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U.S. Army Garrison-West Point DPTMS – Range Operations Policy & Procedures

Standard Operating Procedure Range 5 (*Gettysburg*) Automated Field Fire



Department of the Army
U.S. Army Garrison West Point
United States Military Academy
West Point, New York 10996-5000

Document History

Document Location

All hard copies will be located at Building 1403 Range Operations Fire Desk. Also, electronic copies may be retrieved via DPTMS website (Training Link), or upon request.

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Approvals

This document requires the following approvals:

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1. General Information

1.1 Purpose

This Standard Operating Procedure (SOP) provides standard instructions and checklists for unit and individuals using Range 5 (Gettysburg), Automated Field Fire. It defines standardized steps and procedures to be followed for its safe and efficient use.

This SOP is directive based and complies with applicable United States Military Academy and Department of the Army Regulations, current doctrine, policy and guidance.

1.2 Applicability

This SOP is designed to provide units with safe range operating procedures and guidelines. It applies to all units of the U.S. Armed Forces, civilian organizations, and individuals who are authorized to use this range or training facility at West Point, and by all applicable users IAW West Point Regulation 350-11 and DA Pam 385-63.

1.3 Responsibility

Use this SOP in conjunction with AR 385-63, DA Pam 385-63 and West Point Reg. 350-11 which provide specific and detailed range firing responsibilities for using units. These directed and required actions are necessary for the safe conduct of all range firing and training. Full compliance IAW the afore-mentioned regulations as well as steps and procedures of this SOP, is the responsibility of the commanders, as well as the personnel of using organizations or units. Personnel of any non-DoD civilian agency or activity, using West Point ranges and training facilities must also comply with the provisions and requirements outlined in West Point Reg. 350-11.

1.4 References

All required and related publications are those covering the training conducted and those listed in the applicable chapters West Point Reg. 350-11 or other respective regulations, policies and procedures. Additional references are also listed at Appendix A, of AR 385-63 and DA Pam 385-63.

1.5 Suggested Improvements

The proponent of this Standard Operating Procedure (SOP) is the Director of Plans, Training, Mobilization and Security, U.S. Army Garrison West Point, ATTN: DPTMS, Building 621 Wilson Road, United States Military Academy, West Point, New York 10996-5000. Users are encouraged to send comments and suggested improvements on DA Form 2028 (Recommended Changes to Publications and Blank Forms).

2. Range Description & Characteristics

2.1 Range Description & Definitions



2.1.1 Range Description

Range 5 is a 16-lane Automated Field Fire (AFF) Range used to train and familiarize the firer on the skills necessary to identify, engage and hit stationary infantry targets with the M16/M4 rifle. For AFF with the M16/M4, single and multiple timed targets, at ranges of 75, 175 and 300 meters are fully automated and the event specific target scenario is computer driven and scored from the range tower, thus providing the firer with immediate performance feedback.

Range 5 is also a multi-purpose range that supports:

a. **USCC CADET ONLY** - M249 (5.56mm) Squad Automatic Weapon & M60/M240B (7.62mm) Machine Gun (MG). When firing SAW/MG on Range 5 it is restricted to 8-lanes (red lane markers). A 10-Meter Course allows for zeroing the SAW/MG, conducting crew drill, firing controlled-bursts at point targets, and using traverse and search techniques on area targets. A SAW/MG familiarization course of fire is also available with fixed stationary (automated) targets at 200, 300 and 400 meters. Use of bipod is mandatory for all M249 firing and T&E w/tripod for all M240B firing.

NOTE: Range 5 is waived only for USCC Cadet M239/M240B MG FAM FIRE during CST. No other unit may reserve Range 5 for SAW or MG firing.

b. Pistol qualification, M16/M4 25-Meter zero and ALT-C course.

2.2 Range Location

Range 5 is located in training area Z3, vicinity grid WL82388052, adjacent to Range 4, and is accessible from Hwy 293 across from Range Operations. A key is necessary to access this range.

2.3 Standard Supported Courses of Fire

Range 5 supports the following course of fire:

M16/M4 = 16 Lanes	M249/M240B = 8 Lanes (<i>Red Lane Markers</i>)
Field Fire I (Single Timed Targets)	10-Meter Basic Machine Gun Fire, Table I
Field Fire II (Multiple or Single Timed Targets)	Machine Gun Familiarization
25-Meter Zero & ALT-C Course	
Pistol Qualification	

2.4 Authorized Weapons & Ammunition

WEAPON CALIBER	AMMUNITION DODIC
.22, .38, .40, 45 Cal, 9mm, 10mm	A091, A400, A47X, A482, A483, A363, AA49, A36X
M16/M4 Rifle 5.56mm	A059, A071, AA33, and * AB Series Ammo
M249 SAW MG, 5.56mm	A059-Ball, and A064 Tracer, Linked and * AB Series Ammo
M240B MG, 7.62	A130-Ball, and A143 Tracer, Linked and * AB Series Ammo
	* LANE RESTRICTIONS REQUIRED WITH AB SERIES (EPR) AMMUNITION

2.5 Range Specific Safety Measures

2.5.1 Danger Areas

WEAPON CALIBER	TRAINING AREAS CLOSED
5.56mm (M16/M4 and M249 SAW MG)	D4, D6, E2, Z3, Z4 (*Mine Torne Rd) Range Road 27 and Range 7.
7.62MM (M240B MG)	D4, D6, E2, U1, U2, Z3, Z4, Z5, Z6, and Mine Torne Road.
NOTES:	All Training Areas penetrated by the SDZ will be closed. Use of these training areas requires current Deviation IAW AR/DA Pam 385-63. Ammunition will not be stored overnight on the range complex.

2.5.2 Range Gate Guard Requirements

For firing both 5.56mm and 7.62mm weapons a gate guard will be posted at the guard shack at the entrance to the range.

NOTE: No guard is necessary at the intersection of the firing line on Range 5 and the road to McNair Observation Post. HOWEVER, the Range OIC must ensure the downrange chain gate is in place.

2.5.3 Range and Gate Closures

Range 5 requires the closure of the following:

WEAPON SYSTEM	GATES	RANGES	ROADS
5.56mm (M16/M4 and M249 SAW MG)	Range entrance near guard shack	OP McNair	N/A
7.62mm (M240B MG)	Range entrance near guard shack.	OP McNair	N/A

2.6 Range Targetry

Range 5 supports the following targetry:

TARGET DESCRIPTION	TARGET NSN
Basic 10-Meter MG Target	6920-00-078-5123
Single & Double E-Type Plastic Silhouettes	6920-01-071-4780
Target, Cardboard, E-Type	6920-00-795-1806
Target Zero, M16A2/M4	6920-01-395-2949
Target, 25-Meter ALT C	6920-01-167-1398
Target Silhouette, M9	6920-01-276-6604

2.7 Range Support Facilities

Range 5 has the following range support facilities to support operations:

Range Tower	Ammunition Breakdown Point
Covered Bleachers	Covered Mess Shelter

NOTE: Porta-potty type latrines are located adjacent Range 5.

2.8 Authorized Parking

Military Vehicles – Authorized in designated parking spaces adjacent Ranges 4 and 5, vicinity grid WL82448079. Military Vehicles will not be parked or driven on grass covered areas.

Civilian Privately Owned Vehicles (POVs) – POV parking is located outside of the range gate guard shack in the POV Parking Area. Parking passes may be issued by Range Operations for the OIC/RSO to park adjacent the range.

2.9 Communications

All live fire ranges must maintain two separate means of communication with Range Operations at all times. Primary means of communication with Range Operations is the Motorola Handheld "Livefire" Channel. Alternate means of communication is by commercial telephone.

There is a commercial telephone located inside the range tower; telephone number is (845) 938-6036.

A quick reference phone index is located at the front of this SOP Binder.

3. Range Safety & Security Procedures

3.1 Individual Personal Protection Equipment (PPE)

- a. Ballistic (Kevlar or Army Combat Helmet (ACH)) will be worn for safety and protection by all military personnel on the firing line of all ranges. This requirement applies to firer's and non-firer's (coaches, range personnel) alike. (OIC's discretion)
- b. Individual Body Armor (IBA) or Flak Jackets are required on all firing ranges, and will be worn by all personnel engaged in any live fire activity. This reinforces appropriate combat conditions and proper training environment of any weapon marksmanship training program. (OIC's discretion)
- c. Eye Protection. All personnel engaged in any live fire activity **WILL** wear individual approved eye protection. (Mandatory)
- d. Hearing Protection. All personnel engaged in any live fire activity **WILL** wear approved single point hearing protection. This requirement applies to firer's and non-firer's (coaches, range personnel) alike. (Mandatory)

3.2 Weapons Handling

- a. Weapons will be carried in such a manner that the muzzle of the weapon is always pointed up and down range.
- b. All weapons will be inspected by the OIC or RSO before firing and upon completion of firing prior to leaving the range to include when using blank ammunition. ALL weapons will be cleared by use of the weapons clearing barrels at the center of the range and visually verified by the Range OIC or RSO upon entering or exiting the firing line.
- c. Under NO circumstances will any weapon be removed from the firing line while loaded or when suspected of having a round in the chamber or receiver.
- d. Weapons may be taken into bleachers but will remain in the possession of the user. They will not be left unattended.
- e. RSO must be on the range if weapons are present. If weapons and ammunition are on the range, OIC must be present.
- f. Weapons **WILL NOT** be stored overnight on any range or training area.

3.3 Malfunction & Misfire Procedures

- a. Under NO circumstances will any individual attempt to reduce a stoppage of a weapon by use of force or tools not specifically designed for such a purpose. In circumstances where a weapon system or ammunition has malfunctioned or misfired:

STEP	ACTION
1	Firer or crew should immediately take the appropriate individual or crew actions required IAW the applicable weapon system FM / TM publication.
2	If immediate action drill does not remove the stoppage, the weapon will be checked by the RSO, and the Range OIC will be notified.
3	Report the malfunction / misfire to Range Operations by type and nomenclature. Range Operations will contact the Quality Assurance Specialist, Ammunition Surveillance (QASAS) or a Logistic Assistance Representative (LAR) from DOL.
4	Weapon will remain on the firing line, oriented down range.
5	Weapon will be safeguarded until QASAS or LAR arrive to investigate.
6	Should a misfire occur during the firing of authorized artillery or mortar ammunition:
6a	Restore any misfired rounds to an unarmed or "safe" condition by resetting the fuse and reinstalling any safeties applicable for the round.

6b	Place the misfired round into the original shipping container and label the container as a misfired round.
6c	Upon completion of the range firing, return any misfired ammunition items to the ASP.
7	If the misfired round cannot be made safe or disarmed:
7a	Establish a "misfire" pit (normally 50 feet in front of the firing line in a defilade), and ensure there are proper markings to identify the dud pit.
7b	Initiate a follow up report to Range Operations of the misfire, and provide the location of the misfire pit, as well as the name and unit of the individual who has knowledge of the circumstances of the misfire.
7c	Explosives or ammunition remaining in the misfire pit at the completion of firing will be guarded against pilferage or unauthorized handling until removed or disposed of by appropriate means.
7d	Misfired rounds will NOT be removed from the range until they are inspected by EOD or Range Operations personnel.

3.4 Ammunition Handling & Storage

All training ammunition, pyrotechnic items or explosive material will be handled and stored IAW Chapter 2, FM 9-13 and DA Pam 385-64. Issuing and accounting for all training ammunition and explosive items will be IAW Chapter 11, DA Pam 710-2-1 (Supply Update). Contact the West Point Ammunition Supply Office for specific procedures for requesting, drawing and turning in ammunition and any residue.

Using units are responsible for the physical security, safeguarding, storing, and handling and will ensure the ammunition or explosive items are protected from the weather.

Using units will perform the following ammunition or explosive storage actions any time ammunition or explosive items are stored on a range, at a firing point, or at any field storage location. All live or blank ammunition and explosive items; will adhere to the actions and procedures below.

STEP	ACTION
1	Will either be placed on pallets or dunnage at the range site; or utilize the covered ammo shelter or ammunition issue and breakdown building on the range if present.
2	Be positioned in a dry or well drained area if stored on pallets.
3	Be covered by tarpaulins for protection from sparks, direct sunlight, rain or other weather effects.
4	Have on hand the proper type and required number of functional fire extinguishers, located at the ammunition storage site.
5	Have the proper type and number of warning placards displayed.
6	Have "NO SMOKING" signs prominently posted.
7	Have storage site access controlled, guarded and secured.
8	Be segregated by class and type. This requirement specifically applies to blank ammunition, simulators and pyrotechnic items.
9	Limit the unpacking of all ammunition items at a range or firing point to the minimum number of rounds needed for efficient firing of the exercise.
10	All vehicles will have the proper type and numbers of identifying placards prominently displayed whenever a vehicle is used to transport ammunition, explosives or pyrotechnic items.
11	Vehicles transporting ammunition will move directly to and from the range and ammunition supply point.

3.5 Army Range Safety Memorandums/Messages (ARSMMs)

Interim changes may be published to AR or DA Pam 385-63 as Army Range Safety Memorandums/Messages (ARSMMs). A file of all current ARSMMs is maintained at Range Operations. Range OIC/RSO personnel will be familiar with ARSMMs associated with specific training being conducted prior to conducting operation on the range.

3.6 Unexploded Ordnance (UXO) and Reporting of Duds

Do NOT touch or disturb any Unexploded Ordnance (UXO) encountered. Leave any UXO discovered in place, including all rounds observed as falling into or within the designated range impact area but which fail to function (detonate). All rounds that fall into the common impact area, but fail to detonate will be reported to Range Operations at the conclusion of the range firing.

If a round, a suspicious item or ordnance, or a UXO item is found outside a designated range firing impact area do NOT disturb the item. Conspicuously mark the item, route traffic a safe distance around. Report the UXO immediately to Range Operations and initiate a dud report.

3.7 Ammunition Amnesty Program

The Ammunition Amnesty Program is designed to ensure maximum recovery of ammunition and explosives. This program is not intended to circumvent normal turn-in procedures. Other munitions and ammunition above 7.62mm will be retrieved only by EOD, ASP or Range Operations personnel. Documentation is not required for turn-in under the Ammunition Amnesty Program. Contact West Point ASP Office at Commercial telephone 938-3216 for further information.

4. Range Operational Requirements/Responsibilities

4.1 Range Officer in Charge (OIC) / Range Safety Officer (RSO) Appointment Requirements

WEAPON SYSTEM	OFFICER IN CHARGE (OIC)			RANGE SAFETY OFFICER (RSO)		
	OFF	CADET	NCO	OFF	CADET	NCO
Practice hand grenade simunitions training devices; simulators, and small arms (5.56mm and below)	X	N/A	E6(P)	X	X (Wpns Qualified)	E5(P)
Chemical Agents (CS) and smoke	X	N/A	E6 (MOS Qualified)	X	N/A	E5
Aerial gunnery, live grenades, grenade launchers, grenade machine guns; Live mines, and demolitions.	X	N/A	E7	X	N/A	E6
Field Artillery and LASER ranges	X (0-3)	N/A	N/A	Battery XO X	N/A	N/A
Live Fire Exercises using organic weapons, team through squad.	X	N/A	N/A	X	N/A	E7
Mortars	X	N/A	N/A	X	N/A	E6
Direct fire antitank rockets	X	N/A	E7	X	N/A	E6
Specialty Non-LFX Courses	X	N/A	E6	X	X	X
Specialty Non-LFX Courses (Rappel) * Rappel Master Certified	X*	N/A	E7*	X	N/A	E6

Table 4-1, OIC / RSO Appointment Requirements

4.2 Range Officer in Charge (OIC)

The Range OIC holds the responsibility and accountability for the conduct of the activity and the adherence to governing regulations and guidance.

4.2.1 OIC Qualifications

A commissioned, warrant, or noncommissioned officer (NCO) may serve as a Range OIC. NCOs serving as OIC will be in the grade as shown in Table 4-1 above, at a minimum. Range OICs will be qualified on the weapon(s) systems being fired, and will have satisfactorily completed a range safety certification program in the weapon system(s) for which they are responsible conducted by their Battalion/Unit (O5 & above Command) to which they are assigned.

4.2.2 OIC Actions & Procedures before Range Occupation

STEP	ACTION	TAKEN
1	Thoroughly plan the range operation and/or training activity and determine the personnel and equipment support requirements.	
2	Be weapons system(s) qualified, and that his/her command safety certification and appointment is completed, and on file at Range Operations.	
3	Receive the mandatory Range Operations briefing prior to use.	
4	Ensure a qualified RSO is command safety certified and appointed, and briefed by Range Operations. OIC briefs the RSO on his/her duties to be performed.	
5	Verify that all personnel in a direct supervisory role or safety position are familiar with the provisions of this SOP, USMA Reg. 350-11, AR/DA Pam 385-63, and the FM/TMs governing the weapon(s) system and ammunition to be fired.	
6	Ensures that the required and appropriate medical support personnel are qualified. All appropriate equipment and supplies are available to support the range operation(s) and/or training activity.	
7	Check in at Range Operations upon arrival to the installation to receive an updated briefing and sign for the range and necessary support equipment.	
8	Assign an Ammo NCO to be responsible for, and to ensure that ammunition and explosives are properly drawn, transported, handled, stored, and accounted for, from time of receipt, to the time of expenditure or turn in.	
9	Develops a composite risk management worksheet for all phases of the range operation(s) and/or training activity, and mitigate initial high and extremely high hazards through appropriate control measures, using DA Form 2977.	

4.2.3 OIC Actions & Procedures before Operations

STEP	ACTION	TAKEN
1	Ensures the correct range/firing position and or training facility is occupied, and conducts a joint inventory with a Range Operations representative to verify the presence and condition of the range facilities and equipment.	
2	Conducts a Range OIC brief to the RSO, Range Safety Assistants, Medical NCO, Assistant Instructors, Ammunition detail, Range Gate Guards and Range/Target Operator, reinforcing their duties and responsibilities on the conduct of the range operation, and on UXO recognition.	
3	Directs and supervises that the required designated areas of the range are established and set up as required/planned. (Firing Line, Ammo Issue Point, etc...)	
4	Establishes primary radio and secondary telephone communications with Range Operations, and notifies Range Operations upon initial occupation.	
5	Ensures that the red range flag is displayed during daylight operations, and that the red flashing light on the flag pole is displayed during periods of limited visibility.	
6	Verify that the down range portion of the range and impact area are clear of unauthorized personnel and that the appropriate range specific safety measures for range gates, barriers, gate guards and danger areas directed by Range Operations have been taken (Refer to paragraph 2.5 of this SOP).	
7	Verify that the required medical personnel and equipment support is on site, with strip maps to local medical treatment facilities is present, prior to requesting a HOT status.	
8	Verify the continuous safety and security of ammunition on the range. Under NO circumstances will ammunition or explosives be unguarded or unattended. Ammunition must be stored in the designated area and NO smoking is allowed within 50 feet of the ammunition or the firing line.	

9	Verify that all weapons are mechanically safe to fire.	
10	Verify that all personnel wear the required personal protection equipment, and that left handed firers have brass deflectors installed on their weapon.	
11	Ensures that a qualified target/computer operators is present, range targetry is fully operational, and that ONLY authorized courses of fire are conducted per the weapon system	
12	Ensure all applicable references and regulations are physically present and on hand:	
13	Notifies Range Operations and requests permission to place the range in a HOT status (Refer to paragraph 7.1).	
14	Implements risk management actions and applicable control measures identified for this phase of the range operations and/or training event.	

4.2.4 OIC Actions & Procedures during Operations

STEP	ACTION	TAKEN
1	Be present at all times in the range tower while the range is in a HOT status, and maintains a constant observation of the firing line at all times during range firing.. Be prepared to meet and brief all range visitors/VIPs, and Range Operations personnel.	
2	Verify that all personnel prior to firing receive a range safety briefing, and that only authorized weapons and ammunition are about to be used.	
3	Ensures that the left and right range limits are marked and identified by red blinking lights or chem-lights during periods of reduced visibility.	
4	Verify that the quantity of ammunition unpacked at the designated ammunition storage site is kept to the minimum number of rounds needed for efficient firing for the exercise/course of fire being conducted.	
5	Notifies Range Operations when first round is fired down range (Refer to paragraph 7.2).	
6	Ensures that primary and secondary means of communication with Range Operations are maintained, and that hourly radio checks are performed (Refer to paragraph 7.8)	
7	Ensures that communications are maintained with all road/gate guards.	
8	Verify that personnel and/or weapons do NOT move to or leave the firing line without being cleared, and only on permission by the Range Safety Officer.	
9	Maintains a constant observation of the firing line at all times, and that the down range safety danger areas remain clear.	
10	Immediately calls or announces a self-imposed "Cease Fire" and notifies Range Operations when (Refer to paragraph 7.5):	
10a	Any unsafe action is observed or reported by ANY individual observing an unsafe act.	
10b	When communications are lost with Range Operations and/or Gate Guards.	
10c	When any personal injury, major weapon or ammunition malfunction occurs.	
10d	When any personnel, vehicle, animal or aircraft is observed down range, or in the safety zone danger areas.	
10e	When a range or woodland fire is observed.	
10f	When any rounds or projectiles are observed to land outside the prescribed impact area.	
10g	Whenever the OIC, RSO, or medical support leaves the range	
11	Verify that all weapon malfunctions are handled IAW appropriate FM/TM.	
12	Ensures that all misfires, hang fires, or cook-offs are handled IAW appropriate FM/TM.	
13	Notifies Range Operations when a change in OIC/RSO is needed (refer to paragraph 7.7).	
14	Notifies Range Operations when last round is fired down range (refer to paragraph 7.3).	
15	Implements risk management actions and applicable control measures identified for this phase of the range operations and/or training event.	

4.2.5 OIC Actions & Procedures after Operations

STEP	ACTION	TAKEN
1	Notify Range Operations upon completion of firing/training and request permission to go COLD (reference procedure 7.4). Be prepared to report:	
1a	Number of personnel trained.	
1b	Number of rounds expended by type and DODAC.	
2	Verify 100% accountability for all weapons and ammunition.	
3	Verify that ALL personnel are searched for ammunition and brass prior to their departure from the range.	
4	Contact Range Operations for range clearance/inspection after performing the following:	
4a	Range flag is lowered and red blinking lights are recovered (if applicable).	
4b	Police range for all brass. All brass, prescribed CL V recoverable items, packing material and unexpended ammunition are returned to the ASP.	
4c	Police range for all trash and place in local dumpster. NO MREs, kitchen waste or CL V ammunition dunnage will be placed in the dumpsters.	
4d	Check overall condition of the range to include all range support facilities.	
4e	Road barriers, gates are re-opened and gate guards are recovered.	
4f	Hand receipted range equipment and supplies are recovered, cleaned and prepared for turn-in.	
5	Conduct a joint inventory IAW range clearance agreement with a Range Operations representative for clearance of range/training area.	
6	Return all hand-receipted range equipment, along with any applicable reports/forms to Range Operations.	

4.3 Range Safety Officer (RSO)

A direct representative of the Range OIC and responsible to the OIC for insuring the adequacy of safety of firing, training operations, and ensuring compliance to governing regulations and guidance.

4.3.1 RSO Qualifications

A commissioned, warrant, or noncommissioned officer may serve as the RSO. NCO grade requirements will be in accordance with Table, 4-1 above, at a minimum. Personnel assigned as RSO will have NO other duties during that period of training. RSOs will be qualified on the weapon(s) systems being fired, and will have satisfactorily completed a range safety certification program in the weapon system(s) for which they are responsible conducted by their Battalion/Unit (O5 & above Command) to which they are assigned.

4.3.2 RSO Actions & Procedures before Operations

STEP	ACTION	TAKEN
1	Assist the Range OIC in the planning of the range operation and/or training activity when needed or as applicable to ensure its safe and efficient operation.	
2	Be weapons system(s) qualified, and that his/her command safety certification and appointment is completed, and on file at Range Operations.	
3	Receive the mandatory Range Operations briefing prior to use of range/training facility.	

4	Ensure that all personnel appointed to assistant range safety positions are qualified and familiar with the provisions of this SOP, West Point Reg. 350-11, AR/DA Pam 385-63, and the FM/TMs governing the weapon(s) system and ammunition to be fired.	
5	Ensure that all personnel appointed to assistant range safety officer (ARSO) roles are briefed. Recommended ratio of ARSO's to shooters is 1:5.	
6	Ensures that the down range portion of the range and visible portion of the impact area are clear of unauthorized personnel prior to range OIC requesting the range be placed in a HOT status.	
7	Ensures that the required medical personnel and equipment support is on site and remains on site at all times while the range is in a HOT status.	
8	Ensures the continuous safety and security of ammunition on the range.	
9	Assist the Range OIC when needed or as applicable to ensure that the requirements for procedures 4.2.2 and 4.2.3 above are met.	

4.3.3 RSO Actions & Procedures during Operations

STEP	ACTION	TAKEN
1	Be present at all times on the range firing line while the range is in a HOT status, and perform NO other duties except that of the RSO. Ensure safety is paramount.	
2	Receive and organize firing orders, and conduct the following:	
2a	Ensure that all personnel prior to firing receive a range safety briefing, and that only authorized weapons and ammunition are about to be used.	
2b	Ensures that all weapons are mechanically safe to fire.	
2c	Ensures that all personnel wear the required personal protection equipment, and that left handed firers have brass deflectors installed on their weapon.	
2d	Verifies the proper type and quantity of ammunition issued to each firer, and ensures that ammunition unpacked is kept to a minimum to ensure efficient firing of the course of fire being conducted.	
3	Ensures that all personnel and/or weapons do NOT move to or from the firing line without being cleared, and only on the permission of the RSO.	
4	Maintain a constant observation of the firing line at all times, and that the visible down range safety area remains clear.	
5	Ensures that all weapons engage targets ONLY within their prescribed lane markers, and that all rounds fired down range remain within the prescribed range limits.	
6	Immediately announces and calls for a self-imposed "CEASE FIRE" and notifies the Range OIC when any of the following is heard or observed:	
6a	Any unsafe action is observed or reported by ANY individual observing an unsafe act.	
6b	When any personal injury, major weapon or ammunition malfunction occurs.	
6c	When any personnel, vehicle, animal or aircraft is visually observed down range.	
6d	When a range or woodland fire is observed.	
6e	When any rounds or projectiles are observed to land outside the prescribed impact area.	
6f	Whenever the medical support leaves the range.	
7	Ensure that the range ammo issue point maintains accurate and proper accountability of all CL V items during operations on DA Fm 3020-R.	
8	Ensure that all weapon malfunctions are handled IAW appropriate FM/TM.	
9	Ensures that all misfires, hang fires, or cook-offs are handled IAW applicable FM/TM.	
10	Notifies Range OIC when a change in RSO is needed (refer to paragraph 7.7).	

4.3.4 RSO Actions & Procedures after Operations

STEP	ACTION	TAKEN
1	Ensure 100% accountability for all weapons and ammunition.	
2	Ensure that ALL personnel are searched for ammunition and brass prior to their departure from the range.	
3	Report to the Range OIC upon completion of firing/training the following:	
3a	The number of rounds expended by type and DODAC that was issued and tracked by the ammo issue point NCOIC.	
3b	The police of brass on the firing line, and that all brass, prescribed CL V recoverable items, packing material and unexpended ammunition has been accounted for and is prepared for turn-in to the ASP.	
3c	The police of the range overall for all trash, and that the designated areas of the range that were established are recovered back to the original condition.	
3d	That all range targetry repair has been completed if applicable, and that the overall condition of the range and support facilities are in the original condition.	
3e	All hand receipted range equipment and supplies are recovered, cleaned and prepared for turn-in to the Range OIC and/or Range Operations.	
4	Assist the Range OIC when needed or as applicable to ensure that the requirements for procedures 4.2.5 above are met.	

4.4 Range Gate Guards

The Range OIC will ensure gate guards are posted, range gates closed and SDZ gates locked for the range being utilized as outlined in paragraph 2.5. Gate guards will be briefed on their duties, the training that is being conducted and perform their duties IAW West Point Reg. 350-11. Personnel acting as gate guards will:

STEP	ACTION	TAKEN
1	Greet all visitors, provide a short explanation of the training being conducted, identify the Range OICs name and location on the range, and warn of live firing as appropriate. They will direct authorized visitors to a specific location where the visitors will be met by the Range OIC. When entrance to the range is not authorized, the gate guard will advise visitors to wait or to use another route.	
2	Maintain <u>continuous</u> radio communications with Range Operations or with the Range OIC accordingly. The arrival of visitors will be reported immediately to the Range OIC. If the gate guard is unsure whether a visitor is authorized on the range, the gate guard will contact the Range OIC for clarification before granting entrance.	
3	Remain at the gate shack or the gate if no shack is present. Maintain the assigned gate while the range is occupied.	
4	POV's will NOT be used to assist in barrier control or gate guard duty.	
5	Permit Range Operations personnel and vehicles full and un-restricted access to all ranges and training areas while performing their assigned duties.	

5. Range Medical Requirements & Evacuation

5.1 Unit Medical Support Requirements

Units will comply with the following range medical support requirements:

1. For firing 7.62mm using units will provide the following medical support:
 - (1) A trained medical aid person, MOS qualified. This individual will be equipped with a litter, radio communication and a complete medical aid bag, containing all required CL VIII items that have a valid expiration date.
 - (2) A dedicated medical evacuation vehicle, capable of transporting a litter, and properly equipped, and with a current PMCS. Medical aid personnel assigned to these ranges, along with the supporting medical vehicle, will not be used for any other duty.
2. For 5.56mm, using units will provide the following medical support:
 - 1) A current qualified Combat Lifesaver (MOS immaterial). This individual will be equipped with a litter, radio communication and a Combat Lifesaver (CLS) aid-bag, containing all required CL VIII items that have a valid expiration date.
 - 2) A dedicated medical evacuation vehicle, capable of transporting a litter, and properly equipped, and with a current PMCS. CLS personnel assigned to these ranges, along with the supporting medical vehicle, will not be used for any other duty.
3. Any injury on the range requires an immediate notification to Range Operations. Failure to do so may result in the OIC and RSO being decertified and the range placed in an immediate check fire.

5.1.1 Execution

- a. Using unit medical personnel will review and familiarize themselves with the strip map route(s) to KACH ER and the local community hospital prior to live fire range operations are conducted.
- b. Whenever the dedicated medical aid person or vehicle must leave the area for any reason the range must Cease Fire and remain in a "COLD" status until a replacement is provided, or until the assigned vehicle and medical personnel have returned to the range. Range Operations will then grant the unit permission to re-open the range and place the range in a "HOT" status.
- c. Medical support personnel at the range will provide treatment for minor injuries and basic first-aid for life-threatening injury or illness.
- d. Medical evacuation vehicles will display all frequencies and telephone numbers in case of immediate use:
 - a. Range Operations Frequency is Motorola Handheld "Livefire" Channel.
 - b. West Point Fire & Emergency Services Division – 845.938.5197
 - c. Range Operations VHF 126.20.
 - d. KACH ER – 845.938.4004 / 5169.

5.2 Keller Army Community Hospital (KACH)

KACH is **NOT** a trauma center and transportation to KACH ER **may delay** treatment for serious Injuries. In all cases of serious injury or trauma, unit must immediately contact the West Point Fire Department via (845) 938-3333. **ONLY** the WPFDD can call a stat flight.

5.3 Serious Incident Report (SIR) Requirements

Full and immediate medical attention directed at the patient is the first and foremost priority. As soon as possible, the Range OIC or RSO will contact Range Operations and report the medical injury/accident.

Be prepared to provide at a minimum “the Five W’s” (Who, What, When, Where and Why). Failure to contact Range Operations may result in the cease fire of training and the decertification of the OIC.

5.4 Emergency MEDEVAC Flight Requests

The USMA does **NOT** have an organic MEDEVAC capability to support training complex operations; units and organization will plan medical evacuation with their organic assets. Stat Flights are for the emergency evacuation of injured personnel by air ambulance. Only the West Point Fire Department are authorized to request or terminate a MEDEVAC mission.

After hours the WPFDD is contacted by the Military Police Dispatch at (845) 938-3333. Air Frequency is VHF 126.20. To clear the airspace for a Stat Flight, contact Range Operations by Motorola Handheld “Livefire” Channel or by telephone at 3930.

9-LINE MEDEVAC		
ANNOUNCED		LINE INFO DESCRIPTION
LINE	LINE INFO	
1		Location of the Pick-Up site by 6-digit grid and any prominent terrain features nearby.
2		Unit Identification
3	A= B=	Number of Patients by evacuation category/precedence A=Urgent (requires immediate evacuation to prevent loss of life B=Priority (serious injury, but <u>NOT</u> life threatening
4	A= B= C= D=	Special equipment needed: A=none B=hoist C=extraction equipment D=ventilator
5	A= B=	Number of patients A=litter B=ambulatory
6		Number and types of wounds, injuries and illnesses
7		Method of marking landing zone/pick-up site A=panels B=pyrotechnic signal C=smoke signal D=none E=other
8		Patient nationality and status A=US military B=US civilian C=other (describe)
9		Terrain description of pick-up site, any site hazards; if none=so state

6. Range 5 Concept of Operations

Range OIC's should refer to the current publication of DA Pamphlet 350-38, Standards in Training Commission (STRAC). STRAC strategies reflect by unit type each of the specific weapons training strategies and the training doctrine from the appropriate Army Field Manual (FM). This STRAC strategy along with the weapon system FM outlines individual weapon training standards, and reflects tables showing the task and ammunition resources required.

6.1 M16/M4 Rifle – Field Fire I

6.1.1 Field Fire I – Single Timed Targets & Target Detection

Task: Detect and engage single time targets with the M16/M4 rifle.

Condition: During daylight hours, given a M16/M4 rifle, required individual personal protection equipment on a field fire range with timed single target exposures at 75, 175 and 300 meters; given one 18-round magazine for Table 1 (introduction to field fire); and 36 rounds (one 18-round magazine and two 9-round magazines) for Tables 2, 3 and 4, detect and engage all targets within the time exposure.

Number of Rounds fired from each position during Field Fire I		
TABLE	FIRING POSITON	NUMBER OF ROUNDS FIRED
1	Supported prone position	One 18-round magazine
2	Supported prone position	One 18-round magazine
3	Unsupported Prone Position	One 9-round magazine
4	Kneeling Position	One 9-round magazine

Standards: Achieve 22 hits out of 36 timed target exposures in firing tables 2, 3 and 4.

Firing Rules & Instructions.

1. The rear sight is on the proper setting (M16A2/3 = 8/3; M16A4 and M4 = 6/3 flush).
2. The rear sight aperture is set on 300, NOT 800.
3. The M16A1's rear sight is set on the unmarked aperture marked, short range.
4. The small aperture is being used.
5. Peer coaching is allowed and stressed during Table 1 only, and not encouraged in Tables 2, 3 and 4.

6.1.2 Field Fire I – Firing Commands

Computer scenario driven – reference FM 3-22.9, page 6-9, table 6-3.

FIELD FIRE I (Same for each of the four tables within Field Fire I).

Firers, Assume a good _____ position (insert appropriate firing position).

Firers, lock and load one magazine of _____ rounds (insert appropriate # of rounds for the table).

Ready on the Left? Ready on the Right? Ready on the Firing Line?

The firing line is now ready.

Coaches assist firers with their assigned lane to identify left and right lane limits.

Firers place your selector on semiautomatic.

Firers watch your lanes (execute appropriate table scenario on computer)

Firers, CEASE FIRE, lock and clear your weapon, place your selector lever in the SAFE position (after completion of the scenario).

6.2 M16/M4 Rifle – Field Fire II

6.2.1 Field Fire II – Single / Multiple Timed Targets & Target Detection

Task: Detect and engage single and multiple timed targets with the M16/M4 rifle.

Condition: During daylight hours, given a M16/M4 rifle, required individual personal protection equipment on a field fire range with timed single and multiple target exposures at 75, 175 and 300 meters; given one 10-round magazine for Table 1; and 44 rounds (two 22-round magazines) for Tables 2 and 3, detect and engage all targets within the time exposure.

Number of Rounds fired from each position during Field Fire II		
TABLE	FIRING POSITON	NUMBER OF ROUNDS FIRED
1	Supported prone position	One 10-round magazine
2	Supported prone position	One 22-round magazine
3	Unsupported Prone Position	One 22-round magazine

Standards: Achieve 27 hits out of 44 timed target exposures in firing tables 2, 3 and 4.

Firing Rules & Instructions.

1. The rear sight is on the proper setting (M16A2/3 = 8/3; M16A4 and M4 = 6/3 flush).
2. The rear sight aperture is set on 300, NOT 800.
3. The M16A1's rear sight is set on the unmarked aperture marked, short range.
4. The small aperture is being used.
5. Peer coaching is allowed and stressed during Table 1 only, and not encouraged in Tables 2 and 3.

6.2.2 Field Fire II – Firing Commands

Computer scenario driven – reference FM 3-22.9, page 6-10, table 6-5.

FIELD FIRE II (Same for each of the three tables within Field Fire II).

Firers, Assume a good _____ position (insert appropriate firing position).

Firers, lock and load one magazine of _____ rounds (insert appropriate # of rounds for the table).

Ready on the Left? Ready on the Right? Ready on the Firing Line?

The firing line is now ready.

Coaches assist firers with their assigned lane to identify left and right lane limits.

Firers place your selector on semiautomatic.

Firers watch your lanes (execute appropriate table scenario on computer)

Firers, CEASE FIRE, lock and clear your weapon, place your selector lever in the SAFE position (after completion of the scenario).

6.3 10-Meter Basic MG Course of Fire

The 10-meter course of fire trains the gunner to apply the fundamentals of MG marksmanship in live fire, by zeroing, conduct crew drill, fire controlled-bursts at point targets, and use traverse and search techniques on area targets. The 10-meter MG course provides for zeroing the MG and a practice and record qualification at 10-meters. A bipod on the M249 SAW and a tripod with T&E mechanism on the M240B MG **IS MANDATORY** when firing. The 10-meter course (Firing Table I) is conducted IAW FM 3-22.68 (reference page 4-41, table 4-3), and has six tasks.

FIRING TABLE I – M249 and M240B MG WEAPONS, BASIC 10-METER FIRE					
TASK	TIME	ROUNDS		PASTER TARGETS	TYPE FIRE
		QTY	TYPE		
1	No limit	12	Ball	A1 and A2	12 single rounds (zero)
2	No limit	28	Ball	A3 and A4	5-7 round burst for each paster
3	No limit	35	Ball	A5 and A6	5-7 round burst for each paster, traverse and search
4	No limit	56	Ball	A7 and A8	5-7 round for each paster
*5	45 Seconds	56	Ball	B7 and B8	5-7 round for each paster
*6	30 Seconds	35	Ball	B5 and B6	5-7 round burst for each paster
NOTE 1: The gunner fires pasters on sections A and B, and the A-gunner fires on Sections C and D.					
NOTE 2: Tasks *5 and *6 are 10-meter qualification tasks.					

6.3.1 10-Meter Conduct of Fire

The crew drill will be conducted as part of the 10-meter firing for tables 2-4 for practice and tables 5-6 for qualification. Remember, a bipod is required for the M249 SAW and a tripod with a T&E mechanism is required for the M240B when firing.

6.3.2 Task 1—Zero

a. The gunner should zero his weapon in 9 rounds. He should use the other 3 rounds to confirm the zero. If he cannot zero in 12 rounds, he leaves the firing line and attends remedial training.

1) The tower operator commands MACHINE GUN TO BE MOUNTED HERE (weapon squad leaders indicate the firing points on the 10-meter line), FRONT (weapon squad leader points to the 10-meter targets), ACTION.

- 2) At the command ACTION, the machine gun crew places the machine gun into action.
- 3) The gunner prepares the rear sight for zeroing and checks the front sight.
- 4) The gunner assumes a good tripod position.
- 5) The tower operator instructs the gunner to prepare a single round.
- 6) The gunner and assistant gunner repeat each element of the following fire command:

FIRE MISSION.....The gunner loads and moves the safety to "F."

FRONT.....The gunner focuses on the target or target area.

PASTERS A1 and A2.....The gunner locates the target.

FIVE HUNDREDThe gunner adjusts sights and acquires the sight picture.

FIXED, ONE ROUND.....The gunner is given the method of fire.

COMMENCE FIRING.....The gunner fires on command from tower operator.

- 7) The gunner loads one round, obtains the proper sight picture, and signals "thumbs up" to the assistant gunner.
- 8) The assistant gunner relays the ready signal to the tower operator.
- 9) The tower operator commands COMMENCE FIRING.
- 10) When ready, the gunner engages paster A1 with three single shots.

- 11) The gunner moves downrange to observe, mark, and triangulate the shot group. He adjusts as needed.
- 12) He repeats Steps 3 through 10 until he has zeroed or fired 12 rounds. If he has not zeroed after 12 rounds, he is removed from the firing line for retraining. Once he zeroes, he fires the remaining rounds at paster A2 to confirm the zero.

6.3.3 Task 2—Controlled Burst Fire, Traverse

- a. The tower operator instructs the gunner to prepare a 28-round belt.

- 1) The gunner and assistant gunner repeat each element of the following fire command:

FIRE MISSION

FRONT

PASTERS A3 AND A4

FIVE HUNDRED

FIXED, FIVE TO SEVEN-ROUND BURST

AT MY COMMAND

- 2) The gunner acquires the proper sight picture and signals "thumbs up" to the assistant gunner.
- 3) The assistant gunner relays the ready signal to the tower operator.
- 4) The tower operator commands FIRE.
- 5) The gunner engages pasters A3 and A4, firing a 5- to 7-round burst at each paster, using traverse.

6.3.4 Task 3—Controlled Burst Fire, Traverse & Search

- a. The tower operator instructs the assistant gunner to prepare a 35-round belt.

- 1) The gunner and assistant gunner repeat each element of the following fire command:

FIRE MISSION

FRONT

PASTERS A5 AND A6

FIVE HUNDRED

TRAVERSE AND SEARCH, FIVE- TO SEVEN-ROUND BURST

AT MY COMMAND

- 2) The gunner acquires the proper sight picture and signals "thumbs up" to the assistant gunner.
- 3) The assistant gunner relays the ready signal to the tower operator.
- 4) The tower operator commands FIRE.
- 5) The gunner engages pasters A5 and A6, firing a 5- to 7-round burst at each paster, using traverse and search.

6.3.5 Task 4—Controlled Burst Fire, Search & Traverse

- a. The tower operator instructs the gunner to prepare a 56-round belt.

- 1) The gunner and assistant gunner repeat each element of the following fire command:

FIRE MISSION

FRONT

PASTERS A7 AND A8

FIVE HUNDRED

TRAVERSE AND SEARCH, FIVE TO SEVEN-ROUND BURST

AT MY COMMAND

- 2) The gunner acquires the proper sight picture and signals "Thumbs up" to the assistant gunner.
- 3) The assistant gunner relays the ready signal to the tower operator.
- 4) The tower operator commands FIRE.
- 5) The gunner engages pasters A7 and A8, firing a 5- to 7-round burst at each paster, using search and traverse technique.
- 6) The gunner and assistant gunner move downrange to observe and analyze the targets.

6.3.6 Task 5—Qualification, Search and Traverse Fire

a. After firing ends, the firing line is cleared and the trainers or safety officers move downrange and score the targets. Someone besides the gunner scores his target.

- 1) The tower operator instructs the gunner to prepare a 56-round belt.
- 2) The gunner and assistant gunner repeat each element of the following fire command:

FIRE MISSION

FRONT

PASTERS B7 AND B8

FIVE HUNDRED

TRAVERSE AND SEARCH, FIVE- TO SEVEN-ROUND BURST

AT MY COMMAND

- 3) The gunner acquires the proper sight picture and signals "thumbs up" to the assistant gunner.
- 4) The assistant gunner relays the ready signal to the tower operator.
- 5) The tower operator commands FIRE.
- 6) The gunner engages pasters B7 and B8, firing a 5- to 7-round burst at each paster, using search and traverse technique. The gunner has 45 seconds to engage as many pasters as he can during the time allowed.

6.3.7 Task 6—Qualification, Traverse and Search

a. The tower operator instructs the assistant gunner to prepare a 35-round belt.

- 1) The gunner and assistant gunner repeat each element of the following fire command:

FIRE MISSION

FRONT

PASTERS B5 AND B6

FIVE HUNDRED

TRAVERSE AND SEARCH, FIVE- TO SEVEN-ROUND BURST

AT MY COMMAND

- 2) The gunner acquires the proper sight picture and signals "Thumbs up" to the assistant gunner.
- 3) The assistant gunner relays the ready signal to the tower operator.
- 4) The tower operator commands FIRE.
- 5) The gunner engages pasters B5 and B6, firing a 5- to 7-round burst at each. He uses traverse and search. He has 30 seconds to engage as many pasters as he can.
- 6) When the gunner and assistant gunner return from downrange, the tower operator commands OUT OF ACTION.
- 7) The machine gun crew then takes the machine gun out of action.

NOTE: Upon completion of all firing, the firing line is cleared and the trainers or safeties move downrange and score the targets. Someone besides the firer scores his target. DA Form 85-R is used to record scores.

6.4 M249/M240B MG Familiarization Firing

Range 5 supports MG familiarization only for CST. During this period, MG familiarization is supported by stationary (automated) MG targets emplaced at 200, 300 and 400 meters. Use bipod is mandatory for all M249 firing. Use of tripod and TE mechanism are mandatory for use of M240B.

7. Radio Procedures

7.1 Requesting a Hot Status

RANGE: RANGE OPERATIONS, THIS IS RANGE 5, OVER

RANGE OPERATIONS: RANGE 5, THIS IS RANGE OPERATIONS. GO AHEAD, OVER.

RANGE: RANGE OPERATIONS, THIS IS RANGE 5. REQUEST A HOT TIME, OVER.

RANGE OPERATIONS: RANGE 5, THIS IS RANGE OPERATIONS, DO YOU PHYSICALLY HAVE ON SITE REQUIRED MEDICAL SUPPORT WITH EQUIPMENT, RANGE SAFETY SOP BINDER, RED RANGE FLAG FLYING AND GATE GUARD WITH COMMO, OVER.

RANGE: RANGE OPERATIONS, THIS IS RANGE 5, YES, OVER.

RANGE OPERATIONS: RANGE 5, THIS IS RANGE OPERATIONS. I GIVE YOU A HOT TIME OF _____ HOURS. MY INITIALS ARE _____. CONFIRM HOT TIME AND SEND YOUR RANGE OIC INITIALS, OVER.

RANGE: RANGE OPERATIONS, THIS IS RANGE 5. I CONFIRM HOT TIME OF _____. RANGE OIC INITIALS ARE _____, OVER.

RANGE OPERATIONS: RANGE 5, THIS IS RANGE OPERATIONS. NOTIFY RANGE OPERATIONS WHEN FIRST ROUND IS FIRED DOWN RANGE. CONDUCT RADIO CHECKS WITH RANGE OPERATIONS HOURLY AT THE TOP OF THE HOUR, YOUR FIRST RADIO CHECK IS DUE AT _____. RANGE OPERATIONS OUT.

7.2 Reporting First Round Fired Down Range

RANGE: RANGE OPERATIONS, THIS IS RANGE 5, OVER.

RANGE OPERATIONS: RANGE 5, THIS IS RANGE OPERATIONS. GO AHEAD, OVER.

RANGE: RANGE OPERATIONS, THIS IS RANGE 5. FIRST ROUND FIRED DOWN RANGE, OVER.

RANGE OPERATIONS: RANGE 5, THIS IS RANGE OPERATIONS. I COPY FIRST ROUND FIRED DOWN RANGE AT _____, RANGE OPERATIONS OUT.

7.3 Reporting Last Round Fired Down Range

RANGE: RANGE OPERATIONS, THIS IS RANGE 5, OVER.

RANGE OPERATIONS: RANGE 5, THIS IS RANGE OPERATIONS. GO AHEAD, OVER.

RANGE: RANGE OPERATIONS, THIS IS RANGE 5. LAST ROUND FIRED DOWN RANGE, OVER.

RANGE OPERATIONS: RANGE 5, THIS IS RANGE OPERATIONS. I COPY LAST ROUND FIRED DOWN RANGE AT _____, RANGE OPERATIONS OUT.

7.4 Requesting a Cold Status

RANGE: RANGE OPERATIONS, THIS IS RANGE 5, OVER.

RANGE OPERATIONS: RANGE 5, THIS IS RANGE OPERATIONS. GO AHEAD, OVER.

RANGE: RANGE OPERATIONS, THIS IS RANGE 5. REQUEST A COLD TIME, OVER.

RANGE OPERATIONS: RANGE 5, THIS IS RANGE OPERATIONS. I GIVE YOU A COLD TIME OF _____. MY INITIALS ARE _____. CONFIRM COLD TIME, SEND YOU RANGE OIC INITIALS, YOUR AMMUNITION QUANTITY EXPENDED BY TYPE/DODAC AND THE NUMBER OF PERSONNEL TRAINED, OVER.

RANGE: RANGE OPERATIONS, THIS IS RANGE 5. I CONFIRM COLD TIME OF _____. RANGE OIC INITIALS ARE _____. _____ (#) ROUNDS OF _____ (DODAC) EXPENDED, WITH _____ (#) PERSONNEL TRAINED, OVER.

RANGE OPERATIONS: RANGE 5, THIS IS RANGE OPERATIONS, ROGER, OUT.

7.5 Requesting a Cease Fire Time

RANGE: RANGE OPERATIONS, THIS IS RANGE 5, OVER.

RANGE OPERATIONS: RANGE 5, THIS IS RANGE OPERATIONS. GO AHEAD, OVER.

RANGE: THIS IS RANGE 5, REQUEST A CEASE FIRE TIME, OVER.

RANGE OPERATIONS: RANGE 5, THIS IS RANGE OPERATIONS. I GIVE YOU A CEASE FIRE TIME OF _____ HOURS. MY INITIALS ARE _____. CONFIRM CEASE FIRE / ADMIN COLD TIME AND PROVIDE YOUR RANGE OIC INITIALS, OVER.

RANGE: RANGE OPERATIONS, THIS IS RANGE 5. I CONFIRM CEASE FIRE TIME OF _____. MY RANGE OIC INITIALS ARE _____, OVER.

RANGE OPERATIONS: RANGE 5, THIS IS RANGE OPERATIONS, ROGER, OUT.

7.6 Requesting to Lift Cease Fire Time

RANGE: RANGE OPERATIONS, THIS IS RANGE 5, OVER.

RANGE OPERATIONS: RANGE 5, THIS IS RANGE OPERATIONS. GO AHEAD, OVER.

RANGE: RANGE OPERATIONS, THIS IS RANGE 5. REQUEST TO LIFE CEASE FIRE TIME AND RETURN TO A HOT STATUS, OVER.

RANGE OPERATIONS: RANGE 5, THIS IS RANGE OPERATIONS. I LIFT YOUR CEASE FIRE TIME STATUS AND PLACE YOU BACK INTO A HOT STATUS AT _____ HOURS. MY INITIALS ARE _____. CONFIRM RETURN TO HOT STATUS AND PROVIDE YOUR RANGE OIC INITIALS, OVER.

RANGE: RANGE OPERATIONS, THIS IS RANGE 5. I CONFIRM RETURN TO HOT STATUS TIME OF _____. MY RANGE OIC INITIALS ARE _____, OVER.

RANGE OPERATIONS: RANGE 5, THIS IS RANGE OPERATIONS, ROGER, OUT.

7.7 Change of OIC / RSO.

RANGE: RANGE OPERATIONS, THIS IS RANGE 5, OVER.

RANGE OPERATIONS: RANGE 5, THIS IS RANGE OPERATIONS. GO AHEAD, OVER.

RANGE: RANGE OPERATIONS, THIS IS RANGE 5. REQUEST A CHANGE OF OIC (or RSO), OVER.

RANGE OPERATIONS: RANGE 5, THIS IS RANGE OPERATIONS. SEND THE LAST NAME AND THE INITIALS OF THE NEW RANGE OIC (or RSO), WITH YOUR INITIALS, OVER.

RANGE: RANGE OPERATIONS, THIS IS RANGE 5. NEW OIC / RSO LAST NAME IS _____, NEW OIC / RSO INITIALS ARE _____. MY INITIALS ARE _____, OVER.

RANGE OPERATIONS: RANGE 5, THIS IS RANGE OPERATIONS. ROGER, OUT.

7.8 Requesting a Radio Check (Hourly at the Top of the Hour)

RANGE: RANGE OPERATIONS, THIS IS RANGE 5. RADIO CHECK, OVER.

RANGE OPERATIONS: RANGE 5, THIS IS RANGE OPERATIONS, ROGER, OUT.

8. Range Safety Brief

All firers will be briefed on the following items. This general safety brief is not all inclusive and requires the Range OIC / RSO to include commander's guidance, and/or any unit specific or other situational dependent areas of concern.

NOTE: Insert range, weapon and course of fire specifics that are required and/or applicable.

1. Identify the Range Officer in Charge (OIC) and the Range Safety Officer (RSO) at a minimum.
2. Identify the Location of Range Staff Cadre:
 - a) Range OIC and RSO
 - b) Assistant Range Safeties
 - c) Medic & the Evacuation Vehicle
 - d) Ammo Issue Point/Breakdown Building and CL V NCO
 - e) Others as required
3. Prescribed uniforms and personal protection requirements (hearing, eye, helmet and IBA as applicable and required) while on the range.
4. Course of fire and standards for the weapon system being fired.
5. Locations: Break/Smoking Areas, latrines, mess area, firing line and/or firing points, clearing barrels, parking and bleacher site. Also include any off limit or restricted areas.
6. Ammunition holding area/ issue point procedures & security.
7. Left, right limits, fire and no fire zones.
8. Procedures for Medical Emergency.
9. Procedures for range fires.
10. Severe weather plan, environmental requirements, issues and concerns.
11. NO food or beverages on firing line unless directed by OIC except water.
12. Leave all WILDLIFE at this range alone.
13. ALL VEHICLES on this Range will have a GROUND GUIDE.
14. Movement on firing line is directed by OIC.
15. NO pushing, NO shoving or horseplay at ANY time.
16. Unit is responsible for a personnel & vehicle shakedown for ammo & brass. No one will leave the range until this has been completed.
17. If you observe ANY UNSAFE situation, personnel, vehicles, aircraft, or wildlife down range call & indicate "CEASE FIRE" IMMEDIATELY everyone on the firing line echo "CEASE FIRE". Place all weapons on safe until the OIC or RSO have investigated the situation and declared it safe to resume training.
18. While on this Range you will take ALL COMMANDS FROM THE TOWER while on the firing line. Load weapon when instructed to do so by the tower or lane safety.
18. Weapon will remain in the SAFE POSITION unless otherwise specified by the ROIC.
19. No jumping into fox holes, off walls or firing tables. Inspect the firing position prior to entering for poisonous or harmful animals or insects.
20. Weapon malfunction apply immediate action to correct problem IAW appropriate FM if this fails apply remedial action, if this fails notify lane safety who will notify RSO to assist in correcting the malfunction.
21. ALL WEAPONS WILL BE CLEARED PRIOR TO, AFTER AND BEFORE ANY WEAPON IS MOVED FROM THE FIRING LINE. Once cleared off firing line, turn in all ammunition and expended brass to AMMO POINT.
22. When not on the firing line the bolt will be locked to the rear and the weapon on safe. Consider the weapon loaded at all times never point it at anyone.
23. Shooters will not hand a weapon to another person until it has been properly unloaded/cleared and the bolt has been locked to the rear, unless instructed to do otherwise by Range Safety.
24. MUZZLE AWARENESS:
 - a) Maintain positive control of your weapon at all times, LEVEL & DOWN RANGE!
 - b) Keep finger OUTSIDE trigger guard until directed to engage &/or fire
 - c) Be sure of YOUR target!
 - d) Ensure soldiers fire weapon at designated targets only.

9. Risk Management & Mitigation

Range OIC will review, add and update DA Form 2977, Deliberate Risk Assessment Worksheet.

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