) The range OIC is responsible for the surveillance of the airspace in the Small Arms Range Safety Areas (SARSA). Spotters and/or radar should be able to monitor airspace inclusive of a border extending up to 5 miles from the boundaries of the SDZ of the SARSA.

(10) Observers will maintain positive, immediate communication with the range OIC or range control at all times. Observers will be thoroughly briefed on their duties and responsibilities. Range control must have in place a plan adequate to support the range OIC in this effort (Army).

(11) All firing activities within the SARSA must cease upon notification of impending or actual incursion of the SARSA by nonparticipating aircraft. The user must cease fire upon notification of actual or pending incursion of the SARSA by nonparticipating aircraft

(12) All weapons are fired within the confines of the left and right lateral limit markers, (FIRERS MUST ONLY FIRE WITHIN THEIR ASSIGNED LANES) If not, OIC/RSO will call an immediate cease fire and corrects the deficiency. Impacts of projectiles are observed to ensure they land within the prescribed impact areas.

(13) Ammunition is handled in a safe manner. No smoking except in designated areas.

(14) Immediate action procedures will be conducted by the firer under the supervision of the safety in accordance with (IAW) established procedures outlined in the respective FM(s). Remedial action will be conducted by qualified personnel (unit armor) IAW established procedures outlined in the respective FM(s).

(15) Weapons are cleared prior to leaving the firing line, during temporary suspensions of firing, when changing firing orders, and upon completion of firing.

(16) Records are maintained on the type of rounds brought to the range or training facility, the number of rounds fired, and the number of duds with their

approximate location, and the number of rounds returned to the Ammunition Supply Point (ASP) in the remarks box of Fort Lee Range/Training Area Checklist.

(17) Firing or training is stopped promptly when any unsafe act is observed or reported.

(18) No pyrotechnics, flares, demolitions or any other incendiary type munitions are released or fired at any time without clearance from Range Control.

(19) An immediate report is made to Range Control of any accident involving ammunition, weapons or training area.

(20) All personnel will be informed of the requirement to call a cease-fire if any unsafe act is observed.

(21) Be physically present at the range, training area or facility at all times, no exceptions.

e. After firing or training, OICs and RSOs will ensure that:

(1) All weapons are cleared upon the completion of firing.

(2) Range Control is notified that firing or training has been completed, request cold/close time.

(3) Range flag/red light is lowered, recovered, and returned to Range Control.

(4) All brass, and unexpended ammunition, are returned to ASP IAW current regulations and SOPs and all packing materials are disposed of properly

(5) Range or training area is policed and trash is removed.

(6) A joint post range inspection is conducted with Range Control IAW the attached range clearance checklist (Fort Lee Range Checklist). A joint inspection will be conducted similarly with training areas using training area checklist (Fort Lee Training Area Checklist). All inspections will be completed on the day of training unless under extenuating circumstances i.e. darkness/weather.

(7) A brass and ammunition "shakedown" is conducted for all personnel prior to departure from the range.

Chapter 3

Range / Training Area Request and Assignments

3-1. Requests / Scheduling

a. Requests for training areas/ranges will be submitted to DPTMS Scheduling utilizing the Range Facility Management Support System (RFMSS) Web Site software up

to one year but not less than 90(ninety)days prior to the day the requested training is desired. Request will be acted upon by the Range Control Scheduler with-in 72 hrs of receipt provided the request is accurately submitted. Requests will include the range/training area number or function, desired caliber and type of weapons being fired, date and hours of firing/training, number of personnel to fire/train, name, unit/address, and phone number and POC of requesting unit/activity. If a request is submitted with inaccurate information the request will be disapproved. It is the submitting unit's/agency's responsibility to ensure accuracy in the submittal process, and to verify the status of the request through RFMSS. Any requests received less than two weeks are subject to availability and/or priority and may be subject to approval by the Range Officer. Rehearsals and setup requirements prior to the desired date of training must be requested through Scheduling. If a requesting Unit/Agency does not have a FT Lee RFMSS Account, or they have any scheduling questions contact the Range Scheduler, at (804) 765-2320 or DSN 539-2320.

b. All training requests will be approved on a first come first served basis. Priority will go to approved POI training, I.E. Sling Load, Jumps, BOLIC, LOGEX, Mobilization/Deployments, Military Police Qualification requirements, and then all other requests, provided that the Unit/Agency adheres to paragraph 3-1a above. Once a training request is approved, it will lock in that training date and time for that Unit/Agency. If a unit with a higher priority or the same priority requires the same training site on the same date and/or time the unit/agency whose request was received first will get the Training Facility. In certain situations where an agreement between the conflicting units cannot be made, the matter will be referred to the Installation Range Officer who will make a determination based on the needs of the conflicting units.

c. All installation ranges and training areas are identified by either an Arabic numeral designation e.g. RNG01, RNG02 for Ranges and TA01, TA02 for Training Areas or by their major function as determined by the Installation Range Officer.

d. Appendix B contains a complete listing of all installation ranges and training areas, the responsible installation organization and a map providing locations.

e. The Installation Range Officer will make all assignments of ranges, drop zones (DZ), landing zones (LZ), pickup zones (PZ), and training areas, except as otherwise outlined herein. Utilization of tactical training areas and range facilities at this installation usually are on a "sole user's" basis. Accurate description of the activity to be conducted will assist training personnel in making the most effective assignment of facilities.

f. Units planning field exercises that include air operations will include any pertinent information in the communications block of the RFMSS request.

g. Requests to use training areas controlled by organizations other than DPTMS should address those request to appropriate organization

(1) SCoE: Commander, SCoE, ATTN: S-3.

(2). Directorate of Morale, Welfare and Recreation, ATTN: IMNE-LEE-MW ATZM-PA. Requests for training facilities may be submitted per paragraph A above.

h. Requests for use of ranges or training areas by Federal, State, local government, or other civic/private organizations may be approved by Fort Lee, IAW AR 405-80, para 4-17 and this regulation. These organizations must be licensed to utilize Fort Lee training facilities. Address request for license to Directorate of Public Works (DPW), ATTN: Real Property, 1816 Shop Road, Fort Lee, VA 23801. DPW, Real Property can be contacted telephonically at commercial 734-4148. Request should include the name of the organization, areas requested for use, purpose, projected dates, and a point of contact. Completion of some type of National Rifle Association approved pistol or rifle courses, or military installation equivalent is mandatory before nonmilitary personnel will be allowed to perform Range OIC/RSO duties on small arms ranges.

i. The assignment of a range/training facility to a commander does not include authority to pass the assignment to another commander without the approval of the Installation Range Officer.

3-2. Late Requests, Changes and Cancellations

a. All training area/range late requests, or changes to approved requests will require the approval of the appropriate directorate or command responsible for that facility.

b. If a previously scheduled range or training area is no longer required, the scheduled unit/agency will notify the appropriate directorate or command responsible for that facility so it may be made available to other units.

c. Failure to arrive within 1 hour of the time designated on the range/training area request will result in the loss of the use of the range or training area (units who wish to utilize facilities on Fort Lee at a later time than the time scheduled must contact Installation Range Control 804-765-2286/2287 to prevent cancellation).

3-3. Privately Owned Weapon Range and Trap/Skeet Ranges

The DFMWR will be responsible for the operation, of the privately owned weapon (Range 8) and trap/skeet and archery ranges located on Fort Lee. These ranges will operate within the established standards, AR 385-63 and this regulation.

3-4. Range Bulletin

a. The Installation Range Officer, DPTMS, will be responsible for publishing range firing notices. Notices will be published via e-mail. Range bulletins are published on the Fort Lee Share Point @ <https://home.army.mil/sites/at/flg/dptms.training.ranges/sitepages/home.aspx#>

b. Using units/agencies who have requested training must be reflected in the pertinent Range Bulletin. Range Control reserves the right to deny training and / or support to any unit not reflected in the pertinent Range Bulletin.

c. Special notices of firing will be made available to the PMO, Public Affairs Office, Virginia Army National Guard, and other units or agencies requesting special notification upon the approval of the Range Officer, DPTMS.

Chapter 4

Range / Training Area Acceptance and Clearance

4-1. Unit Pre-briefing

a. Training will not be permitted until the OIC and RSO, as applicable of the Range or Training Area, are certified by Range Control. A Range Certification Course for OICs and RSOs will be scheduled through Range Control (building 17142, extension 765-2079). Certification classes are given on the first and third Wednesday of each month at 1300. Certification is valid for 1 year. It is the responsibility of the unit commander to ensure their personnel are recertified upon expiration.

b. The using unit/organization OIC and RSO as applicable, of the scheduled Range or Training Area must report to Range Control, located at building 17142, (804) 765-2286/2287, prior to the scheduled training for a pre-training briefing (pre-briefing). These pre-briefings are given every Wednesday from 0730-1600 and will cover all training scheduled for the following Monday through Sunday. The OIC/RSO will be given either a Fort Lee Range/Training Area Checklist as applicable, these forms will be filled in with the pertinent information, and Range Control at this time, will discuss with the unit OIC and/or RSO their arrival time, safety and any special instructions or limitations that may affect the use of the appropriate training resource. They will be asked to show their Range Certification card and reminded what paper work is required on the day of training i.e. DA Form 581 or 5515, a signed copy of the Risk Assessment.

NOTE: *To ensure overall live-fire safety on all Fort Lee range areas and surrounding training areas, CASCOM Staff, Schools, and Units will no longer use or order the M855A1 EPR 5.56 service round for M16/M4 qualification or training purposes*

c. If the unit OIC and RSO, as required cannot make this briefing for any reason, on the specified day, they, or a representative i.e. Commander or First Sergeant, must call Range Control 804-765-2286/2287 and inform Range Control of their intent to conduct their scheduled training and make arrangements to attend a pre-brief at a later time. Failure to contact Range Control by close of business (1700hrs) on the day of the scheduled pre-brief, Range Control reserves the right to cancel the scheduled training. At that time the unit will be required to provide the Installation Range Officer, DPTMS, a well-detailed letter explaining the circumstances from the first 0-5 in their chain of command, before any exception will be granted.

d. Civilians or non-affiliated organizations authorized to use Fort Lee ranges must comply with the above paragraphs.

4-2. Entry into Ranges Danger Areas and Impact Zones

a. The major portions of the Fort Lee Range Complex may be used for live fire exercises and therefore, cannot be considered as "open range". Entry into danger areas is prohibited without clearance from Range Control. The true size and shape of impact zones and danger areas may change daily, depending upon the size and type of weapons being fired. The Installation Range Officer, DPTMS, must approve entry into or use of any Range Complex in advance.

b. Range Control will inspect the gates that surround the range area prior to firing to ensure that the area and gates are clear and secure.

c. Any unit or entity that is scheduled and/or unscheduled to utilize any training areas/ranges will report to Range Control (bldg 17142) prior to entering the said area

4-3. Pre-use Inspection

a. Prior to acceptance of any range/training area, the OIC (or his designated certified representative) will conduct an inspection to determine the status of maintenance and police of the range/training area; and determine if any conditions exist that may constitute a safety hazard. Range Control must be notified immediately (within 30 minutes of occupation) prior to the start of any training in the event that any unsafe conditions exist. The Fort Lee Range Checklist and Training Area Checklist will be used as a guide for this inspection. If an unsafe condition exists Range Control will make an assessment of the condition and notify the OIC on how to proceed. If the Installation Range Officer determines that the conditions constitute a safety hazard, the range/training area will be closed until the discrepancies are corrected.

b. Any other discrepancies noted during the range/training Area OICs inspections, which do not constitute safety hazards, will be annotated in the remarks section of the range/training area Checklist and reported to Range Control by the OIC. Range Control will be responsible for initiating action to have them corrected as soon as possible. If the unit representative fails to notify Range Control of discrepancies (within time specified in section 4-3.A.), the unit will be responsible for correcting them whether or not the unit caused them.

4-4. Range/Training Area Clearance Procedures

Official clearance will be obtained from Range Control by each using unit upon completion of training. The range/training area is cleared on the same day the unit completes training unless this is impossible because of impending darkness. If this occurs, Range Control will designate a time for the unit to return to complete the clearance process. The using unit/organization will prepare the range/training area for clearance IAW the Fort Lee Range Checklist or Fort Lee Training Area Checklist and notify Range Control when ready for clearance. The OIC is responsible to ensure they have sufficient personnel on site to conduct the clearance inspection. After the inspection by Range Control the using unit/organization will be required to turn all completed paper work and any issued equipment to Range Control at bldg 17142.

4-5. Range Certification and Decertification

a. U.S. Army Range safety certification programs are used to train and qualify personnel in the duties of OIC and RSO for firing exercises and maneuver operations. Certification programs are normally implemented at battalion or equivalent level. Marine Corps OIC and RSO certifications will be conducted at the installation level only.

b. Unit safety certification programs will be integrated into organizational training

c. Once satisfied through training and testing that individuals are qualified to perform the duties of OIC and RSO of the firing unit, battalion commanders (U.S. Army) or installation commanders (Marine Corps) will certify, in writing, these individuals to range control.

d. Personnel designated as OIC and RSO must receive a range safety briefing from the installation range control organization on the use of the training complex as part of certification.

e. The range certification process is required for all personnel that Commanders/organization chiefs will be appointed and and serve as OICs and RSOs for any of Fort Lee's ranges and training areas. The range certification class is conducted at 1300, at Range Control classroom building 17124, on the first and third Wednesday of each month and is valid for one year. Class size is limited to 25 personnel. Individual requirements can be found in section 2-5 page 9. It is the responsibility of the unit commander to ensure that their Fort Lee Range Certified personnel are recertified upon expiration of the individual's certification. No individual may take charge of, or responsibility for, any Fort Lee range or training area without being Fort Lee range certified.

f. Individuals who find themselves operating within a non-compliance state with Range Control or the CASCOM&FL Reg. 350-1, can and will have their individual range certification suspended for a period of 90 days. Any individual who has their Fort Lee range certification suspended must attend the Fort Lee Range Certification class again, with request letter signed by their Unit Commander before recertification is granted.

Chapter 5 Range/Training Area Usage

5-1. Signing for a Range or Training Area; Day of Training

The OIC and RSO as applicable will report to Range Control on the day of training at the scheduled time, based on the Pre-brief. See Chapter 4 Para 4-1 for information on Pre-briefing. The OIC/RSO will at that time be required to show their Fort Lee Range Certification Card and turn into Range Control a copy of the Risk Assessment signed by the appropriate level commander, a correct copy of the Ammunition DA Form 581 or DA Form 5515 signed by the appropriate personnel. They will receive the Fort Lee Range/Training Area Checklist as required and sign for any required equipment needed for the scheduled training. At that time, any questions can be answered by Range

Control Personnel. Training will not commence until Range Control has received all required paperwork from the unit, and the unit has requested and received a Hot/open-time.

5-2. Dangerous Areas, Range Signs, and Roadblocks

a. Unauthorized persons are prohibited from entering the installation training complex. When empowered, the installation range control officer is the approval authority for entry onto ranges and maneuver areas, and into any impact area (temporary, dedicated, or high hazard).

b. Unauthorized persons are prohibited from entering impact areas and other areas known or suspected to contain UXO by use of positive controls, to include fencing and posting of UXO hazard warning signs. The control and management of all impact areas are the responsibility of the Installation Range Officer. All ranges and impact areas are considered dangerous areas. All personnel must report to Range Control, Bldg 17142, before entering any range or training area. Personnel who have been in the impact area will notify Range Control when they have cleared the area.

c. The size of the reservation, lack of perimeter fences, and the nature of the terrain involved preclude posting of guards to cover all approaches to the area endangered by firing. The impact areas have been marked accordingly and barricades/gates are put in place to block the main routes of access. These barriers/gates will be removed/opened only by authorized members of Range Control.

d. Training Areas 14, 15, and 16 border on the family housing areas. Units will not approach within 100 meters of the housing areas or use pyrotechnics and blanks within 100 meters of the housing areas. Units will also observe Quiet-hours (2301-0559) in these areas.

e. Authority to use a training area does not constitute authority to restrict traffic on any road, trail, or thoroughfare. Approval must be obtained from the Installation Range Officer, DPTMS, before building anything that will block the orderly flow of traffic.

f. Training in the National Park Services, U.S. Department of the Interior. The following general provisions apply: Refer to Fort Lee Policy 02-08 Use of Petersburg Battlefield, which can be found on the Fort Lee website, under Services, Fort Lee Policy Letters, Family & Morale Welfare & Recreation.

5-3. Usage of UTM/Non Standard ammunition for Training

a. Units that are authorized to use UTM/Non Standard will comply with the following procedures.

(1) When training is being conducted with Man-Marking Systems, the minimum required PPE to be used is:

Safety Equipment Nomenclature	NSN
- CCMCK Lower Face and Throat Protection	8415-99-359-9160
- Groin Protection	Various such as 8470-01-456-1100
- PASGT (Personnel Armor System for Ground Troops) - Helmet	Various such as 8470-01-092-7528
- ACH (Advanced Combat Helmet)	Various, such as 8470-01-476-2524
ACU (Army Combat Uniform), with sleeves rolled down	- Various, such as 8415-01-519-8510 8415-01-519-8426
- Standard Gloves	Various, such as 8415-01-518-5140
- SWD (Standard Ballistic, Sand, Wind, Dust) Goggles	8465-01-328-8268
When conducting force on force training with either Non-Standard Man-Marking Systems (Commercially Provided Version of CCMCK) or the CCMCK system the minimum engagement distance is 5 meters, there shall be no head shots and no exposed skin.	

(2) Units will observe a 75 meter safety zone, any personnel with-in the 75 meter safety zone must also be in full protection equipment.

(3) The following Training Areas have been identified as areas to support UTM training: TA's 7, 17, 17A, 26, 27, and 27A.

(4) Any areas not listed or approved for UTM training will be considered on a case by case basis approved by the Installation Range Officer.

(5) The guidelines for use will be IAW AR 385-63 and DA PAM 385-63 (Range Safety).

(6) Training Areas used to support UTM will be treated as live fire ranges and procedures as outlined in AR/DA Pam 385-63 and will be strictly enforced by range control.

b. Safety Requirements Prior to Firing

(1) The Bluefor, OPFOR Safety Officers (RSO) and Officer In Charge (OIC) will comply with the prescribed safety requirements applicable to the range area being used and weapon systems being simulated in addition to those listed in reference para 5-3(a). The Commander is ultimately responsible for the safety of all training.

(2) Weapons safety rules still apply at all times with UTM use.

(3) Personnel will use only US Army procured adapter kits and marking cartridges without modifications.

(4) Soldiers will use their individual assigned M16/4s for UTM training. For accountability of M16/4 bolts, the bolts must remain at the unit's arms room prior to being issued UTM bolt. **Note: Suggestion to Unit Armorers—Tag bolt and place in slot where M16 was removed.**

(5) All adapter kits will be properly accounted for and maintained.

(6) All weapons, magazines, and ammunition pouches will be inspected and if required, all live fire ammunition will be accounted for prior to commencing UTM training exercises.

(7) All UTM capable magazines will be clearly distinguishable and not filled until the UTM training is ready to commence.

(8) The OIC will appoint one of the RSOs (Bluefor or OPFOR) based upon scenario to establish a 150 meter Safety Danger Zone around the UTM training area. Sentries will be posted at all access points into the training area or the area will be secured in such a way as to prevent unintended visitors from accidentally entering the area during force on force operations.

(9) No force-on-force training will be conducted with UTM at temperatures below 38 degrees Fahrenheit.

CAUTION – *The plastic of the protective mask becomes brittle in cold temperatures and could crack or break. Additionally, the plastic projectile that houses the soap-based dye begins to harden at temperatures below 38 degrees resulting in the round no longer having the "marking effect".*

(10) Safety Brief. Prior to force-on-force training, the Bluefor and OPFOR RSOs will issue a safety brief to the participants, observers, combat instructors, assistant instructors, and other support personnel that will be in the area. The brief will include safety rules; weapons condition codes, minimum engagement distances, required safety gear, target area and control procedures, casualty adjudication guidelines (per training requirements), hot and cold signals, and location of the medical facilities and safety vehicle.

5-4. Laser Training

a. Fort Lee does not have a qualifying Laser Range; therefore, any Laser type training must first be cleared by the Laser Safety Officer, by contacting the CASCOM Safety Office at 804-765-9376.

b. MILES training can be scheduled at any time utilizing the procedures outlined in Paragraph 3-1

5-5. Fire Management

a. Fort Lee ranges and training areas are heavily wooded, creating a danger to life and property due to brush and forest fires. The cost to the government in terms of ruined timber, equipment and training time is a further consideration towards the suppression of such fires.

b. All personnel who use Fort Lee's range and training area facilities will exercise a high degree of care to prevent brush or forest fires. Units are highly encouraged to call Range Control (808-765-2286/2287) to obtain the current fire conditions prior to drawing any type of incendiary ammunition or device.

(1). Lit smoking materials and matches will not be thrown from vehicles.

(2). Special care will be taken while in the woods or fields to extinguish matches, cigars, or cigarettes before discarding them.

(3). No open pit fires will be permitted. Warming barrels will be considered with proper coordination through Range Control.

(4). The burning of trash on ranges or in training areas is prohibited.

(5). Before firing tracer ammunition, any type of incendiary, demolition or flares, the Range/Training area OIC will first contact Range Control for clearance. Range Control may suspend the above activities due to the hazards of wild fire.

c. All fires will be reported to Range Control, Bldg 17142, extensions 765-2287/2286 immediately, regardless of size.

d. Individuals who report fires will give their name, unit/organization, as well as the location and extent of the fire. They will ensure that a guide is stationed on the nearest main road to direct any necessary fire fighting assistance to the scene of the fire.

e. Organizations near range or training area fires will immediately cease training and ensure all personnel are accounted for and report so to Range Control @ 804-765-2287/2286

f. Range Control will secure the area until relieved by a representative of the Fort Lee Fire and Emergency Services.

5-6. Firing Limitations Due to Weather

a. Firing limitations due to weather conditions are as outlined in the figure below. The Installation Range Officer will determine the weather condition each day.

b. Unit desiring to fire any type of incendiary ammunition into any impact area will obtain clearance from Range Control on the day of firing before such firing will be

allowed. Range Control will notify all units conducting live fire training of the existing fire condition when limitations apply.

c. Personnel conducting training in the training areas will contact Range Control for the fire condition.

d. In the event of severe weather conditions, i.e. lightning storms, tornadoes, excessively high winds, etc., the OIC will follow the instructions outlined in the safety briefing and their unit or organizations SOP.

e. Small arms and pyrotechnics limitations due to dry weather conditions are IAW the following:

FIRE CONDITION MATRIX/MODEL:

RELATIVE HUMIDITY	60%	50-59%	40-49%	30-39%	20-29%	under20%
CSI INDEX						
0-200	GREEN	GREEN	GREEN	GREEN	GREEN	GREEN
201-400	GREEN	GREEN	GREEN	AMBER	AMBER	AMBER
401-600	AMBER	AMBER	RED	BLACK	BLACK	BLACK
601-800	RED	RED	RED	BLACK	BLACK	BLACK

FIRE CONDITION COLOR CODE:

GREEN-NO LIMITATIONS

AMBER-NO PYRO TECHNICS

RED-(RANGES/IMPACT AREAS) NO TRACER, ROCKETS, OR 35 MM PERMITTED (TRAINING AREAS) NO FIRING OF WEAPONS, EXPLOSIVES OR DEMOLITION OF ANY TYPE PERMITTED. (NBC AREA) USE PREPARED PITS AND SPECIAL AREAS ONLY. NO CS GAS. NO USE OF ANY OPEN FLAME OR HEAT PRODUCING DEVICES OF ANY TYPE.

BLACK- ONLY BALL AMMUNITION ON STATIC RANGES WILL BE ALLOWED. NO OTHER FIRING WILL BE PERMITTED ON ANY RANGE OR IN ANY TRAINING AREA.

Range Control currently receives a daily report from the Virginia Department of Forestry in Waverly, Va. (834-2300) with the current CSI* number. That report is received at approximately 0830Hrs. Range Control then uses the CSI

number of the day and the current relative humidity (taken via the internet at www.weather.com) and determines the daily fire condition "color code" status for that day. Range Control makes an additional check of the local humidity at 1300 hrs. to determine the "new" fire condition, due to usual afternoon drop in humidity. Once the CSI reaches and exceeds the level of 600 pyrotechnics and tracers will not be fired on any range or training area, regardless of the humidity.

5-7. Handling/Reporting Accidents

- a. The Range OIC will immediately call a cease-fire and/or stop training if there is any accident/incident.
- b. If an injury involves a threat to life, limb, or sight occurs, the Range or Training area OIC will notify 911 and then Range Control immediately, by FM radio provided, or telephonically at extensions 804-765-2286/2287, or in person at Bldg 17142.
- c. Range Control will notify the Installation Range Officer, at 804-765-3673 and the Installation Safety Officer, at 765-1661
- d. If the accident is caused by a weapon and/or ammunition malfunction the Range OIC will:
 - (1) Notify Range Control. If it was a weapon malfunction, leave the weapon and all settings exactly as they were; if it was an ammunition malfunction, segregate all ammunition of the same lot.
 - (2) Delay resumption of firing until authorized by Range Control.
 - (3) Report malfunctions as prescribed in AR 75-1.

5-8. Range/Training Area Police

- a. Directorates and activities responsible for assigned training areas will ensure that they are inspected periodically for police and maintenance.
- b. Upon completion of training, the Range/Training Area OIC will ensure that a thorough police of the ranges/training areas used to ensure that no trash, ammunition boxes or other debris have been left in the area. All areas occupied during training will be thoroughly policed. If a training area has not been policed upon occupation by another using unit, the using unit must notify Range Control of the situation or will be held responsible for the area regardless of the condition. Before departure from the range or training area, the Range/Training Area OIC will contact Range Control and request a clearance inspection. If it is impossible for the inspection to be conducted prior to unit's departure, the Range/Training Area OIC will designate a responsible individual who participated in the field training to accompany Range Control personnel on a subsequent inspection at a time designated by Range Control.

c. Burying of trash on any part of Fort Lee is prohibited without exception. Refuse will be deposited in dumpsites in range areas, an approved commercial landfill or returned to home station.

d. Units conducting FTXs; to include, WTBDs and ARTEPs, will "police as they go" from area to area. After completion of WTBDs ARTEPs or FTXs, units will conduct a thorough police of all areas and request an inspection of maneuver areas.

5-9. Private Property

Unit commanders are reminded that they will be held responsible for the destruction or damage of private property on or bordering Fort Lee during the conduct of training exercises.

5-10. Liability for Damages

a. Restitution for any damage, loss, or theft of range or training area equipment or facilities is the responsibility of the using unit/organization. The using unit/organization may make restitution, as required, by immediately repairing any damage or by replacing any lost or stolen equipment. Arrangements for appropriate restitution must be made before Range Control will clear the using unit.

b. Any unit which fails to clear a range or training area through failure to correct a deficiency or provide restitution for any damage, loss, or theft of range equipment or facilities will be denied further access to Fort Lee range or training area facilities until the required restitution or correction is made IAW AR 735-5 Property Accountability Policies and DA Pam 710-2-1 Using Unit Supply System (Manual Procedures).

c. The using unit/organization will be held responsible for installation costs incurred from environmental damages, restoration, violations, and fines.

5-11. Lost Soldiers.

a. Report lost Soldiers immediately to Range Control, extension 804-765-2286/2287, and include the following:

Note: The unit is responsible for conducting a search and notifying Range Control when the Soldier is found.

- (1) Name, rank, unit, and social security number of lost soldier.
- (2). Date, time and location last seen.
- (3). Soldier's physical status (injured, uninjured).
- (4). Type of training being conducted at time of disappearance.
- (5). Request for assistance.

b. If lost Soldier(s) cannot be found within the Fort Lee range or training area facilities, the unit will immediately contact/coordinate with the appropriate organizations/agencies to report missing Soldier.

5-12. Privately Owned Vehicles (POV)

a. POVs are prohibited in any tactical training or bivouac (FTX) area; i.e., impact area, entrance to ASP and firebreaks. POVs are prohibited from parking on roads traversing or providing access to these areas. POVs will not park on any seeded area on ranges/training areas. POVs may be parked in designated range parking areas.

b. No privately owned motorcycles, three or four-wheeled all terrain vehicles (ATV) or other off-road vehicles are authorized in the Fort Lee training complex.

c. POV entry inside the impact boundary road is considered hazardous and is prohibited. Range Control will notify the PMO and other agencies, as required, of POVs discovered inside the impact boundary road. Hunting program participants are the exception and must be IAW [FL Policy 14-12](#).

d. Violations of this paragraph will be considered a safety hazard, which was briefed IAW paragraph 2-5c.

5-13. Speed Limits and Vehicle Safety.

a. No tactical vehicle will travel faster than 35 miles per hour on hard surface roads or 25 miles per hour on dirt roads.

b. All drivers will adhere to all posted speed limits, or as weather/road conditions may indicate a more prudent and reasonable speed.

c. Speed limit for passing troops road marching or running physical training on Range roads is 5 miles per hour. No passing of marching troops at night.

5-14. Bivouac (FTX) Areas

Training Division, DPTMS, will identify areas available for bivouac (FTX) sites. Bivouac (FTX) sites can be used for tactical or non-tactical administrative bivouac activities as requested. The uses of pyrotechnics, chlorobenzylaluminum nitride (CS) gas, field latrines, sumps, foxholes, fighting positions, etc., are prohibited in administrative/Non Tactical bivouac (FTX) sites. Tactical and Transportation Motor Pool (TMP) commercial issue 5-ton trucks may operate within bivouac (FTX) areas in accordance with all applicable safety policies and procedures. Vehicles are not authorized to leave the hard surface roads inside the range complex. Violations will be reported and may result in loss of the Training Area.

5-15. Range Roads and Firebreaks

a. Foot Marches (FM 21-18). Commanders conducting foot marches along hard surfaced and range roads either during the day or at night will have a road guard 100 meters in the front and rear of the column to alert all vehicle drivers that troops are on the road.

(1). Foot road marches will be as far as possible to the side of the road and will not exceed columns of two.

(2). Units crossing major hard surface roads will do so as fast as possible. If further assistance is needed, contact PMO.

b. PT Runs on Range Roads. Units conducting PT runs on Range/Training area roads will be in two columns with two road guards 50 meters to the front and rear of the formation with reflective vests and flashlights. Units running will not cross over the centerline or block traffic in the opposite traffic lane. Individual PT runners/stragglers will not obstruct traffic by running in the roadway.

c. Speed Limits and Vehicle Safety IAW paragraph 5-10.

5-16. Foot and Vehicle Movement Planning Consideration

a. All foot troops marching along any primary road will be in a tactical formation (FM 21-18), using the extreme right and left sides of the road. Front and rear road guards are to wear reflective vests and have flashlights with traffic cones and red filters.

b. The following conditions apply to blackout or night vision driving:

(1) Blackout or night vision driving will be permitted only in the maneuver area north of Temple Avenue (Route 144).

(2) Blackout speeds will be consistent with weather, terrain, and the night vision ability of the individual driver. The interval will be 15-20 meters.

c. Ground guides will be used on any Range or anytime vehicle movement is required in the vicinity of dismounted warriors.

5-17. Conduct of Entry Control Point Training

a. Range Control has one training area (TA27) set up for Entry Control Point Training, and can be scheduled using the procedures outlined in Chapter 3. Any additional temporary construction of barriers along range roads must be scheduled and coordinated in advance.

b. Location of all obstacles, which will interfere with traffic flow, will be reported to Range Control prior to emplacement. All temporary obstacles will be removed and the

area restored to its original condition (as much as possible) at the completion of training. Removal of obstacles will also be reported to Range Control.

- c. Explosives will be used IAW procedures listed in AR 385-63 and this regulation.

5-18. Risk Management (ATP 5-19/TR 385-2)

a. Risk management is our most effective tool to protect the force by providing a systematic framework for identifying and controlling risks in all environments and operations. Commanders will accept no risk unless the potential benefit outweighs the potential loss.

b. Risk decisions will be based on the residual risk of an activity after applying appropriate control measures. Use the appropriate risk decision authority for your command.

c. For the appropriate risk decision authority when activities occur outside Fort Lee or involve explosives, chemical and biological agents, refer to DA PAM 385-30, Mishap Risk Management.

d. A signed and accurate copy of the Risk Assessment will be turned into Range Control prior to execution of any training or Range Firing.

5-19. Severe Weather

a. Range Control monitors the local weather via the internet and receives weather warnings from the IOC. As severe weather notifications are received, Range Control will announce those warnings via FM Radio as a net call to any unit/entity that is in a training status. Units will immediately implement *their* SOP for severe weather.

b. All covered bleachers on Fort Lee Ranges/Training Areas are Lightning-protected.

c. A Severe Weather Watch means that conditions are favorable for the development of severe weather and a Severe Weather Warning means that severe weather is occurring, imminent, or likely in the location.

d. Fort Lee has an early warning emergency system and at any time you hear the system alert take heed and implement your unit's SOP for severe weather.

Chapter 6 Range/Training Area Communication

6-1. Range Control

Range Control is primarily a control facility. The primary responsibilities of Range Control personnel are to coordinate the firing of live-fire ranges and training areas. These duties require brief conversations with callers by both radio (primary) and telephone

(secondary). Use of range communications systems for personal calls will be kept to a minimum; e.g., emergency personal calls, unit business, etc. Aircraft using Fort Lee Airspace must notify Range Control when entering and leaving (frequency VHF 126.2).

6-2. Radio Telephone Procedures

a. Range Control is located in building 17142, extensions 804-765-2286/2287. Telephones are located in each tower for secondary communication.

b. Range Control will issue using units a Handheld FM radio upon signing for the training facility for communication with Range Control.

c. Range Control personnel are authorized to monitor radio communications for purposes of determining nature of communications and are authorized to terminate unnecessary calls.

d. Handheld FM radios are the primary means of communications between user units and Range Control ONLY.

e. Units are expected to be familiar with and use proper radiotelephone procedures.

f. Units are required to provide their own internal communications.

g. Radio checks are conducted at the top of every hour, initiated by the unit, Failure to make the required radio checks will result in the range being placed in Check-fire and training to be curtailed until communications have been re-established.

Chapter 7 Ammunition

7-1. Purpose

To provide responsibilities and procedures for forecasting, requisitioning, issuing, accounting for, handling, transporting and turning in ammunition, related components and residue. This chapter applies to all elements subordinate to USACASCOM&FL that have authorized and approved requirements for ammunition to be issued from Fort Lee to include Active Army, U.S. Army Reserve (USAR), Reserve Officer Training Corps (ROTC), Junior Reserve Officer Training Corps, Army National Guard (ARNG), and other agencies/organizations covered by inter-service support agreements. Ammunition is managed through the Total Ammunition Management Information System (TAMIS).

7-2. Ammunition Requirements

DPTMS, Installation Ammunition Manager will request ammunition requirements from using units for the upcoming fiscal year in November/December timeframe. This request will have a suspense in order to meet the ACOM's suspense. Requirements are based

on units MTOE, unit strength, DA PAM 350-38 (Standards in Training Commission)18 Nov 13, student load, program of instruction (POI) and historical expenditure reports. After review, the Ammunition Manager presents the ACOMs with the upcoming fiscal year requirements.

7-3. Forecasting Ammunition

Units will forecast their ammunition through the forecast module in TAMIS once notified their authorizations have been loaded. Ammunition forecasts have a 90-day lock-out. This lock-out period ensures ammunition stocks will be reviewed and ammunition will be shipped to support unit forecasts. If given the right for the Forecast Move Tool in TAMIS, forecasted amounts can be moved from UIC to UIC for the same forecasted month at the same ASP. Units must update forecasts as training requirements/calendar changes, so forecasted quantities not issued are not automatically carried forward to the next month. As soon as ammunition requirements for ceremonies, burial, and guard duty are known, a forecast for operational ammunition will be entered into TAMIS. Unforecasted ammunition requirements are subject to approval through the appropriate ACOM.

NOTE: *To ensure overall live-fire safety on all Fort Lee range areas and surrounding training areas, CASCOM Staff, Schools, and Units will no longer use or order the M855A1 EPR 5.56 service round for M16/M4 qualification or training purposes.*

7-4. Request Ammunition

Ammunition requests for Issue will be prepared in the Manage 581 module in TAMIS. The e581 is the electronic version of the DA Form 581. Requests for issue should be prepared at a minimum two weeks prior to pickup date.

7-5. Authorized Signatures

DA Form 1687, Signature Card will be prepared by the unit and submitted through Installation Ammunition Manager, DPTMS, to Ammunition Office, Supply Division, LRC - LEE in original signatures. Commanders can delegate authority to SGT and above and equivalent DA Civilian to sign as requestor (Block 13c) on e581. Commanders can approve contractors to sign as approver (Block 14) on e581 and to sign as receiver (Block 31B) on e581.

7-6. Accountability

- a. Unit commanders are responsible for requisitioning, pickup, the safe transporting, handling and storing, and the turn-in of ammunition used on the range and in training areas.
- b. Units are responsible for turning in all unfired rounds, brass and residue. All requests for issue (e581) will be reconciled in TAMIS.
- c. If a dud producing round is drawn, the dud report in TAMIS must

be completed. If a dud is produced, the quantity will be entered in the appropriate space on the dud report. If no dud was produced, a zero will be entered in the appropriate space on the dud report.

d. Ammunition will not be issued to personnel until they are on the ready line or firing line; no weapon will be locked or loaded until instructed to do so by Range Control.

7-7. Transporting

a. Units transporting ammunition by vehicle must comply with provisions of TM 9-1300-206 (Ammunition and Explosives Standards) paragraph 6-13a, (transportation requirements), 16-3b (precautions). Units must also be in compliance with [FORSCOM Regulation 55-1](#) (Unit Movement Planning) dated Oct 97; DOD 4500.9-R (Defense Transportation Regulation, Part 2) dated Apr 96; [DA PAM 385-64](#) (Ammunition and Explosives Safety Standards); AR 190-11 (Physical Security of Arms, Ammunition, and Explosives) and LRC - LEE procedures in Memorandum for Ammunition Customers.

b. When transporting ammunition, depending on weight and UN# of ammo, placards may be required to be placed on both sides, front and rear of each military vehicle in accordance with CFR 49, Subpart F, Placarding (712.500). Any vehicle not displaying placards will not be allowed on range complex or to continue range operations. Drivers must have all applicable forms readily available i.e. [DD Form 626](#) and or [DD Form 2890/DD Form 2890C](#).

c. Military vehicles will be equipped with two fire extinguishers for class A, B and C fire.

d. Smoking in or within 50 feet of a vehicle carrying ammunition or explosives is prohibited.

e. Ammunition may only be transported in military vehicles.

7-8. Positioning

a. Place ammunition on the range only at designated ASPs and IAW TM 9-1300-206.

b. Cover ammunition to protect it from the elements and from the direct rays of the sun. Provide air circulation between the ammunition and the cover to ensure uniform temperature.

c. No smoking will be allowed within 50 feet of ammunition. Troop concentrations will not be within 200 feet of explosives, ammunition storage or handling points.

7-9. Chemical Agents and Smoke

a. Chemical Agents.

(1) Tear agent grenades are prohibited for use on Fort Lee. Smoke grenades will not be used within 500 meters of any quarters. Obtain prior clearance to use tear agent or smoke grenades from Range Control and verify again on the day scheduled, before actual use.

(2) The only agents permitted in training at Fort Lee are Chlorobenzaylmalononitrile CS and Chloroacetophenane (CN) tear agents.

(3) Grenades will project an igniter holder assembly about 15 feet away from the grenade when fired. Exercise care to ensure the assembly does not strike personnel.

(4) Personnel will be aware of restrictions imposed by the chlorobenzaylmalononitrile index.

b. Smoke.

(1) Smoke can be generated by smoke grenades. Units will not employ smoke within 250 meters of the reservation boundary or government quarters.

(2) Units employing smoke near surfaced roads will position, at a minimum, 2 road guards (with FM communications to the Range/Training area OIC or RSO) to alert vehicle traffic to the possible smoke effects across the road.

(3) Smoke produced by the M8 White Smoke Hand Grenade is classed as HC smoke. Personnel operating within 300 meters downwind of a burning M8 smoke grenade will wear the protective mask until the smoke dissipates. Personnel operating in non-HC smoke areas will have the protective mask available for use any time breathing discomfort is experienced.

(4) Personnel will carry the protective mask while participating in exercises that include the use of smoke as a training device.

(5) Personnel will wear mask:

(6) Before exposure to smoke concentrations of HC smoke or metallic powder obscurants.

(7) When passing through or operating in dense smoke (visibility less than 50 meters) such as smoke blankets and smoke curtains.

(8) When operating in or passing through a smoke haze (visibility greater than 50 meters) for duration in excess of 4 hours.

(9) Anytime exposure to smoke produces breathing difficulty, eye irritation or discomfort.

7-10. Pyrotechnics, Simulators and Blanks

a. Pyrotechnics.

(1) Pyrotechnics may be used in training areas if approved by Range Control the day of use. The use of pyrotechnics within 100 meters of the reservation boundary is prohibited.

(2) Personnel authorized to use pyrotechnic simulators will be Sergeant or above. A thorough safety briefing will be conducted by the Range/Training Area OIC, addressing the proper use of pyrotechnic simulator before the use of such devices.

(3) Operational instructions for use of the M117, M118 and M119 are included in each packet. Instructions for use of the M115 and M116 are printed on the side of simulators. Detailed instructions for the safe use of simulators are contained in TM 9-1370-207-10.

(4) The firing of pyrotechnics in tactical training areas may cause range/training area fires. Tactical training areas contain ample fuel for starting and sustaining range fires; therefore, personnel using pyrotechnics must exercise caution to avoid the accidental start of fire. Remove trip flares and booby traps not detonated during training prior to departing the area.

(5) No pyrotechnics will be ignited within 15 meters of personnel or equipment.

(6) If, during use, a pyrotechnic fails to properly operate and cause injury, notify Range Control (extension 765-2286/2287) immediately. The OIC of training will freeze the accident site until released by a representative of Directorate of Logistics (LRC - LEE).

(7) Each service trip flare (M48/M49) will be fenced (engineer tape, etc.) or guarded to prevent personnel from approaching within 2 meters of the flare.

b. Simulators.

(1) Individuals using any fire device or simulator, etc., must be familiar with TM 9-1345-200, TM 9-1370-206-10, TM 9-1370-207-10 and TM9-1370-208-10.

(2) Simulators will not be ignited within 15 meters of a soldier, or thrown over the heads of soldiers.

(3) Once activated, a grenade or artillery simulator will be immediately thrown. Holding for cook-off is prohibited. Do not hold the M80 when ignited, it will detonate 3 to 5 seconds after ignition of the fuse.

c. Use of Blank Ammunition.

(1) Blank cartridges will not be fired toward personnel within 6 meters of the weapon. Blank cartridges will not be used for other than their intended use. When misfires in excess of five percent occur in firing blank cartridges, the lot of ammunition will be suspended and reported to Range Control.

(2) All blank cartridges will be policed prior to clearing the Range/Training area.

7-11. Handling

a. Procedures for correct ammunition handling will be IAW Supply Division, LRC - LEE policies.

b. Tampering, experimenting, inserting or altering ammunition, pyrotechnics, explosives, or components thereof is prohibited.

c. Ammunition containers will be inspected prior to disposal to ensure that they do not contain any live rounds, components or brass.

d. To ensure that no ammunition, explosives or components remain in the hands of any individual departing the range; a "shakedown" inspection will be conducted prior to anyone being released from the range.

e. Found ammunition (dud or live) should be handled as follows:

(1) Range/Training Area OICs are responsible for instructing all personnel that ammunition above .50 caliber will not be touched. Ammunition found outside an impact zone will be clearly marked with a stake at least 4 feet long and/or a flag. A report will be submitted to Range Control by telephone or FM radio containing the following information:

(a) Location and method of marking (grid coordinates).

(b) Number and type of ammunition (if known).

(c) Point of contact.

(2) 50 caliber ammunition and smaller will be turned in at the ASP.

7-12. Turn-in

a. Range OICs are responsible for returning all unused ammunition, packing materials, components, and brass to the ASP IAW [DA PAM 710-2-1](#), Transporting and per LRC - LEE procedures in Memorandum for Ammunition Customers.

b. Overnight storage of ammunition, explosives, or components on ranges is prohibited without specific permission of the Installation Range Officer, DPTMS. This temporary storage can only be authorized if a guard post is established and maintained during the entire period that the unit is not in the area. Under no circumstances will

ammunition or components be left unattended. Temporary storage of ammunition will be IAW AR 190-11.

c. Ammunition and residue will be turned-in 5-days after training is completed or by date set by LRC - LEE.

7-13. Misfires

a. Misfires, hang-fires, and ammunition malfunctions will be treated IAW AR 385-64, AR 385-63 and TMs for weapon involved. All misfires and defective ammunition, except duds, will be returned to the original packing container, segregated from serviceable items, and returned to the Installation Ammunition Inspector.

b. Misfires will not be mixed with other ammunition being returned to the ASP. They will be kept separated at all times.

7-14. Malfunction Reporting

a. AR 75-1, AR 385-40, and AR 385-63 are references required for reporting malfunctions and accidents. The Range OIC will report immediately any malfunction or accident involving ammunition to Range Control, who in turn will notify the LRC - LEE. Evidence (including materials, weapons fragments. etc.) will not be moved except by authority of the LRC - LEE.

b. Report malfunctions using the following format:

- (1) Type of report (misfire or dud/malfunction)
- (2) Name, rank, unit of Range OIC.
- (3) Location of misfire.
- (4) Type/caliber of weapons.
- (5) Lot number.
- (6) National Stock Number.
- (7) Total rounds fired.
- (8) Total misfires or duds.
- (9) Comments.

c. Small arms ammunition (blank, in particular) will be inspected immediately prior to use by qualified personnel of the using unit to ensure that there has not been any tampering with such ammunition. Ammunition bearing evidence of tampering (e.g., lacquer seal in mouth of cartridge missing or marred scratches or burrs on mouth of

cartridge) will be set aside to be turned in to LRC - LEE, ASP personnel who will report to the Quality Assurance Ammunition Specialist.

7-15. Duds

a. A dud is any explosive munitions such as a fuse, projectile, grenade or mine, which has been fired from a gun or otherwise, activated and has failed to detonate. Any object that appears to be a dud will be presumed to be one.

b. Range/Training Area OICs are responsible for instructing all personnel that duds are not to be disturbed under any circumstances. In the interest of safety, it is the duty of all personnel to note the exact location of duds and report them to Range Control.

c. Range OICs and commanders must brief and frequently remind personnel on the danger of duds. Duds are not to be picked up, handled, or in any way disturbed. Artillery or mortar projectiles, rockets, grenades, aircraft flares, pyrotechnic devices, simulators or any ammunition that has been fired but failed to detonate (readily identifiable or not) will be treated as duds.

d. The removal from any range, firing area, or training area of any component, part of the projectile or other identifiable objects associated with explosives is strictly prohibited.

e. Duds located outside of an impact zone will be clearly marked with a stake at least 4 feet long and/or a flag. A report will be submitted to Range Control, extensions 804-765-2286/2287 containing the following information:

(1) Coordinates of the dud and how EOD personnel mark it for easy location.

(2) Number and type of duds, if known.

(3) Name of individual who knows the location of duds.

(4) Name, unit and telephone number of person reporting dud.

f. Qualified personnel from EOD will clear all duds.

g. All lost or stolen ammunition must be reported to the Military Police as soon as discovered.

7-16. Amnesty

The amnesty program is designed to permit military and civilian personnel to turn-in ammunition and explosives which are in their possession either improperly or accidentally. This program is provided to ensure that ammunition is properly and safely disposed of by the government without an investigation being conducted by the government as a result. Responsibility for a turn in is not solely assigned to any one individual. Amnesty Program users do so in complete anonymity and without the fear of punishment on their behalf. Ammunition found should be turned-in in accordance with procedures outlined in DA

PAM 710-2-1, para 11-19 (Amnesty Program). However, the program is not designed for organizations to turn-in unused ammunition or residue in lieu of the proper procedures outlined in DA PAM 710-2-1. Properly issued ammunition held by officials of an organization must turn-in ammunition using [DA Form 581/DA Form 581-1](#), and the instructions described in DA PAM 710-2-1 to ensure a continued audit trail.

Chapter 8

Medical Support for Training

8-1. Explanation of Terms

- a. Emergency Medical Service (EMS) Ambulance. A vehicle that meets federal design criteria for emergency patient care.
- b. Patient Transport Vehicle (PTV). Any vehicle designated to move ambulatory and/or injured patients.
- c. Medical Specialist. A medically-trained individual awarded a military occupational specialty as a medical specialist after completion of advanced individual training.
- d. Combat Lifesaver (CLS). Graduate of a certified CLS Course.
- e. Director of Health Services (DHS). Commander, USAMEDDAC, Fort Lee, VA.

8-2. Responsibilities

- a. Unit commanders will:
 - (1) Ensure training events have approved medical support as stated in paragraphs 8-4 and 8-5. In circumstances where the type of training or operation indicates an unusual degree of hazard, medical support beyond the requirements stated in 8-3 and 8-4 should be requested in writing at the time of the submission of the medical support request.
 - (2) Request adequate medical support for miscellaneous training exercises (i.e., field training exercise (FTX), Army training tests, etc.).
 - (3) Make notification of cancellation by telephone to the unit providing the medical support.
 - (4) Units are required to provide a designated PTV capable of transporting ambulatory and litter patients (2-1/2 ton vehicle, HUMMV, GSA Van with seats removed etc.). This must be a covered vehicle and will be used as a PTV ONLY.

b. The Operations Officer, DPTMS, will receive all Fort Lee Forms 300-1 (Request for Personnel or Equipment Support) on Fort Lee and forward them to the appropriate organization to provide support.

8-3. Procedures

a. Submit requests for medical support on FL Form 300- (Figure) in three copies. Submit request to the Operations Officer, DPTMS, and NLT 45 days prior to the date in which the training event is scheduled to occur.

b. Any request for medical support that cannot meet the time requirement stated above (if routed through the distribution system) must be Hand-carried through the approval channels. Requests not meeting the time requirements may be returned without action.

c. Reserve Component and National Guard are required to provide their own organic medical support for the activities mentioned above. See 83a, for medical request procedures.

8-4. Medical Requirements for Non-firing Training

a. Parachute exercises conducted in the vicinity of Fort Lee, both daylight and darkness, require medical support at the drop zone, normally a medical specialist with radio and aid bag; and PTV (PTV provided by the requesting unit). Personnel requiring evacuation will be transported to John Randolph Hospital or Southside Regional Medical Center.

b. Units that are in an administrative posture in the field will at a minimum have a CLS on site and the risk assessment will reflect this.

8-5. Medical Requirements for Range Firing

a. A Health Care Specialist with the following capabilities must be present on all ranges during the conduct of live-firing.

(1) The unit medical representative must be one of the the following:

(a) Certified CLS

(b) PMOS 68W Health Care Specialist

(c) Licensed emergency medical technician (EMT)

(2) The Health Care Specialist must have:

(a) Standard CLS Bag as a minimum. Nothing will be added or subtracted from the following packing list. Deviations are considered a safety violation. The bag will contain the following items only:

COMBAT LIFESAVER MEDICAL EQUIPMENT SET:

Quantity and Item

- 1 Case, medical set, nylon (aid bag)
- 1 Tourniquet, combat application (CAT(TM))3
- 3 Bandage, muslin, compressed ("cravat" bandage)
- 2 Bandage, gauze, 6-ply, 4-1/2 in. (Kerlix(R))4
- 2 Bandage kit, elastic ("trauma dressing")3
- 1 Bandage, hemorrhage control, 4x4", sterile, chitosan dressing ("hemostatic bandage")1,3
- 1 Catheter and needle unit, 14 gauge3
- 1 Adhesive tape, surgical, silk, 3" 4
- 2 Hetastarch in lactated electrolyte injection, 500 ml (Hextend(R))1,4
- 2 Catheter and needle unit, 18 gauge, intravenous
- 1 Adapter, catheter ("saline lock")3
- 1 Tourniquet, non-pneumatic ("constricting band")4
- 1 Dressing, occlusive, clear, 4.75x4" (Tegaderm(TM))3
- 2 Pad, isopropyl alcohol (alcohol pads)
- 2 Pad, povidone-iodine ("Betadine(R)" pads)
- 1 Syringe and needle, hypodermic, 3 ml, 23 gauge (to flush saline lock)3
- 1 Intravenous injection set
- 1 Airway, nasopharyngeal4
- 1 Splint, universal, aluminum ("SAM(R)" splint)
- 1 Bandage, elastic, 6" x 4-1/2 yd. ("Ace" bandage)3
- 1 Dressing, first aid, field, 113/4" ("abdominal dressing")
- 1 Scissors, bandage
- 2 Oral rehydration salts3
- 2 Gloves, patient examining
- 1 Field Medical Card

(b) A covered, litter capable, PTV with qualified licensed driver other than the Health Care Specialist. The PTV must be ready to receive a patient at all times and may not be used for any other purpose.

(c) The driver must know the quickest route to John Randolph Hospital or Southside Regional Medical Center.

b. If a serious injury does occur, follow the procedures described in paragraph 5-4.

c. Members of civilian organizations authorized to use ranges must use civilian medical facilities.

8-6. Accident Reporting

Reporting accidents in case of an injury, the Range/Training Area OIC will:

a. Call a cease-fire.

- b. Render first aid and evacuate the casualty or call 911 if necessary.
- c. Notify Range Control, extensions 804-765-2286/2287 or by FM when possible.
- d. Delay the resumption of firing until a preliminary investigation has been completed by PMO.

8-7. Guidelines for Physical Activity During Hot Weather Condition

The human body temperature is regulated within extremely narrow limits. Exposures to high environmental temperatures produce stress on the body that may lead to a heat injury. However, the key thing to remember is that heat injuries are preventable, proper education and guidance as outlined in TB MED 507, FM 21-10, Chapter 2 Section I and TR 350-29 are effective commanders' tools in the prevention of heat injuries. For further assistance, visit the U.S. Army Public Health Command site, <http://phc.amedd.army.mil/topics/discond/hipss/Pages/HeatinjuryPrevention.aspx>

a. Heat Injuries (Four types).

(1) Sunburn. Caused by overexposure to ultraviolet rays of the sun. Usually occurs on clear sunny days, but can also occur on cloudy days when ultraviolet rays are intense. Most common in tropical areas and summer months and areas of high altitude, where snow can amplify the effects of the sun. Shielding the skin with proper use of clothing, shelter, sun lotions, and limited exposure will prevent burning. Sunburn can facilitate the onset of additional heat injuries. Do not use sun lotions that are past their expiration date. These lotions can have a magnifying effect and accelerate sunburn.

(2) Heat Cramps. Caused by excessive salt loss in perspiration. They are painful cramps in the arms, legs, and abdominal muscles. Treatment consists of resting in a shaded area and drinking cool water. If cramps persist, seek treatment by medical personnel.

(3) Heat Exhaustion. As previously described in dehydration, heat exhaustion is caused by excessive loss of water from the body. Signs and symptoms include profuse sweating, rapid and weak pulse, skin feels cold and moist. Treatment consists of removal from the heat (shade), loosening of clothing, elevation of legs, and drinking cool water. See also treatment for heat stroke below. Seek medical aid as soon as possible.

(4) Heatstroke. Statistically, one of four heatstroke casualties dies. Heatstroke is caused by the body's inability to dissipate or lose heat (due to dehydration, stress overexertion, lack of rest, improper diet, or a combination of all). Its onset is often sudden, with delirium, convulsions, and/or lack of consciousness. The soldier does not regain consciousness after he/she has lain down for a few minutes. The skin is dry and hot (sweating will be absent or greatly reduced). Body temperature is high (106° F or higher is possible).

b. Following is a chart that outlines the current doctrine for the different heat categories and the recommended activities and water consumption for each heat category.

Heat Category	WBGT Index (F)	Easy Work		Moderate Work		Hard Work	
		Work / Rest *	Water per Hour	Work / Rest *	Water per Hour	Work / Rest *	Water per Hour
1	78-81.9	No limit	1/2 quart	No limit	3/4 quart	40/20 min	3/4 quart
2	82-84.9	No limit	1/2 quart	50/10 min	3/4 quart	30/30 min	1 quart
3	85-87.9	No limit	3/4 quart	40/20 min	3/4 quart	30/30 min	1 quart
4	88-89.9	No limit	3/4 quart	30/30 min	3/4 quart	20/40 min	1 quart
5	>90	50/10 min	1 quart	20/40 min	1 quart	10/50 min	1 quart
<p>*Rest means minimal physical activity (sitting or standing) and should be accomplished in the shade if possible. Note 1: The work / rest times and fluid replacement volumes will sustain performance and hydration for at least 4 hours of work in the specific heat category. Individual water needs will vary (+/-) 1/4 quart per hour. Note 2: CAUTION: Hourly fluid intake should not exceed 1 1/2 quarts. Daily fluid intake should not exceed 12 quarts. Note 3: Wearing body armor adds 5 degrees (F) to WBGT index. Note 4: MOPP gear adds 10 degrees (F) to WBGT index.</p>							
		Easy Work		Moderate Work		Hard Work	
		Walking hard surfaces at 2.5 mph with a 30 lbs or less load. Weapon maintenance. Manual of arms Marksmanship training Drill and ceremony		Walking hard surfaces at 3.5 mph with from 31 to 40 lbs load. Walking loose sand at 2.5 mph with no load. Calisthenics Patrolling Individual movement techniques Defensive position construction Field assaults		Walkin hard surface at 3.5 mph with more that 40 lbs load. Walkin loose sand at 2.5 mph wih load.	
<p>Soldiers who are overweight, dieting, or past heat casualties are more prone to heat injuries. As a result, their activities must be closely monitored. Effective: April 1999</p>							

8-8. Prevention of Cold Injuries (Use Wind-chill Chart)

a. Prevention of cold injury is a command responsibility. Leadership and good judgment during cold weather prevents more injuries than all other measures combined. Adequate cold weather training, based upon the principles outlined in TB MM 81 and FM 21-10, Chapter 2 Section II is essential. The enclosure of physical training in cold weather is provided for your dissemination.

b. There are three basic types of cold injuries:

(1) Hypothermia, a significant drop in the body's core temperature.

(2) Frostbite, damage from ice crystals forming in the tissue.

(3) Trench or immersion foot, occurs at temperatures well above freezing due to prolonged exposure to wet, cold footwear. Soldiers are also at risk from dehydration, carbon monoxide poisoning, snow blindness falls, and motor vehicle accidents during winter weather.

c. It would be relatively simple to refer to standard wind chill chart such as the one located below; when conditions hit the increasing danger zone, don't train. The decision-making problems occur when conditions get to the marginal zones. In these cases, wind and rain become the most important variables that impact on the decision to train.

d. The wind chill chart illustrates the effect that wind can have on the development of cold injury. It is important to remember that immersion foot or trench foot can occur at any temperature. It is impossible to establish a chart that includes the effect of wetness. However, it is safe to say that individuals who get wet can expect the danger lines in this chart to shift to the left. Trench foot and immersion foot may occur at any point on this chart ($F = 9/5C + 32$).

Wind Chill Chart - Wind speeds greater than 40 mph have little additional effect.													
Actual Temperature	50	40	30	20	10	0	-10	-20	-30	-40	-50	-60	
Windspeed (mph)	Equivalent Chill Temperature												
0	50	40	30	20	10	0	-10	-20	-30	-40	-50	-60	
5	48	37	27	16	6	-5	-15	-26	-36	-47	-57	-68	
10	40	28	16	4	-9	-24	-33	-46	-58	-70	-83	-95	
15	36	22	9	-5	-18	-32	-46	-58	-72	-85	-99	-112	
20	32	18	4	-10	-25	-39	-53	-67	-82	-96	-110	-121	
25	30	16	0	-15	-29	-44	-59	-74	-88	-104	-118	-133	
30	28	13	-2	-18	-33	-48	-63	-79	-94	-109	-125	-140	
Little Danger in less than 1 hour with dry skin. Maximum danger of false sense of security.													
Increasing Danger from freezing of exposed flesh within one minute.													
Great Danger in flesh freezing within 20 seconds.													

HOW TO USE WIND CHILL CHART: Find the wind speed in the left-hand column, and then read across to the column under the actual temperature. This number is the equivalent temperature which is blowing at 20 mph (32 kph) and the actual temperature reading is 10 F (-12C); the effect on skin would be the same as a temperature reading of -25F (-32C) under calm conditions. Any movement has the same cooling effect as the wind. Running, skiing, or riding in an open vehicle must be considered in using the wind chill chart.

Chapter 9 Preservation and Protection of the Environment

9-1. Purpose

The purpose of this chapter is to establish policies and procedures for preservation and protection of the environment in the Fort Lee area.

9-2.Procedures

- a. Training and field exercises will be conducted in a manner that will least damage the environment while still accomplishing training objectives.
- b. Types of foliage approved for use as camouflage are pines, cedars and any small saplings at Fort Lee.
- c. Firewood cutting program allows only deadfall timber to be cut for firewood on the reservation. Anyone cutting firewood on the reservation must have possession of Fort Lee 710, Firewood License Information, indicating the date and location for authorization. Permits for woodcutting are issued by EMO (53560).
- d. Trees will not be cut down in any training area by tactical units except as authorized by DPW. Requests may be made in writing or by telephone, extension 804-734-3560/5080.
- e. Maximum use will be made of established trails and range roads for administrative moves. Range Control and the Environmental Office; Fort Lee shall approve digging and earth moving operations. Areas shall be restored IAW established procedures for the equipment being used to original or better condition after operation is complete. Range Control and/or the Environmental Office will inspect the site before the unit is released from the field. Especially heavy equipment and vehicles shall avoid areas subject to or showing signs of erosion. No digging or land contouring is allowed in these areas. Stream crossings by vehicles should be avoided if possible. If necessary, utilize the existing crossing area.
- f. In areas of severe soil erosion, foxholes and emplacements will be minimized consistent with training objectives (prior approval must be received from DPTMS / 804-765-2286/2287). Foxholes and emplacements will be filled upon completion of the training, prior to departure from the area, to prevent erosion.
- g. Climatic conditions may dictate restrictions on types of ammunition to be fired during portions of the training year to minimize the danger of fires and noise pollution. The Installation Range Officer will advise units daily, if requested, and impose restrictions when adverse climatic conditions dictate; e.g., rainless periods, high winds, etc.
- h. All garbage and rubbish will be properly disposed of in the refuse containers located at the Range Complex or returned to the cantonment area and disposed of IAW established procedures. Refuse containers will be located at selected training sites; e.g., ranges, and at recreational areas. Refuse containers are property of the contractor and will not be removed from their locations. Vehicles transporting all garbage and rubbish shall be covered to prevent wind from depositing debris along haul route while being transported. These shall be transported to the cantonment area for proper disposal and turn-in.

i. Portable latrines are located at various training sites/areas on Fort Lee and will be used in place of expedient field latrines. The Portable Latrines are the property of the contractor and will not be removed from the sited location. Any unit that moves or damages any portable latrines can and will be made responsible for the cost of replacement.

j. If additional Portable Latrines are required, arrangements can be made through DPW, 804-734-5070, 45 days prior to training. Reserve Component units must request portalets through Reserve Component Support Branch, DPTMS. Portable Latrines are to be pumped by the contractor.

k. Environmental Office, DPW, will authorize location and site of all engineer soakage pits, water points, shower points, fuel farms, and deep pit latrines to avoid environmental constraints. Water points, soakage pits and shower points shall be adequately sized and rock filled sumps will be constructed at each facility for the collection and proper treatment of the discharge generated by using units. Upon close out, all sites will be re-stored to original condition and inspected by Range Control and/or the Environmental Office.

l. Used POL, solvents, etc. All spent solvents shall be properly containerized and transported to the Hazardous Waste Manager, EMO, DPW. Waste will be segregated and placed in appropriately labeled drums. Refer to Fort Lee Hazardous Waste SOP Appendix O, for detailed requirements for storage, packaging and turn-in of waste to the Hazardous Waste Manager, EMO, DPE 804-734-3811

m. POL solvents are to be utilized in a manner to stop the contamination of the area. Containers of POL 55 gallons or greater shall be provided with secondary containment.

n. Field operations are to be conducted to minimize interference, disturbance, and damage of fish and wildlife and there habitat.

o. Field activities shall minimize pollution of air resources. All activities, equipment, processes and work shall be conducted to minimize the impact on air resources and be controlled at all times.

p. Volatile Organic Compounds (VOC) Work Practice Standards: VOC shall not be intentionally spilled, discarded in sewers, ditches, waterways or stored in open containers, or handled in any other manner that would result in evaporation beyond that consistent with air pollution practices for minimizing emissions.

q. Pollutant Emitting Equipment/Vehicles: In the event a vehicle/equipment generates exhaust smoke, the operator must shut down the vehicle/equipment immediately and in a manner that ensures safety. Then, the operator must perform repairs or replace the vehicle/equipment with one that can be operated in a manner that adheres to USAG-Fort Lee requirements (.i.e. no smoke).

r. Field activities shall minimize discharge of criteria and hazardous air pollutants, visible and non-visible, to the atmosphere. All activities, equipment, processes, and work shall be conducted and controlled in a manner that reduces pollutant loading to the atmosphere. Such measures include, but are not limited to:

(1) Prohibiting the use of, bombs or grenades on Ozone Alert days. EMO will notify Range Control when such an alert is issued by the state. Range Control will monitor weather conditions and prevent smoke generation on code orange, red, and purple ozone action days. The following web site shall be used:

<http://www.deq.virginia.gov/Programs/Air.aspx>.

<http://www.deq.virginia.gov/Programs/Air.aspx>

(2) Prohibiting the use of (1) above when prevailing winds would carry the smoke off the Fort Lee boundary. Before smoke generation from any device that will produce smoke for greater than a momentary duration (2 minutes) is used, Range Control personnel will inform EMO Air Quality Program Manager (AQPM)x45061. Should the aggregate of discreet smoke generation actions exceed 30 minutes for a given day, inform the AQPM.

(3) Ensuring that all containers of volatile liquids, e.g. Gasoline, solvents, remain tightly closed when not in use, and all used volatiles returned to a tightly closed container for proper disposal.

(4) Lowered speeds for vehicles traveling over dry, dusty areas.

(5) Open burning is not permitted on Fort Lee property. However, IAW paragraph 5-2, Fire Management, b(3), Warming barrels will be considered with proper coordination through Range Control.

9-3. Spill Prevention Control and Countermeasure Plan

a. Facility: Training Area Fuel Farms, Fort Lee, VA 23801

b. Spill Notification and Reporting. In the event of a spill, the following actions shall be taken:

(1) Personnel shall take immediate action to stop further spillage by plugging leaks, re-routing flow and containing the spill in the smallest area possible. Contaminated soil is to be removed, and containerized until appropriate disposition is determined.

(2) Report the spill immediately to Emergency Services, 911, providing the following information:

(a) The location of the spill (grid coordinates).

(b) The type of material spilled

- (c) Quantity of material spilled, if known.
- (d) The direction of flow.
- (e) Possible hazards, injuries, etc.
- (f) Establish security in spill area to mitigate hazards to personnel and equipment.

(g) Cleanup, Disposal and Restoration. Cleanup and disposal of spilled material and restoration of spill area will be accomplished IAW the Installation Spill Contingency Plan.

The proponent of this regulation is the Directorate of Plan, Training, Mobilization and Security. Users are invited to send comments and suggested improvements on DA Form 2028 (Recommended Changes to Publications and Blank Forms) directly to the Commander, USAG Fort Lee, ATTN: IMLE-PLT, 3312 A Avenue, Fort Lee, VA 23801.



PAUL K. BROOKS
Colonel, US Army
Garrison Commander

Annex A References

A-1. Army Regulations

- a. AR 40-5, Preventive Medicine.
- b. AR 75-1 Malfunctions Involving Ammunition and Explosives.
- c. AR 190-5, Motor Vehicle Traffic Supervision.
- d. AR 190-11, Physical Security of Arms, Ammunition and Explosives.
- e. AR 200-1, Environmental Protection and Enhancement.
- f. AR 210-22 Private Organizations on Department of the Army Installations
- g. AR 350.19 The Sustainable Range Program.
- h. AR 385-10 The Army Safety Program.
- i. AR 385-63, Range Safety.
- j. AR 420-1, Army Facilities Management.
- k. DA Pam 385-64 Ammunition and Explosives Safety Standards.
- l. DA Pam 385-63 Range Safety.
- m. DA Pam 350-38 Standards in Training.
- n. AR 735-5 Property Accountability Policies.
- o. DA PAM 710-2-1, Using Unit Supply System.

A-2. Field Manuals

- a. FM 3-6, Field Behavior of NBC System.
- b. FM 21-10, Field Hygiene and Sanitation (AM 161-10).
- c. FM 3-21.75 The Warrior Ethos and Soldier Combat Skills.
- d. FM 3-22.9 Rifle Marksmanship, M16/M4 Series Weapons.
- e. FM 3-22.68 Crewe Served Weapons
- f. FM 3-23.35 Grenades and Pyrotechnics Signals. With Changes 1-4

- g. FM 3-22.31, 40MM Grenade Launchers, M203.
- h. FM 3-23.25 Shoulder Launched Munitions
- i. FM 3-23.35 Combat Training with Pistols M9 and M11 (Incl Ch C-1 thru 4).
- j. FM 3-21.220 Static Line Parachuting Techniques and Training.
- k. TC 25-1 Training Lands
- l. TC 25-8 Training Ranges

A-3. Technical Manuals

- a. TM 9-1300-206, Ammunition and Explosives Standards.
- b. TM 9-1300-214, Military Explosives.
- c. TM 9-1330-200-12, Operators and Organizational Maintenance Manual for Grenades.
- d. TM 9-1300-200 Ammunition General.
- e. TM 9-1370-207-10 Manual Pyrotechnics Simulators.

A-4. Fort Lee Policies/ Regulations

- a. Fort Lee Policy 14-12, Wildlife Management.
- b. Fort Lee Single Source Safety Document.

A-5. Forms

- a. DA Form 7306 Telephonic Notification of Ground Accident
- b. DA Form-AB U. S. Army Abbreviated Ground Accident Report (AGAR)
- c. DA Form 285-A Feb 09 Technical Report of U.S. Army Ground Accident Index A
- d. DA 285-B Feb 09 Technical Report of U.S. Army Ground Accident Index B
- e. DA 285-O Feb 09 Technical Report of U.S. Army Ground Accident Statement of Reviewing Officials
- f. DA 285-W Feb 09 Technical Report of U.S. Army Ground Accident Statement of Witness Interview
- g. DA Form 581

- h. DA Form 581-1
- i. DD Form 626
- j. DD Form 2890
- k. DD Form 2890C

**Annex B
Fort Lee Ranges / Training Areas**

B-1. Fort Lee Ranges and Training Areas

a. Unless otherwise noted DPTMS has the oversight responsibility for all Ranges and Training Areas on Fort Lee

RANGE	LOCATION	PRIMARY USE	PRIMARY WEAPONS/AMMUNITION
1	TG93022646	20 Lanes 25 Meter Zero	5.56 MM
2	TG92922642	28 Lanes 25 Meter Zero	5.56MM
3	DORMAT This Range is not Active.	4 points 10 Meter Machine Gun	5.56 MM and 7.62 MM
4	TG92942640	12 Lanes QTR	5.56MM
5	TG91942699	8 Lanes CPQR	9MM
6	TG92002694	4 Lanes MPFQC	9MM
7	TG92042690	4 Lanes Shotgun Range	12 Gauge
8	TG93062646		5.56
9		Skeet Range	
10		Archery Range	
Training Areas	Location	Primary use	
1	TG92182214	FTX/Maneuver/Training Area	
2	TG91602200	FTX Maneuver/Training Area	
3	TG92002136	FTX Maneuver/Training Area	
4	TG93082132	FTX Maneuver/Training Area	
6	TG92342622	FTX Maneuver/Training Area	
7	TG93202644	UOS/MOUT	Simunitions/ Blanks
8	TG92002692	50' Rappel Tower	.
8A	TG91992691	9MM/Shotgun EST Facility 5 Lanes	
9	TG92942638	30 Person Classroom	

9A	TG92942638	BRM PMI Facility W 5 lane EST	M-4, M-16A4, M-249, M 240B, and M-2 50 Cal, MK19
9B	TG92942638	HEAT Trainer	
9C		Combative Pit	
11	TG94422500	FTX	
14	TG94502380	Model Cemetery and FTX	QMCS
15	TG93642422	FTX	
16	TG93242394	FTX	
17	TG91922886	McLaney Drop Zone/Training Area/ Orienteering Course	
17A	TG93242926	Alternate Sling Load Site / Hand Grenade Qualification Course/FTX	TP Only
17P	TG92002864	Petroleum Training Site	
18	TG92002424	FTX/ Confidence Course	
19	TG94042424	Water Training Site	
20	TG93562388	Fire Fighting Training Facility	
21	TG92422633	NBC CHAMBER	
23	TG92582226	FTX	
24	TG91942180	Military in the Field (MIF Training site)	
26	TG92502800	LAND NAVIGATION COURSE (Small arms IMPACT AREA) FTX	
26A	TG92762950	Warrior Water Trng. Site.	
26N			
27	TG93402680	FTX ECP	
27A	TG93152804	MOUT FTX	
28	TG91182910	Water Traing Site	QMCS
29	TG93562440	Water Training Site	QMCS
30		Water Training Site (Classroom)	QMCS
31		Cook Training Fac	QMCS
42		Support POI Training	QMCS

**Annex C
Chronological List of Reports and Actions**

Report or Action	Submit To	Date Required	Format
Reservation of Training Area / Range	DOPS, 765-3743	NET D-12 (months) NLT D-5 (days)	Ft Lee Form 300
Request for Medical Support when needed	DOPS, 734-6421	NET D-45 (days) NLT D-30 (days)	Ft Lee Form 300
Final Prebriefing for Training Area / Range	Range Control, 765-2320	Wednesday of the week prior to scheduled training date.	See
Sign for Training Area / Range	Range Control, 765-2320	H-Hour on D-Day	See
Occupy Training Area / Range	Range Control, 765-2320	H+30 (minutes)	N/A
Establish Commo w/ Range Control	Range Control, Channel 1, Frequency band A on issued Radio	H+35 (minutes)	FM Radio - Primary Telephone - Secondary
Request Hot Time for Ranges when everything is in position	Range Control, Channel 1, Frequency band A on issued Radio	H+1 (Hour)	FM Radio - Primary Telephone - Secondary
Notify of time of 1st round down range	Range Control, Channel 1, Frequency band A on issued Radio	After receiving approved Hot Time from Range Control	FM Radio - Primary Telephone - Secondary
Request Checkfire Time	Range Control, Channel 1, Frequency band A on issued Radio	Whenever cease-fire is called for extended period of time (ie. Chow break)	FM Radio - Primary Telephone - Secondary
Request Hot Time for Ranges when ready to resume firing	Range Control, Channel 1, Frequency band A on issued Radio	H+1 (Hour)	FM Radio - Primary Telephone - Secondary
Notify of time of last round down range and request Gold Time	Range Control, Channel 1, Frequency band A on issued Radio	Upon completion of firing	FM Radio - Primary Telephone - Secondary
Request Clearance of Range	Range Control, Channel 1, Frequency band A on issued Radio	NET receipt of approved hot time from Range Control	FM Radio - Primary Telephone - Secondary
Depart Range	Range Control, Bldg 17142, 765-2320	After range has been returned to same condition as received and all equipment / personnel (not necessary to assist in fixing deficiencies) have been removed	FM Radio - Primary Telephone - Secondary

D = Day of range H = Hour Unit / Organization becomes responsible for Range

Annex D
Available Targets, Materials, Equipment, EST-2000 Training

D-1. Issue of Range Equipment

a. The following range equipment and supplies are available at Range Control. Equipment is issued to the OIC when the range is signed for by the OIC:

- (1) Scarlet Streamer.
- (2) Range Paddles.
- (3) Red Beacons (Night Firing).
- (4) Amplifier, Speakers and Microphones, affixed on the Ranges
- (5) Fort Lee Range Checklist, or Fort Lee Training Area Checklist as applicable.
- (6) Brooms and Rakes.
- (7) Heavy Duty Staplers (Target Replacement).
- (8) FM Radio.

b. Ensure you retain your copy of the Fort Lee Range/Training Area Checklist until after your equipment has been turned in and Range Control has signed off on your copy of the Range/Training Area Checklist.

D-2. Requests for Radio Frequency Target Equipment or Scenarios

Requests for Radio Frequency target equipment must be submitted to Range Control Operations 804-765-2079 a minimum of 14 working days prior to intended use. Request must include a detailed description of the scenario and what the intent of the training is. Final coordination will be made NLT 3 Working Days and again 24 hrs prior to execution, at extension 765-2286/2287.

D-3. EST 2000 Usage at Range Control Only

a. Range Control personnel will be responsible for the following:

- (1) Ensuring that the EST Building and weapons ranks are open for the requesting unit on the day of Training.
- (2) Will report usage to Training Aids and Devices Branch IAW Current SOP.

b. Units :

(1) Request usage VIA RFMSS

(2) Ensuring that a certified/qualified operator is present while the EST is in use.

(3) Certification can be obtained from TADDS prior to being allowed to operate the EST's at Range Control, TADDS will conduct EST Certification for units that request said training on a Memorandum Of Record. For information units can call 734-4515

Annex E
Sample Letter For Range Certification

**SAMPLE MEMORANDUM
UNIT HEADING**

(OFFICE SYMBOL)

(DATE)

MEMORANDUM FOR RANGE CONTROL

SUBJECT: OIC/RSO Certification Lecture

(1) IAW DA PAM 385-63, Chapter 1 and Fort Lee Regulation 350-1, the following individuals have satisfactorily completed a standard program of instruction and are qualified and competent for firing exercises and maneuver operations for which they will be the OIC or RSO.

Last Name, First, MI	Rank
DOE, JOHN L.	SFC
HALL, TRAVIS D.	1LT

(2) Soldier/s request to attend the Range Class on (date) _____.

(3) The POC for this memo is _____.

**JIM B. WISE
LTC, IN
Commanding**