Camp Smith Training Site

External SOP for Range Operations



Transforming Your Primary Readiness Center



CAMP SMITH TRAINING SITE NEW YORK ARMY NATIONAL GUARD BUILDING 501 CORTLANDT MANOR, NEW YORK 10567

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CSTS EXTERNAL SOP FOR RANGE OPERATIONS

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CHAPTER 1

GENERAL INFORMATION

1-1. Purpose. To provide guidance for the safe, efficient, and economical conduct of training on ranges for individual weapons at Camp Smith Training Site.

1-2. Scope. This SOP applies to all units and organizations. Any violations of this SOP may result in OIC and RSO decertification, suspension of training, and closure of the range until an investigation has been conducted and clearance has been granted by the Range Operations OIC.

1-3. References.

a. AR 385-63	Range Safety
b. ATP 5-19	Risk Management
c. DA PAM 385-63	Range Safety
d. TC 25-8	Training Ranges
e. TC 3-23.30	Grenade and Pyrotechnic Signals
f. TC 3-22.9	Rifle and Carbine
g. TC 3-33.240	Medium Machine Gun
h. TC 3-22.249	Light Machine Gun
i. TC 3-23.35	Pistol
j. TM 3-22.31	40mm Grenade Launchers
k. MNAG-TAG	Memorandum, Subject: Annual Approval of Range Deviations for Camp Smith

- i. Camp Smith Policies and Procedures
- 1-4. Revisions. Revisions to this SOP will be published as required to comply with changes to applicable publications and improved customer support. Forward any recommended changes to Camp Smith Training Site Ranges, ATTN: Range Management Authority.

CHAPTER 2

RANGE REQUIREMENTS

2-1. Certification. Battalion Commanders will appoint and certify, in writing, that the Range Officer in Charge (OIC) and Range Safety Officer (RSO) are competent and qualified. AR 385-63 requires range OICs and RSOs to attend an installation Range Safety Briefing prior to conducting range operations. The briefing certification expires one year from the date of the Battalion Commander Certification Memo unless stated otherwise.

2-2. Personnel Requirements.

- a. Range OIC must be present on the range.
- b. Range RSO must be present on the range.
- c. Assistant Range Safety Officer (ARSO) will be used at a minimum ratio of 1 per 5 firers. Some courses of fire may require additional ARSOs.
- d. Ammunition Detail is composed of one, or more, ammunition handlers.
- e. Combat Life Saver (CLS) or Certified First Responder (CFR) with current certification and fully stocked aid bag for Basic Marksmanship. 68W or EMT-B will be required for Advanced Marksmanship.
- f. Small Arms Range Safety Area (SARSA) Safety Observer during small arms firing events.

2-3. Equipment Requirements.

<u>Item</u>	Source
Range SOP	Range Operations
Range Flag	Range Operations
Safety Paddles	Range Operations
One-Piece Brass Clearing Rods	Range Operations
Handheld Radios	Range Operations
Loudspeaker System	Range Operations
Target Frames, Silhouettes, and Sight Blocks	Range Operations
Fire Extinguisher	Unit
Paper Targets, Staplers, and Staples	Unit
TC and/or TM for Weapon System(s)	Unit
Dedicated Support Vehicle	Unit
Personal Protection Equipment (PPE)	Unit
Medical Aid Bag/First Aid Kit (with contents)	Unit
Sight-Adjusting Tools	Unit

CHAPTER 3

RANGE SAFETY

3-1. Risk Management.

- a. Unit commanders will conduct comprehensive risk management for all operations. Units must submit Deliberate Risk Assessment Worksheets (DRAW) to Range Operations for approval prior to the scheduled event and have a copy of the approved DRA worksheet on hand during training.
- b. Live-firing events on Camp Smith are inherently dangerous because of the training center's limited size, no special-use airspace (SUA), and the likelihood of non-participants entering the Surface Danger Zone (SDZ).
- c. The residual risk level for weapons firing on Camp Smith is high based on probability and severity. Commanders must apply additional controls to the following hazards in order to further reduce the overall residual risk level to medium:
 - 1) Hikers entering the training complex from the northern and western borders occurs frequently, occurring regularly. The severity is catastrophic.
 - 2) Non-participating aircraft enter Camp Smith airspace frequently, occurring regularly. The severity is moderate.
- d. Commanders must also identify their own hazards and develop additional control for range operations. AR 385-63 and DA PAM 385-10 require the DRA Worksheet be signed by the individual having risk decision authority. See Appendix A.
- 3-2. Authorized Courses of Fire. Standard courses of fire are listed in the approved weapon system's military Field Manual (FM) or Training Circular (TC) without change. All other courses of fire will be considered non-standard. Units must submit a non-standard course of fire cover sheet no less than 15 days prior to training and gain approval from the Range Management Authority. See Appendix B.
- 3-3. Surface Danger Zone (SDZ). The ground and airspace within the training complex for vertical and lateral containment of projectiles, fragments, debris, and components resulting from the firing of the weapon systems. The Range OIC will protect non-participants by directing a cease-fire before intrusion into the SDZ.
- 3-4. Small Arms Range Safety Area (SARSA). Camp Smith does not have any special-use airspace (SUA). The Adjutant General established a SARSA to contain small arms range activities that could be hazardous to non-participating aircraft.

a. The Range OIC will designate a SARSA safety observer. The safety observer will detect non-participating aircraft and establish a cease-fire before penetration of the aircraft into the SARSA.

- b. Safety observer will maintain positive, immediate communication with the range OIC. Units will report cease-fires for aircraft immediately to Range Operations. See Appendix C.
- c. All ranges must cease-fire upon notification of impending incursion of the SARSA by non-participating aircraft.
- d. When cloud height is below the minimum ceiling height, then the SARSA observation requirement cannot be met. This results in a cease-fire until the cloud height rises.

3-5. Range Safety Procedures.

- a. AR 385-63 authorizes any individual to call cease-fire upon witnessing an unsafe act.
- b. Risk management must be integrated into the training and the range OIC must have a signed copy of the Deliberate Risk Assessment Worksheet on hand.
- c. The range OIC or RSO will give a safety briefing to all participants prior to conducting any training.
- d. All personnel will wear Army Protective Eyewear List (APEL) ballistic eye protection and hearing protection.
- 3-6. Authorized Ammunition. Authorized ammunition will change based on the range facility requested. No tracer ammunition or any rounds ballistically superior to M80 Ball are authorized at Camp Smith.

3-7. Weapons/Ammunition Malfunction.

- a. OIC will ensure all misfire, hang fire, and cook-off procedures in training manuals/current operating manuals for the appropriate weapon system will be followed.
- b. When a malfunction involving a weapon and/or ammunition occurs, and immediate action procedures fail to correct the problem, that weapon and/or ammunition will be set aside, and Range Operations will be notified of the malfunction.

CHAPTER 4

RANGE OPERATION PROCEDURES

4-1. Communication.

- a. Range OIC will ensure that two separate communication platforms (FM and cell) are maintained with Range Operations at all times.
- b. Range Operations will initiate an hourly radio check (on the hour) with all training units. See Appendix C.
- c. Upon loss of primary communication, the OIC/RSO will initiate a cease-fire and will contact Range Operations via secondary communication. Units may resume firing once primary communication has been re-established and clearance is granted by Range Operations.
- d. Primary means of communication with Range Operations will be FM radio on Frequency 36.40 MHz; alternate is 38.10 MHz. Secondary means of communication is cell phone. Range Operations's phone number is (914) 945-7372.
- e. Range OIC and RSO must have reliable communications with Safety Gate Guards and SARSA Dedicated Air Guard. This communication must not be over the Range Operations frequencies.

4-2. Range Status Terminology.

- a. "OCCUPIED" A non-firing condition in which a unit requests permission to establish a presence on a range.
- b. "HOT" A firing condition where Range Operations has authorized the Range OIC to fire a weapon system.
- c. "CEASE-FIRE" The command given by anyone observing an unsafe firing condition to immediately terminate firing. Any cease-fire for intrusion into the SDZ must be reported to Range Operations. A cease-fire command given by the OIC/RSO for a brief discontinuation of fire with the intent to continue (such as between firing orders) is not reportable to Range Operations.
- d. "COLD" All firing is done with no intent to continue. Unit must report this to Range Operations.

4-3. Emergency Response.

a. Call 911 in case of emergency or fire that cannot be safely controlled by unit.

- b. Call Range Operations immediately after initial call to 911.
- c. Range OIC has incident command until relieved by first responders.
- d. Range OIC must maintain status updates with Range Operations.
- e. Unit provides Range Operations with information for 11-Line Incident Report. See Appendix D.
- f. Unit provides Range Operations with final disposition of incident.

4-4. Drawing and Clearing Procedures.

- a. Range OIC will check in with Range Operations prior to entering the training complex and sign for all range equipment and keys.
- b. All Range OICs must sign a Statement of Acknowledgement and submit to Range Operations prior to occupying the range. This statement is also required of subsequent range OIC personnel prior to that person assuming control or the range. See Appendix E.
- c. The Range OIC will inspect the range upon occupation and report all deficiencies to Range Operations immediately.
- d. Neatly place all unserviceable target frames on the outside of the Range Shed after use to identify repair or replacement.
- e. Firing will be complete NLT 30 minutes prior to the unit's scheduled end time in order to clear the facility.
- f. Upon completion of training, the Range OIC will ensure that the range, facilities, and immediate surrounding area and been cleared of all expended brass, litter, debris, refuse, etc. prior to contacting Range Operations for a clearing inspection.

4-5. General Procedures.

- a. Prior to conducting live-fire, the OIC will ensure that no unauthorized personnel are present in the range SDZ. This is especially important during the hunting and hiking seasons. RSO will announce three times on the loudspeaker system, "Is anyone downrange?" prior to sending the first round downrange.
- b. Pedestrian and vehicle traffic around the range area will be minimized during live-fire training by the use of properly posted guards and/or barriers. All passage through the range surface danger zone during cease-fire status must be coordinated though Range Operations. Range OIC and RSO are not authorized to permit passage of personnel or vehicles without permission from Range Operations for each occurrence.

c. All loaded weapons must remain on the firing line with muzzles pointed downrange. This includes weapon malfunctions.

- d. If a weapon or ammunition malfunction cannot be cleared by the Unit Armorer then the Range OIC must contact Range Operations for instructions.
- e. Weapons off the firing line must always remain on safe and unloaded.
- f. In case of lightning or severe weather, Range OIC must order a cease-fire, clear all weapons, and secure all ammunition. Range OIC must then ensure personnel safety by evacuating to a safe area such as the inside of a building.
- g. Targets must be clearly visible to firers and range safety personnel in order to conduct training. Do not shoot outside of established range limits.
- h. No one may alter the range configuration.

CHAPTER 5

- 5-1. Description. Range 1 is a 10-25 meter range for individual weapons. This familiarization and qualification range consists of 32 lanes. This range is used to train individual Soldiers on the skills necessary to align the sights and practice basic marksmanship techniques using stationary targets. This range is also used for short-range marksmanship training and qualification.
- 5-2. Range Operations Control Area. Covered bleachers, ammunition break down shed, and portable latrines. No utilities in range complex.
- 5-3. Authorized Weapons. M4, M16, and M9
- 5-4. Authorized Ammunition. 5.56mm Legacy Ball, 5.56mm Enhanced Performance Rounds (EPR), and 9mm only.
- 5-5. Range Courses of Fire. Primary courses of fire for Range 1 are 25 meter zero and 25 meter scaled target alternate course.
- 5-6. Authorized Targets. Paper targets on E-Type silhouettes only. All other targetry invalidates the TAG Deviation.
- 5-7. Surface Danger Zone (SDZ). This range operates under a range deviation to the SDZ size dimensions found in DA PAM 385-63. This deviation takes into consideration terrain mitigation of fired ammunition so that ricochet fragments are fully contained within Training Area 1 and Training Area 15. The deviation assumes the Range OIC properly directs firing from approved firing points to approved target points. See Appendix G.
- 5-8. Safety Conflicts. Range 1 denies Training Areas 1 and 15; Ranges 2 and 5. EPR ammunition also denies Ranges 3 and 3A.
- 5-9. Safety Gates. G, T, and U must be locked whenever the range is occupied. The Range OIC must know, and understand, the safety gate requirements for this range. The Range OIC will confirm with Range Operations that the gates are locked prior to requesting a "HOT" time. See Appendix F.
- 5-10. Parking. No more than 10 vehicles can park, behind the firing line, in order to support range operations.
- 5-11. Additional Personnel Requirements. Range OIC will post a road guard in the vicinity of the Helipad when other ranges are occupied. The guard will ensure no personnel enter the SDZ along the right flank of the SDZ. See Appendix H.

CHAPTER 6

- 6-1. Description. Range 2 is a Known Distance (KD) Range for individual weapons; M4 and M16. This range consists of 22 lanes. This range is designed for training advanced rifle marksmanship and target engagement techniques with immediate downrange feedback. This range is used to train and familiarize Soldiers on the skills necessary to identify, calculate distance, engage, and hit targets in a static array out to 100 yards.
- 6-2. Range Operations Control Area. Ammunition break down shed, portable latrines. No utilities in the range complex.
- 6-3. Authorized Weapons. M9, M4, M16, M249, and M240B.
- 6-4. Authorized Ammunition. 5.56mm Legacy Ball, 5.56mm EPR, and pistol ammunition .45 cal and below. 7.62mm Legacy Ball ammunition. 7.62mm EPR is not authorized.
- 6-5. Range Course of Fire. Non-standard course of fire.
- 6-6. Authorized Targets. K-Type paper targets and E-Type silhouettes. Alternate targetry authorized by approved Course of Fire.
- 6-7. Surface Danger Zone (SDZ). This range operates under a range deviation to the SDZ size dimensions found in DA PAM 385-63. This deviation takes into consideration terrain mitigation of fired ammunition so that ricochet fragments are fully contained within the installation boundary. The deviation assumes the Range OIC properly directs firing from approved firing points to approved target points. See Appendix I.
- 6-8. Safety Conflicts. Range 2 denies Training Areas 1, 4, and 15; Ranges 1, 2A, 3, 3A, and 5. Use of 5.56mm EPR and/or 7.62mm Legacy Ball ammunition also denies Training Areas 2, 3, 7, and 8; Route B from Safety Gates R to V.
- 6-9. Safety Gates. Q, S, S2, S3, T, and U must be locked whenever the range is occupied. Safety gates R, W, W2, W3, and W4 must be locked when firing 5.56mm EPR or 7.62mm Legacy Ball ammunition. Range OIC must know and understand the safety gate requirements for this range. The Range OIC will confirm with Range Operations that the gates are locked prior to requesting a "HOT" time. See Appendix F.
- 6-10. Parking. No more than three vehicles can park, behind the firing line, in order to support range operations. Alternate parking is in the vicinity of Training Area 5.
- 6-11. Additional Personnel Requirements. Pit crew and Pit RSO during pit operations. Gate Guard is required at Safety Gate L.

6-12. Pit Operations Safety. Pit RSO will be designated by Battalion Commander Certification Memo and will be the NCOIC of the pit crew.

- a. Pit RSO will have continuous communication with the Range OIC/RSO. This communication must not be over the Range Operations frequencies.
- b. Pit RSO will provide a safety brief.
- c. All pit crew personnel will remain on the catwalk during live range firing.
- d. No vehicles are allowed in the pit area during live fire.

CHAPTER 7

RANGE 2A

- 7-1. Description. Range 2A is a 3-25 meter pistol and rifle qualification range for individual weapons. This familiarization and qualification range consists of 16 lanes. This range is also used for short-range marksmanship training and qualification.
- 7-2. Range Operations Control Area. Covered bleachers, ammunition break down shed, and portable latrines. No utilities in range complex.
- 7-3. Authorized Weapons. M4, M16, M9, M249, and M240B.
- 7-4. Authorized Ammunition. 5.56mm Legacy Ball, 5.56mm Enhanced Performance Rounds (EPR), pistol and 7.62mm Legacy Ball ammunition. 7.62mm EPR is not authorized.
- 7-5. Range Courses of Fire. Primary courses of fire are 25 meter zero and 25 meter scaled target alternate course.
- 7-6. Authorized Targets. Paper targets on E-Type silhouettes only.
- 7-7. Surface Danger Zone (SDZ). This range operates under a range deviation to the SDZ size dimensions found in DA PAM 385-63. This deviation takes into consideration terrain mitigation of fired ammunition so that ricochet fragments are fully contained within the installing boundary. The deviation assumes the Range OIC properly directs firing from approved firing points to approved target points. See Appendix I.
- 7-8. Safety Conflicts. Range 2A denies Training Areas 1, 4 and 15; Ranges 2, 3, 3A, and 5. 5.56mm EPR and 7.62 Legacy Ball ammunition also denies Training Areas 2, 3, 7, and 8.
- 7-9. Safety Gates. G, L, Q, S, S2, S3, T, and U must be locked whenever the range is occupied. Safety Gates R, W, W2, W3, and W4 must be locked when firing 5.56mm EPR or 7.62mm Legacy Ball ammunition. The Range OIC must know, and understand, the safety gate requirements for this range. The Range OIC will confirm with Range Operations that the gates are locked prior to requesting a "HOT" time. See Appendix F.
- 7-10. Parking. Parking for five vehicles is in the gravel area near the ammo breakout shed, in order to support range operations.
- 7-11. Additional Personnel Requirements. A Gate Guard is required at Safety Gate L.

CHAPTER 8

- 8-1. Description. Range 3 is a Known Distance (KD) Range for individual and crew-served weapons. This familiarization range consists of 10 lanes. This range is designed for training advanced rifle marksmanship and target engagement techniques with immediate downrange feedback. This range is used to train and familiarize Soldiers on the skills necessary to identify, calculate distance, engage and hit targets in a static array at 200 and 300 yards.
- 8-2. Range Operations Control Area. Covered bleachers, ammunition break down shed, and portable latrines. No utilities in the range complex.
- 8-3. Authorized Weapons. M4, M16, and M249.
- 8-4. Authorized Ammunition. 5.56mm Legacy Ball
- 8-5. Range Course of Fire. Range Management Authority will not approve any course of fire beyond 300 yards.
- 8-6. Authorized Targets. K-Type paper targets only.
- 8-7. Surface Danger Zone (SDZ). This range operates under a range deviation to the SDZ size dimensions found in DA PAM 385-63. This deviation takes into consideration terrain mitigation of fired ammunition so that ricochet fragments are fully contained in Training Areas 1, 3, 4, 5, and 15. The deviation assumes the Range OIC properly directs firing from approved firing points to approved target points. See Appendix J.
- 8-8. Safety Conflicts. Range 3 denies Training Areas 3, 4, 5, and 15; Ranges 2, 2A, 3A, 4, and 5; Gravel Lot and Engineer Dig Site; Route B from Safety Gates L to V.
- 8-9. Safety Gates. M, P, V, W2, and W3 must be locked whenever the range is occupied. The Range OIC must know and understand the safety gate requirements for this Range. The Range OIC will confirm with Range Operations that the gates are locked prior to requesting a "HOT" time. See Appendix F.
- 8-10. Parking. Parking for five vehicles is in the gravel area near the ammo breakout shed, in order to support range operations.
- 8-11. Additional Personnel Requirements. Pit crew and Pit RSO during pit operations. Range OIC will post a gate guard at Gate L2 in the event that passage is required along Route B.
- 8-12. Pit Operations Safety. Pit RSO will be designated by Battalion Commander Certification Memo and will be the NCOIC of the pit crew.

a. Pit RSO will have continuous communication with the Range OIC/RSO. This communication must not be over the Range Operations frequencies.

- b. Pit RSO will provide a safety brief.
- c. All pit crew personnel will remain on the catwalk during live range firing.
- d. No vehicles are allowed in the pit area during live range firing.

CHAPTER 9

RANGE 3A

- 9-1. Description. Range 3A is a Pistol Range for individual weapons. This familiarization and qualification range consists of 16 lanes. This range enables Soldiers to practice and qualify with individual M9 pistols.
- 9-2. Range Operations Control Area. Ammunition break down shed and portable latrines. No utilities in range complex.
- 9-3. Authorized Weapons. M9, M4, M16, M249, and Shotgun.
- 9-4. Authorized Ammunition. 5.56mm Legacy Ball, Pistol, and Shotgun ammunition.
- 9-5. Range Course of Fire. Primary course of fire is the Alternate Pistol Qualification Course. Range Management Authority will not approve any course of fire beyond 50 meters.
- 9-6. Authorized Targets. Paper targets on E-Type silhouettes only. Alternate targetry approved by Course of Fire.
- 9-7. Surface Danger Zone (SDZ). This range operates under a range deviation to the SDZ size dimensions found in DA PAM 385-63. This deviation takes into consideration terrain mitigation of fired ammunition so that ricochet fragments are fully contained within Training Areas 3, 4, and 15. The deviation assumes the Range OIC properly directs firing from approved firing points to approved target points. See Appendix K.
- 9-8. Safety Conflicts. Range 3A denies Training Areas 3, 4, and 15; Ranges 2, 2A, 3, and 4; Route B from Safety Gates R to V. Use of pistol ammunition also denies the Gravel Lot; Route B from Safety Gates O to V.
- 9-9. Safety Gates. Q, R, V, W2 and W3 must be locked whenever the range is occupied. Gate O will be manned or in a locked status when using pistol ammunition. Gate R will be manned or in a locked status when using rifle or shotgun ammunition. The Range OIC must know and understand the safety gate requirements for this range. The Range OIC will confirm with Range Operations that the gates are locked prior to requesting a "HOT" time. See Appendix F.
- 9-10. Parking. No more than 10 vehicles can park, behind the firing line, in order to support range operations.
- 9-11. Additional Personnel Requirements. Range OIC will post a guard at the respective gate based on the ammunition being used (ref. 9-9). The guard will ensure no personnel enter the SDZ.

CHAPTER 10

- 10-1. Description. Range 4 is designed to meet training requirements for 40mm Grenade Launchers. This familiarization and qualification range consists of 4 lanes from 100 meters to 350 meters. This range is used to train and test Soldiers on the skills necessary to engage and defeat stationary targets and emplacements. See Appendix L.
- 10-2. Range Operations Control Area. Utilize Range 3 facilities; ammunition break down shed and portable latrines. No utilities in the range complex.
- 10-3. Authorized Weapons. M203, M320, and M320A1.
- 10-4. Authorized Ammunition. 40mm Training Practice (TP) ammunition.
- 10-5. Range Course of Fire. Day record fire qualification.
- 10-6. Authorized Targets. Lane targets.
- 10-7. Surface Danger Zone (SDZ). Extends 470 meters from the firing line and vertically 216 meters. The SDZ assumes Range OIC properly directs firing from approved firing points to approved target points. See Appendix M.
- 10-8. Safety Conflicts. Range 4 denies Training Areas 4, 5, and 15; Ranges 3 and 3A; Gravel Lot.
- 10-9. Safety Gates. M, P, Q, and S must be locked whenever the range is occupied. Gates O and R will be manned or in a locked status whenever the range is occupied. The Range OIC must know and understand the safety gate requirements for this range. The Range OIC will confirm with Range Operations that the gates are locked prior to requesting a "HOT" time. See Appendix F.
- 10-10. Parking. No more than three vehicles can park, behind the firing line, in order to support range operations.
- 10-11. Additional Personnel Requirements. Range OIC will post a gate guard at Gates O and R in the event that passage is required along Route B.

CHAPTER 11

- 11-1. Description. Range 5 is a non-standard small arms range for individual and crew-served weapons. This familiarization and qualification range consists of 10 lanes. This range is primarily used by non-military users for non-standard courses of fire. Alternate use is to practice and qualify with individual M9 and shotgun.
- 11-2. Range Operations Control Area. Bleachers; portable latrines (located on Range 2). No utilities in the range complex.
- 11-3. Authorized Weapons. M9, M4, M16, M249, and Shotgun.
- 11-4. Authorized Ammunition. Frangible ammunition only.
- 11-5. Range Course of Fire. Primary course of fire is Non-Standard Course of Fire.
- 11-6. Authorized Targets. Paper, Wood, and Steel.
- 11-7. Surface Danger Zone (SDZ). This range operates under a range deviation to the SDZ size dimensions found in DA PAM 385-63. This deviation takes into consideration terrain mitigation of fired ammunition so that ricochet fragments are fully contained within Training Areas 1 and 15. The deviation assumes the Range OIC properly directs firing from approved firing points to approved target points. See Appendix N.
- 11-8. Safety Conflicts. Range 5 denies Training Areas 1 and 15; Ranges 1, 2, 2A, and 3.
- 11-9. Safety Gates. S, T, and U2 must be locked whenever the range is occupied. The Range OIC must know and understand the safety gate requirements for this range. The Range OIC will confirm with Range Operations that the gates are locked prior to requesting a "HOT" time. See Appendix F.
- 11-10. Parking. No more than nine vehicles can park, behind the firing line, in order to support range operations.
- 11-11. Additional Personnel Requirements. None.

CHAPTER 12

- 12-1. Description. Range 6 is a non-standard pistol range for individual weapons. This familiarization and qualification range consists of 11 lanes. This range is primarily used by non-military users for non-standard courses of fire.
- 12-2. Range Operations Control Area. Range Tower. Range 6 has electric power.
- 12-3. Authorized Weapons. Pistol, MP5, and Shotgun.
- 12-4. Authorized Ammunition. Frangible ammunition only.
- 12-5. Range Course of Fire. Primary course of fire is Non-Standard Course of Fire.
- 12-6. Authorized Targets. Paper, Wood, and Steel.
- 12-7. Surface Danger Zone (SDZ). This range operates under a range deviation to the SDZ size dimensions found in DA PAM 385-63. This deviation takes into consideration terrain mitigation of fired ammunition so that ricochet fragments are fully contained within Training Area 6. The deviation assumes the Range OIC properly directs firing from approved firing points to approved target points.
- 12-8. Safety Conflicts. Range 6 denies Training Area 6; Hand Grenade Qualification Course.
- 12-9. Safety Gates. H, J, and K must be locked whenever the range is occupied. The Range OIC must know and understand the safety gate requirements for this range. The Range OIC will confirm with Range Operations that the gates are locked prior to requesting a "HOT" time. See Appendix F.
- 12-10. Parking. No more than three vehicles can park, behind the firing line, in order to support range operations.
- 12-11. Additional Personnel Requirements. None.

CHAPTER 13

HAND GRENADE QUALIFICATION COURSE

- 13-1. Description. This range is used to train and qualify Soldiers to employ hand grenades using practice, fused grenades. See Appendix O.
- 13-2. Range Operations Control Area. Portable latrines. No utilities in the range complex.
- 13-3. Authorized Weapons. N/A
- 13-4. Authorized Ammunition. M69 Practice Hand Grenade with M228 Fuse.
- 13-5. Range Course of Fire. Hand Grenade Qualification Course.
- 13-6. Authorized Targets. Station targets.
- 13-7. Surface Danger Zone (SDZ). N/A
- 13-8. Safety Conflicts. Hand Grenade Qualification Course denies Range 6.
- 13-9. Safety Gates. None.
- 13-10. Parking. No more than three vehicles to support range operations.
- 13-11. Additional Personnel Requirements. None.

The proponent office for this SOP is Camp Smith Training Site, Base Operations. Users are invited to send comments and suggested improvements directly to ATTN: Base Operations Officer, 11 Bear Mountain Bridge Road, Cortlandt Manor, NY 10567.

DAVID T. MORTON CW3, QM, NYARNG RANGE MANAGEMENT AUTHORITY

APPENDIX A

RISK ASSESSMENT HAZARDS

Commanders must create controls for the following hazards:

- 1. Negligent discharge.
- 2. Personnel entering the SDZ.
- 3. Low-flying aircraft entering the SARSA.
- 4. Hearing and eye injuries.

Commanders often identify the following hazards based on activity and environment:

- 1. Medical emergency.
- 2. Weapons and ammunition malfunction.
- 3. Ricochet hazards (i.e. impact media berm (rocks), exposed concert at target line).
- 4. Dehydration.
- 5. Loss of sensitive item.
- 6. Weapon accountability.
- 7. Heat and cold injuries.
- 8. Severe weather.
- 9. Wildlife entering the range.

APPENDIX B

NON-STANDARD COURSE OF FIRE WORKSHEET

Camp Smith Training Site Range Operations Non-Standard Course of Fire Worksheet

Date Submitted:
Date Approved:
Approved by (Range Management Authority Signature):
This Form must be competed and submitted 15 days prior to training and gain approval from the Range Management Authority. Detail must be sufficient to enable unfamiliar personnel to run course of fire. Daily CoF will be confirmed by Range Operations prior to occupying range.
Unit, Agency, or Organization:
Course of Fire Name:
Note: Each CoF needs a separate worksheet. Weapon Systems:
i.e. M4, M9, Glock 17, etc.
Ammunition:
Note: Specific information is required (i.e. paper, steel, clay pigeons, etc.). All target material must be environmentally safe and removed by unit/agency/organization at the conclusion of firing. Clay pigeon residue/debris must be raked and removed.
Distance in yards, meters, or feet from the Firing Line(s) to Target Line:
Do you intend to use any target line besides the fixed rail? ☐ Yes ☐ No If yes, describe in detail:
Special Use Equipment:
i.e. vehicles, aircraft, barriers, pyrotechnics, smoke, etc. Note: All pyro, smoke, and noise-producing simulators require a written request and approval from Range Operations prior to use. Are non-standard tasks, such as running, walking, transitional firing, shooting from vehicles, firing in diamond, or other, formations where muzzles are oriented other than downrange, employed? Yes No If yes, describe in detail:
Is this CoF conducted at night or in low-light firing conditions? ☐ Yes ☐ No If yes, describe the illumination devices to be employed:
Independent Firing
Do shooters fire without a firing command from the Raneg Safety Officer (RSO)? ☐ Yes ☐ No If yes, describe method of firing and range safety control measures to be employed:
(Written CoF documents may be submitted in lieu of detailed description.) Detailed description of scenario, firing commands, etc. Use additional sheets if required.

APPENDIX C

RANGE OPERATIONS COMMUNICATIONS

Fire Desk Net Control call sign is "Range Operations". Your call sign is "Range XX/TA XX" (name of range, training area, or facility unit is occupying).

TO OCCUPY: "RANGE OPERATIONS, THIS IS (UNIT). REQUEST

PERMISSION TO OCCUPY RANGE/TA (RANGE/TA #),

OVER."

"RANGE OPERATIONS, THIS IS RANGE/TA (RANGE/TA #). TO GO HOT:

> REQUEST PERMISSION TO GO HOT UNDER RANGE OIC (LAST NAME, FIRST NAME) AND RANGE RSO (LAST NAME,

FIRST NAME), OVER."

TO CEASE FIRE: "RANGE OPERATIONS, THIS IS RANGE/TA (RANGE/TA #).

WE ARE IN A CEASE FIRE FOR (REASON CEASE FIRE IS

BEING CALLED), OVER."

"RANGE OPERATIONS, THIS IS RANGE/TA (RANGE/TA #). TO GO HOT

WE

FROM CEASE FIRE: ARE RESUMING FIRE FOR (REASON HOT TIME IS BEING

CALLED).

TO CHANGE OIC/RSO: "RANGE OPERATIONS, THIS IS (UNIT) AT RANGE/TA

(RANGE/TA #). REQUEST PERMISSION TO CHANGE (OIC.

RSO, OR BOTH) TO (LAST NAME, FIRST NAME), OVER.

"RANGE OPERATIONS, THIS IS (UNIT) AT RANGE/TA TO GO COLD:

(RANGE/TA #). REQUEST PERMISSION TO GO COLD,

OVER."

"RANGE OPERATIONS, THIS IS (UNIT) AT RANGE/TA TO DEPART SITE:

(RANGE/TA #). REQUEST A CLEARANCE INSPECTION AND

PERMISSION TO DEPART THIS SITE, OVER."

APPENDIX D

11-LINE INCIDENT REPORTING PROCEDURES

DMNA Pam 1-2 29 October 2010



11-LINE INCIDENT REPORT

INCIDENT REPORT NUMBER: _____

ADMINISTRATIVE NOTE: Incidents will be reported by facsimile or telephonically when internet notification is not in service.

During duty hours: Incidents will be reported through appropriate chain-of-commands. MACOMs or Directors will report incident to the JOC.

During non-duty hours: Incidents will be reported directly to the Joint Operations Center by electronic mail (Microsoft Outlook Look-up; JOCOIC-NY or <u>JOCOIC-ny@ny.ngb.army.mil</u>). Telephone: (518) 786-104/6105 Facsimile: (518) 786-4922

2. WHAT HAPPENED:						
3. WHO WAS INVO	HR-725-512					
4. DUTY STATUS:	(Circle)	AGR	1	echnician)	SAD
AT(T32) ADO	OS/ADSW	TDY	II	OT(T32)		State Employee
5. WHERE DID TH	E EVENT OCC	UR:				
6. WHEN DID THE	EVENT OCCU	R:				
7. WHY/HOW: (Exp	olain circumstan	ices):				
8. REPORTING AC	:TION:(Name)_			_Rank:	_Contact #	
9. INJURIES:						
10. PROPERTY OF	R VEHICLE DAI	MAGE:				
11. ACTION TAKEN	V: (Circle) Ac	tion	Event	Non	-Applicable	
FIGURE 1-1.		Sample of 1	1-Line Inc	ident Repo	ort	

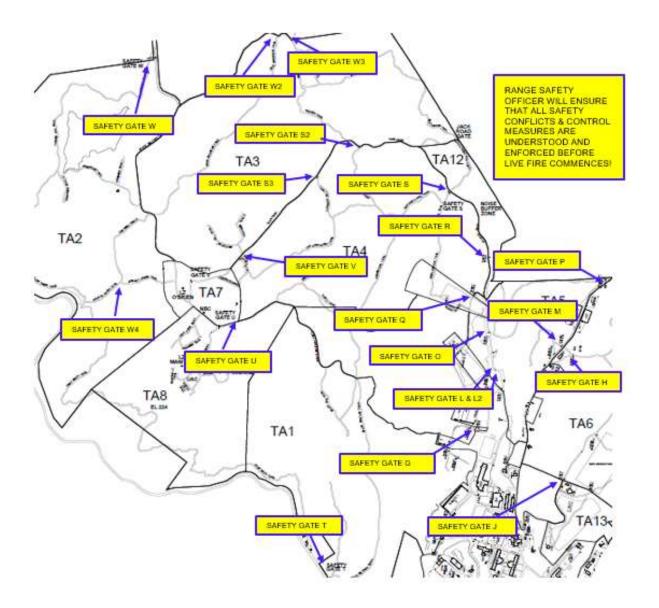
5-2

APPENDIX E

RANGE OIC STATEMENT OF ACKNOWLEDGEMENT

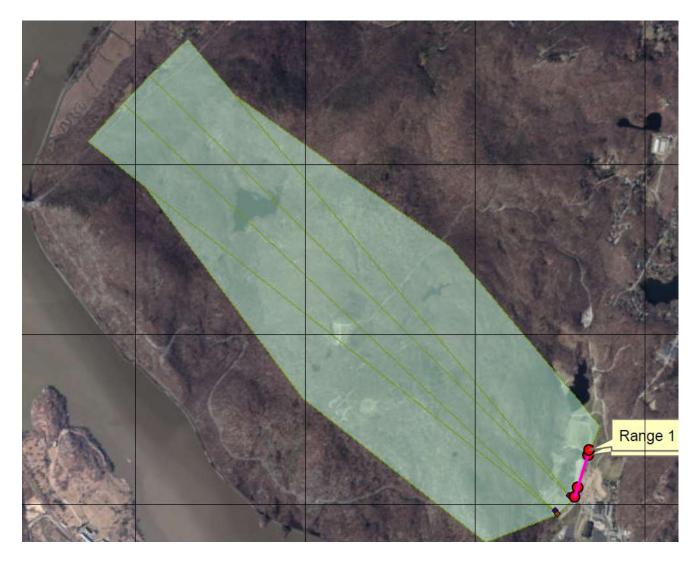
MEMORANDUM FOR: Camp Smith Training Cer	nter Range Operations				
t,, the assigned OIC of Range, Acknowledge that I have read and understand the SOP for this range and the applicable Field Manuals and Technical Manuals relating to the training events I am conducting. I will ensure the above references are in my possession while training is being conducted. The following ist is the stated responsibilities of the OIC. I will initial after each item below.					
1. As Range OIC, I will ensure that my Range Safety Officer on site and understands all hazards and controls	(and Pit-RSO) has a copy of the range risk assessment				
2. As Range OIC, I will ensure that myself, the Range Safety on site at the range and understand the emergency procedures					
3. As Range OIC, I am accountable for all range facility equip	oment and keys.				
4. Upon occupation of this Range, I will establish and mainta radio; secondary cell phone) until cleared and direct an imme Operations is lost					
5. Prior to firing, I will ensure a safety briefing is conducted cawareness, left and right limits, cease-fire, and location of me					
6. The RSO and I know the Range location and the limits/rest receive permission from Range Operations to use live-fire we pyrotechnics, chemical agents, and non-lethal weapons before speaker system, "Is there anyone downrange?" before firing.	apon systems, explosives, man-marking systems, e their use. I will announce three (3) times on the				
7. The range OIC will designate a SARSA safety observer. A to Range Operations	ll cease-fires for aircraft will be reported immediately				
8. I will ensure that a red flag is displayed on the flagpole, a rapplicable safety gates are locked and guarded	ed light is displayed for night-fire, and that all				
9. I will ensure that all weapons are rodded on and off the firi distribute ammunitions to troops only when they are ready on					
10. I will personally supervise all weapons and ammunition n	nalfunctions				
11. I understand that this list is not all inclusive. I am respons actions necessary to ensure that safety is an integral part of th	e e e e e e e e e e e e e e e e e e e				
Range OIC Printed Name	Cell Phone Number				
Range OIC Signature	Date				

APPENDIX F TRAINING AREA SAFETY GATES

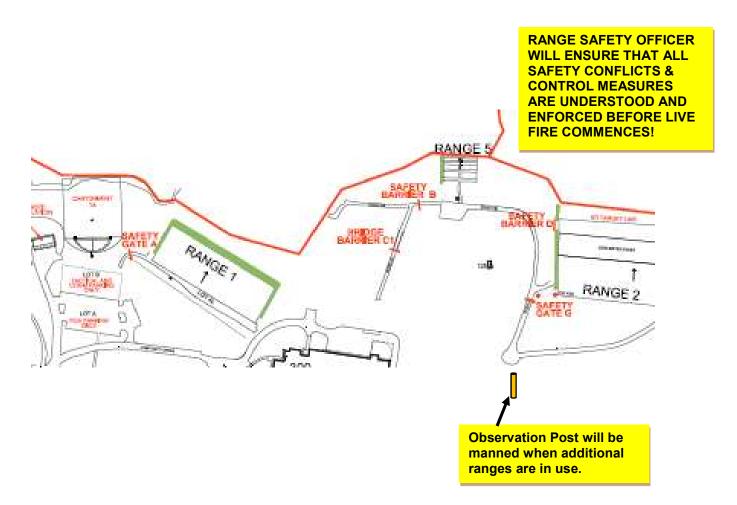


APPENDIX G

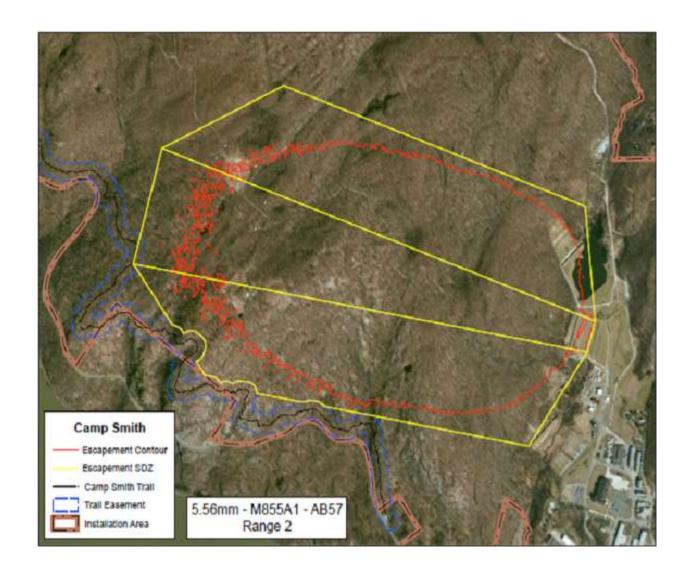
RANGE 1 SURFACE DANGER ZONE



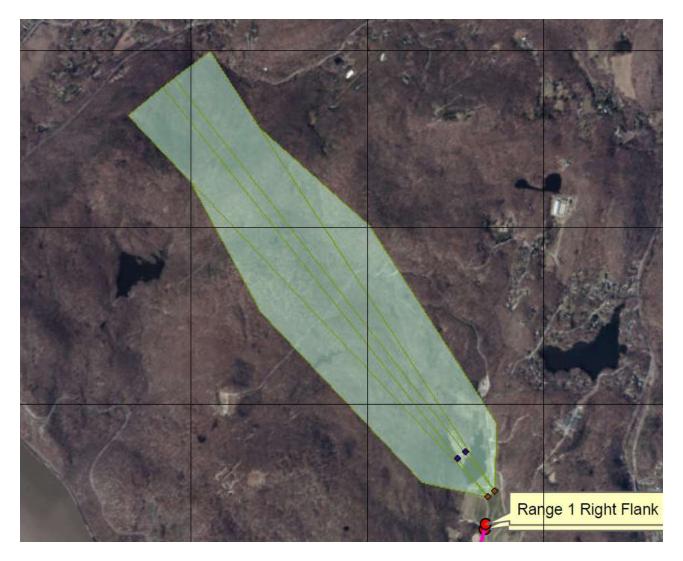
APPENDIX H RANGE 1 ADDITIONAL PERSONNEL REQUIREMENTS



APPENDIX I RANGE 2 SURFACE DANGER ZONE



APPENDIX J
RANGE 3 SURFACE DANGER ZONE

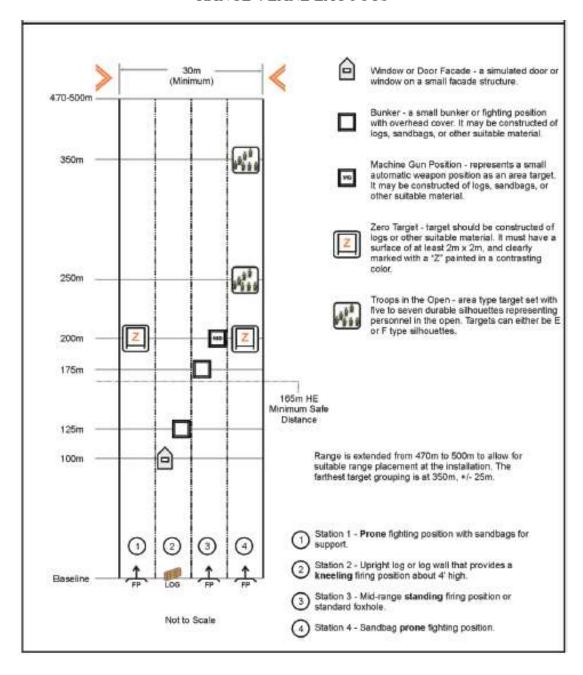


APPENDIX K RANGE 3A SURFACE DANGER ZONE



APPENDIX L

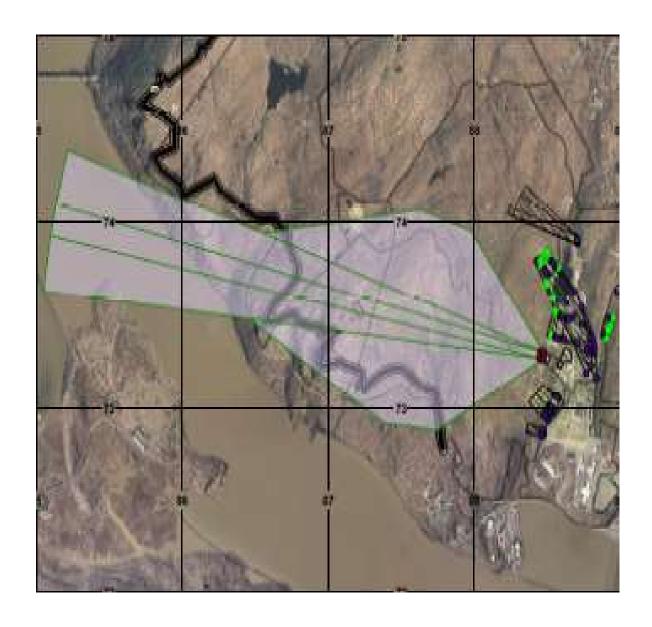
RANGE 4 LANE LAYOUTS



APPENDIX M RANGE 4 SURFACE DANGER ZONE



APPENDIX N RANGE 5 SURFACE DANGER ZONE



APPENDIX O
HAND GRENADE QUALIFICATION COURSE LANES

