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# **U.S. Army Garrison-West Point DPTMS – Range Control Policy & Procedures**

## **Standard Operating Procedure Range 1 (*Argonne*) Hand Grenade (Practice & Live)**



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

## Document History

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### Document Location

All hard copies will be located at Building 1403 Range Control 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:

Name	Title
	USAG-WP, Range Manager
	USAG-WP, Chief of Training
	USAG-WP, Director of Plans, Training, Mobilization & Security

### Distribution Formula

This document has been distributed to:

Office	Name Title
Scheduled User	Issued Hard-bound Binder copy during use of range/facility
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# 1. General Information

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## 1.1 Purpose

This Standard Operating Procedure (SOP) provides standard instructions and checklists for unit and individuals using Range 1, (*Argonne*), Practice & Live Hand Grenade Range. 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.

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## 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 350-11 and DA Pam 385-63.

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## 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.

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## 1.4 References

All required and related publications are those covering the training conducted and those listed in the applicable chapters and Appendix A of 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.

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## 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).

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## 2. Range Description & Characteristics

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### 2.1 Range Description & Definitions



#### 2.1.1 Range Description

Range 1, Practice Hand Grenade range provides for a distance-accuracy course used to train and test individual soldiers on the skills necessary to employ fused practice hand grenades against stationary target emplacements, and to develop proficiency in gripping and proper throwing techniques. Range 1, Live Hand Grenade range is used to train and test individual soldiers in the employment of live fragmentation hand grenades.

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### 2.2 Range Location

Range 1 is located in Training Area Z1, at grid WL84838063, which can be accessed from Range Road 1, off of Route 9W, south of Highway 218. A key is required to access this range.

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### 2.3 Standard Supported Courses of Fire

Range 1 consists of a distance-accuracy course for practice hand grenades (P-HG), and 4 concrete bays for throwing live hand grenades (L-HG) firing lanes. This range complex supports:

4-Lane Distance-Accuracy Course (P-HG)	Qualification Course (P-HG) <b><u>PREREQUISITE</u></b>
Mock-Bay Training (P-HG) <b><u>PREREQUISITE</u></b>	4-Live-Bay Training (L-HG)

## 2.4 Authorized Weapons & Ammunition

HAND GRENADE TYPE	AMMUNITION DODIC
M69 Practice HG with M228 Fuze	G878
M67, Fragmentation Hand Grenade	G881

## 2.5 Range Specific Safety Measures

### 2.5.1 Danger Areas

Training Area Z1 and Range Road 1. The Range Safety area is defined as a 150-meter radius of the throwing area for live hand grenades. All personnel within the 150 meter radius must be in personal protective equipment at all times.

### 2.5.2 Range Gate Guard Requirements

Two gate guards with communications are required during live fire training. Guard #1 will be posted at the entrance to the range area (vic grid SL 85028065) on range road 1, Guard # 2 will be posted at the rear entrance to the range area (vic grid SL 84658035). Gate guards will prevent all personnel and vehicles from proceeding into the SDZ or range complex while live fire training is ongoing.

### 2.5.3 Range and Gate Closures

Range 1 requires the closure of the following:

GATES	RANGES
N/A	Range LFX-1 and Range Road 1 ingress and egress is controlled by Range 1 if occupied, due to the 150-meter radius safety area of the live hand grenade impact area.

## 2.6 Range Targetry

Range 1 consists of what type targets and what ranges and supports the following targetry:

PRACTICE HAND GRENADE	LIVE HAND GRENADE
Various personnel and area type target arrays on the 4-Lane Distance Accuracy Course	E Silhouette Targets enclosed in stacked rubber tires

## 2.7 Range Support Facilities

Range 1 has the following range support facilities to support operations:

Range Tower and Operations Building	Latrines
Bleachers	

NOTES: None

## 2.8 Authorized Parking

Vehicles are NOT PERMITTED to be moved or operated inside the surface danger area of the range while in a HOT status of throwing LIVE Hand Grenades.

Military Vehicles – At the entrance to the Range Area, along Range Road 1, vicinity grid WL85028065. Military vehicles are allowed on the range complex.

Civilian Privately Owned Vehicles (POVs) – All POV's must remain in the POV parking area, at the entrance to the Range Area, along Range Road 1, vicinity grid WL85028065.

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## 2.9 Communications

All live fire ranges must maintain two separate means of communication with Range Control at all times. Primary means of communication with Range Control will be Motorola Handheld "Livefire" Channel. Alternate means of communication will be by commercial telephone in the range tower.

There is a commercial telephone located inside the range tower; telephone number is (845) 938-2464.

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



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## 3. Range Safety & Security Procedures

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### 3.1 Individual Hearing Hazard Zone

DA Pam 40-501 specifies that hearing protection is required for any exposure noise decibel greater than 140 dBP. All personnel within the 140 dBP hearing hazard zone will wear approved single point hearing protection. The size varies based upon the weapons system being used. Multi-use ranges will establish the zone based on the loudest weapon used. The following list of distances to the hazard contours for common military weapons is conservative (m = meters):

- a. Hand Grenade: 150 m radius of detonation point.

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### 3.2 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.
- 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.
- c. Eye Protection. All personnel engaged in any live fire activity **WILL** wear individual approved eye protection.
- 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.

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### 3.3 Grenade Handling and Maintenance

- a. Live (M67) hand grenades come fully assembled and individually packed in a shipping canister.
- b. Practice (M69) hand grenades bodies come with a M228 practice fuse in flats of 45 practice fuses for assembling a practice M228 fuse to a M69 practice hand grenade body.
- c. Live (M67) hand grenades will NOT be stored on ammunition pouches.
- d. Live (M67) hand grenades should be kept clean and dry from dust and moisture. If dirty, the body may be wiped using a slightly damp cloth or a light bristle brush.
- e. Practice (M69) hand grenade bodies can be used repeatedly with the M228 practice fuse. The M69 practice grenade body must be cleaned with a wire brush and painted at least quarterly. The threads must be cleaned with a wire brush on a monthly basis, and fuse residue must be removed from the body immediately after each use. Cleaning the threads and removing the residue from the grenade body make replacement of the fuses easier, thus providing a longer life space if these preventive maintenance measure are performed.
- f. Proper gripping and throwing techniques, as well as proper throwing positions **MUST** be used and reinforced in order to achieve proficiency during the use of the practice hand grenade, so that live bay training is conducted safely.
- g. Cook-off or milking of live (M67) hand grenades is NOT authorized.

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### 3.4 Precautions, Duds and Dropped Hand Grenade Procedures

#### 3.4.1 Grenade Training Precautions

- a. Protective safety devices will NOT be removed until so instructed by the Pit NCO.
- b. Live (M67) hand grenades will NOT be unpacked in advance prior to their use.

- c. Once issued, live (M67) hand grenades MUST be held with the proper left or right handgrip and held at the chin-chest level when moving to the live bay.
- d. Never make unauthorized modifications to hand grenades.
- e. Treat any thrown grenade that fails to detonate as a "Dud", regardless of safety pin, safety clip or safety lever status.
- f. During all grenade training, the Pit NCO determines a dropped grenade's status (safe, live or dud):
  1. SAFE = A grenade with ALL safety device intact.
  2. LIVE = A thrown grenade from the instant it is released until the expected fuse time has elapsed.
  3. DUD = A thrown grenade that failed to detonate after the expected fuse time has elapsed.

### 3.4.2 Grenade Duds

**NEVER** handle, approach, recover or otherwise tamper with live hand grenade duds. Only explosive ordnance personnel (EOD) handle dud grenades. Duds must be regarded as dangerous. The following procedures MUST be followed if a grenade does not detonate:

- a. M69 Practice Grenade. Wait 5 (five) minutes before defusing the M69 practice grenade. Keep the bottom of the grenade oriented in a safe area. Place the dud fuse in a sand-filled container and return it to the ASP.
- b. M67 Fragmentation Grenade. The thrower and Pit NCO wait in the throwing pit for 5 minutes before returning to a covered area. Notify the Range OIC, whom in turn notifies Range Control and places the range in a "CEASE FIRE". Range Control notifies EOD. Do NOT throw any hand grenades into the area of the dud until it has been neutralized. If range control allows, range may continue HOT status on an adjacent grenade impact area if ONLY it is separated by a berm.

### 3.4.3 Dropped Grenade Procedures

If a causality producing grenade is dropped accidentally after the safety pin has been removed, the throwing Pit NCO is responsible for reacting accordingly. He is responsible for the safety of the thrower, and he decides what actions are most appropriate.

Range 1, Live Grenade throwing pits are constructed with a knee wall. Knee walls provide the quickest and safest means of reacting to a dropped grenade. The Pit NCO announces "GRENADE" to alert other personnel in the area, and then physically pushes the thrower over the knee wall, then falling on top of him. If a grenade is dropped over the knee wall, the Pit NCO announces "GRENADE" and forces the thrower to the ground inside the throwing pit. The Pit NCO's first responsibility is the thrower's safety, and his immediate action must be to remove the thrower and then himself from the danger area.

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## 3.5 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.

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### 3.6 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 Control. Range OIC/RSO personnel will be familiar with ARSMMs associated with specific training being conducted prior to conducting operation on the range.

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### 3.7 Unexploded Ordnance (UXO) Reporting

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 Control 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 control and initiate a dud report.

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### 3.8 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. Small arms ammunition (up to and including 7.62mm) may be placed in the amnesty barrel next to Building 1403. Other munitions and ammunition above 7.62mm will be retrieved only by EOD, ASP or Range Control 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

**IMPORTANT:** OICs and RSO of live hand grenade ranges must complete additional training from the Army Safety Center (<https://safety.army.mil>) prior to conducting hand grenade training. OICs and RSO must review the Army Safety Center's Confidence Clip Training and Familiarization Presentation and the Confidence Clip Video. The training is available on the Army Safety Center's website (<https://safety.army.mil>). Under the "On-duty Training" pull down menu, select "Weapons and Explosives" under Military Operations and Training. Next, select the link for "USACRC's Range and Weapons Safety Toolbox" near the bottom of the page. Under "Featured Information", select "Grenades/Pyro". Click on the links to the presentation and video. **A statement indicating the training was conducted must be included in the OIC/RSO Certification Memorandum.**

## 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 Control.	
3	Receive the mandatory Range Control briefing within ONE DAY prior to use.	
4	Ensure a qualified RSO is command safety certified and appointed, and briefed by Range Control. 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, and that the appropriate equipment and supplies will be available to support the range operation(s) and/or training activity.	
7	Check in at Range Control 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 Control representative to ensure 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.	
3	Directs and supervises that the required designated areas of the range are established and set up as required/planned.	
4	Establishes primary radio and secondary telephone communications with Range Control, and notifies Range Control 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 Control 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 personnel wear the required personal protection equipment.	
10	Ensures that ONLY authorized courses of fire are conducted.	
11	Ensure all applicable references and regulations are physically present and on hand:	
12	Notifies Range Control and requests permission to place the range in a HOT status (Refer to paragraph 7.1).	
13	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 control 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 Control when first round is fired down range (Refer to paragraph 7.2).	
6	Ensures that primary and secondary means of communication with Range Control 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 grenades 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 Control 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 Control 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	Notifies Range Control when a change in OIC/RSO is needed (refer to paragraph 7.7).	

12	Notifies Range Control when last round is fired down range (refer to paragraph 7.3).	
13	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 Control 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 prior to their departure from the range.	
4	Contact Range Control 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 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 control representative for clearance of range/training area, and secure the range facility.	
6	Return all hand-receipted range equipment, along with any applicable reports/forms to Range Control.	

### 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 Control.	
3	Receive the mandatory Range Control 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, USMA 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 personnel wear the required personal protection equipment, and that left handed firers have brass deflectors installed on their weapon.	
2c	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 grenades 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 grenades 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	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 ammunition.	
2	Ensure that ALL personnel are searched for ammunition and recoverable CL V components prior to their departure from the range.	



3	Report to the Range OIC upon completion of firing/training the following.	
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#### 4.4 Range Gate Guards

The Range OIC will ensure gate guards are posted and gates are locked as required 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 Control 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 Control personnel and vehicles full and un-restricted access to all ranges and training areas while performing their assigned duties.	

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## 5. Range Medical Requirements & Evacuation

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### 5.1 Unit Medical Support Requirements

Units will comply with the following range medical support requirements:

- a. 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.
- b. 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.

#### 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 Control 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 Control Frequency is Motorola Handheld "Livefire" Channel.
  - b. West Point Fire & Emergency Services Division – 845.938.5197.
  - c. Range Control Air Frequency is VHF 126.20.
  - d. KACH ER – 845.938.4004 / 5169.

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### 5.2 Keller Army Community Hospital (KACH)

Injuries and/or illness requiring immediate emergency support will be immediately reported to the KACH ER, with the location of the range site for patient evacuation by KACH.

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### 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 Control and report the medical injury/accident. Be prepared to provide at a minimum "the Five W's" (Who, What, When, Where and Why).

---

### 5.4 Emergency MEDEVAC Flight Requests

The USMA does NOT have an organic MEDEVAC capability to support the Training Complex operations; therefore 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 emergency first responder on site, DES dispatcher or KACH medical personnel are authorized to request or terminate a MEDEVAC mission.

To obtain a Stat Flight, contact Range Control by Motorola Handheld "Livefire" channel or by telephone at (845)938-3930. After Hours the Military Police Dispatch at (845)938-3333.

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

## 5.5 Hospital Strip Maps & Directions

### 5.5.1 Keller Army Community Hospital

Reference Tab 11A, Local Strip Map to Keller Army Community Hospital

### 5.5.2 St. Lukes Community Cornwall Campus Hospital, Cornwall, NY

Reference Tab 11B, Local Strip Map to Saint Lukes Community Hospital.

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## 6. Hand Grenade Range 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. This strategy outlines individual weapon training standards, and reflects tables showing the task and resources required.

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### 6.1 Hand Grenade Gripping Techniques

The importance of properly gripping the hand grenade must be understood, as a improperly held hand grenade is difficult to arm. Gripping procedures differ slightly for right- and left-handed throwers.

Holding the grenade in the throwing hand with the safety level placed between the first and second joints of the thumb provides the best safety and throwing efficiency.

- a. Right-handed throwers hold the grenade upright with the pull ring away from the palm of the throwing hand so that the pull ring can be easily removed by the index or middle finger of the free hand (non-throwing) hand.



Right-Hand Grip

- b. Left-handed throwers invert the grenade with the fingers and thumb of the throwing hand positioned in the same manner as described for by right-handed throwers.



Left-Hand Grip

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### 6.2 Hand Grenade Throwing Procedures

While accuracy is more important than how grenades are thrown, standard techniques should be employed while throwing hand grenade's that reflect the body basically facing sideways and always thrown overhand. The recommended procedure for throwing hand grenades is:

- a. Observe the target to mentally establish the distance between your throwing position and the target area. Minimize your exposure to notional enemy threats of no more than 3 seconds.
- b. Grip the hand grenade in your throwing hand.
- c. Grasp the pull ring with the index or middle finger of your non-throwing hand. Remove the safety pin with a pulling and twisting motion. Observe the safety pin's removal.

- d. Look at the target and throw the grenade using the overhand method so that the grenade arcs, landing on or near the target.
- e. Allow the motion of your throwing arm to continue naturally once you release the grenade. This follow through improves distance and accuracy and lessens the strain on your throwing arm.

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## 6.3 Standing Throwing Position

The standing position is the most desirable and natural position from which to throw grenades. It allows you to obtain the greatest throwing distance and is the best position that provides for evasion if needed from a grenade throwing pit with a rear knee wall. Assume a natural standing stance with your weight balanced equally on both feet. Hold the grenade shoulder high in the throwing hand, and hold the non-throwing hand at a 45-degree angle with the fingers and thumb extended, joined and pointing toward the intended target.

---

## 6.4 Hand Grenade Course of Fire

### 6.4.1 Distance and Accuracy Course Performance Standards

The distance and accuracy course is designed to develop the proficiency in gripping and throwing hand grenades.

**Task:** Engage a variety of target arrays at varying ranges while using a M69, Practice Hand Grenade.

**Condition:** Given the authorized number of M69 practice hand grenades with M228 practice fuses, individual personal protection equipment and a distance-accuracy hand grenade course.

**Standards:** On a standard 4 station distance accuracy hand grenade course, successfully engage targets at each station with practice hand grenades. A target is successfully engaged with the grenade detonates within 5-meters of the intended target.

A standard 4-station course layout may be combined if the terrain does not allow separate stations. Station targets should depict soldiers in the open at 20 meters, a fortified mortar position pit at 20 meters, a fighting position at 30 meters, and a trench target at 40 meters.

### 6.4.2 Hand Grenade Qualification Course

The purpose of the qualification course is to measure and evaluate the ability to engage a variety of targets with hand grenades using the proper gripping and throwing techniques and procedures.

The qualification course is conducted in two-man teams, yet evaluated individually. Each participant is issued ten practice hand grenades and must successfully engage seven targets. An evaluator at each of the seven stations determines the score by task and associated performance measures outlined on DA Fm 3517-R, Hand Grenade Qualification Scorecard.

STATION	TASK	CONDITION	STANDARD
1	Engage a group of F-type silhouette targets in the open from a two-man fighting position.	The targets are located 35 meters to the front of the fighting position, simulating enemy movement through and beyond the squad's protective wire.	No more than two grenades should be used on any target. Only one is used if the

2	Engage a bunker using available cover and concealment.	The bunker can have one or two firing portholes oriented toward the direction of the buddy team's movement and a rear exit.	first grenade is on target.
3	Engage a fortified enemy mortar position.	The fortified enemy mortar position must be located 20 meters away.	
4	Engage a group of enemy targets.	The group of enemy targets must be behind cover and located 20 meters away.	
5	Clear an entry point to a trench line.	The trench line must be located 25 meters away.	
6	Engage enemy troops in a halted, open-type wheeled vehicle.	The halted, open-type wheeled vehicle must be located 25 meters away.	
7	Identify hand grenades and pyrotechnic signals.	All grenades must present proper shape, color, and markings.	Must be able to identify grenades and pyrotechnic signals by shape, color, markings and capabilities.

### 6.4.3 Mock Bay Grenade Training

In mock bay training, grenade throwers practice throwing grenades before moving to live bay training. This mock bay training introduces the thrower to throwing commands and provides additional throwing practice. The Pit NCO must reinforce correct throwing and safety procedures.

---

NOTE: ALL PROCEDURES AND VOICE COMMANDS MUST BE PRACTICED IN MOCK BAY PRIOR TO MOVING TO LIVE BAY.

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Task: Engage targets in the open with hand grenades.

Condition: Given individual protection equipment, to include helmet, body armor w/SAPI plates, and two M69 hand grenades with M228 fuse, a mock bay pit that accurately replicates a live bay pit, and an orientation and safety briefing.

Standards: Safely carry, arm and throw two practice hand grenades from the mock bay pit while following the commands from the Pit NCO. Thrower must not move from the cover of the pit until the command "ALL CLEAR" is given.

---

NOTE: The standing position will be the ONLY position used during mock-bay hand grenade training.

---

### 6.4.4 Live-Bay Grenade Training

After successfully completing mock bay training, ONLY then can the thrower move to live bay training. After the grenade has been inspected, the Pit NCO takes charge and moves the thrower to the live bay throwing pit. Proper commands should be issued to the thrower from the occupation of the live bay pit to the point when the grenade detonates and the Pit NCO announces "ALL CLEAR".

Task: Engage targets in the open with hand grenades.

Condition: Given individual protection equipment, to include helmet, body armor w/SAPI plates, and two M67 fragmentation hand grenades, alive bay pit, an orientation and safety briefing.

Standards: Safely carry, arm and throw two M67 fragmentation hand grenades from the live bay pit while following the commands from the Pit NCO. Thrower must not move from the cover of the pit until the command "ALL CLEAR" is given.

---

NOTE: The standing position will be the ONLY position used during the live-bay hand grenade training.

---

## 6.5 M67, Live Grenade Inspection Procedures

The M67 hand grenade MUST be inspected before use.

- a. If in bulk, inspect the shipping container, if there is evidence of damage it should NOT be opened.
- b. Each grenade within the shipping container is housed in a sealed individual canister. Upon removing the individual canister and identify any of the following discrepancies:
  1. The canister has been damaged.
  2. The seal on the canister has been tampered with or is missing.
- c. Open the canister. Once canister is opened, but BEFORE removing the packing material, inspect the grenade and identify any of the following discrepancies:
  1. The hand grenade is upside down inside of the shipping container.
  2. The safety clip is NOT attached or is missing.
  3. The safety pin with pull ring is NOT properly attached or is missing.
- d. Then remove the packing material and the grenade from the canister. Inspect the grenade and identify any of the following discrepancies:
  1. Rust is on the body or the fuse.
  2. The grenade fuse is loosely fitted with the grenade body.
  3. Holes are visible in the body or the fuse.
  4. The safety lever is bent or broken.

---

NOTE: A safety clip can be removed and reattached to a hand grenade if the safety pin is still in place.

---

### CAUTION

Do NOT bend the ends of the pull ring safety pin back flush against the fuse body. This practice, intended to preclude the accidental pulling of the pin, makes the removal of the safety pin difficult. Repeated working of the safety pin in this manner causes the pin to break, creating a hazardous condition.

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## 7. Radio Procedures

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### 7.1 Requesting a Hot Status

RANGE: RANGE CONTROL, THIS IS RANGE 1, OVER

RANGE CONTROL: RANGE 1, THIS IS RANGE CONTROL. GO AHEAD, OVER.

RANGE: RANGE CONTROL, THIS IS RANGE 1. REQUEST A HOT TIME, OVER.

RANGE CONTROL: RANGE 1, THIS IS RANGE CONTROL, 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 CONTROL, THIS IS RANGE 1, YES, OVER.

RANGE CONTROL: RANGE 1, THIS IS RANGE CONTROL. I GIVE YOU A HOT TIME OF \_\_\_\_\_ HOURS. MY INITIALS ARE \_\_\_\_\_. CONFIRM HOT TIME AND SEND YOUR RANGE OIC INITIALS, OVER.

RANGE: RANGE CONTROL, THIS IS RANGE 1. I CONFIRM HOT TIME OF \_\_\_\_\_. RANGE OIC INITIALS ARE \_\_\_\_\_, OVER.

RANGE CONTROL: RANGE 1, THIS IS RANGE CONTROL. NOTIFY RANGE CONTROL WHEN FIRST ROUND IS FIRED DOWN RANGE. CONDUCT RADIO CHECKS WITH RANGE CONTROL HOURLY AT THE TOP OF THE HOUR, YOUR FIRST RADIO CHECK IS DUE AT \_\_\_\_\_. RANGE CONTROL OUT.

---

### 7.2 Reporting First Round Fired Down Range

RANGE: RANGE CONTROL, THIS IS RANGE 1, OVER.

RANGE CONTROL: RANGE 1, THIS IS RANGE CONTROL. GO AHEAD, OVER.

RANGE: RANGE CONTROL, THIS IS RANGE 1. FIRST ROUND FIRED DOWN RANGE, OVER.

RANGE CONTROL: RANGE 1, THIS IS RANGE CONTROL. I COPY FIRST ROUND FIRED DOWN RANGE AT \_\_\_\_\_, RANGE CONTROL OUT.

---

### 7.3 Reporting Last Round Fired Down Range

RANGE: RANGE CONTROL, THIS IS RANGE 1, OVER.

RANGE CONTROL: RANGE 1, THIS IS RANGE CONTROL. GO AHEAD, OVER.

RANGE: RANGE CONTROL, THIS IS RANGE 1. LAST ROUND FIRED DOWN RANGE, OVER.

RANGE CONTROL: RANGE 1, THIS IS RANGE CONTROL. I COPY LAST ROUND FIRED DOWN RANGE AT \_\_\_\_\_, RANGE CONTROL OUT.



---

## 7.4 Requesting a Cold Status

RANGE: RANGE CONTROL, THIS IS RANGE 1, OVER.

RANGE CONTROL: RANGE 1, THIS IS RANGE CONTROL. GO AHEAD, OVER.

RANGE: RANGE CONTROL, THIS IS RANGE 1. REQUEST A COLD TIME, OVER.

RANGE CONTROL: RANGE 1, THIS IS RANGE CONTROL. 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 CONTROL, THIS IS RANGE 1. I CONFIRM COLD TIME OF \_\_\_\_\_. RANGE OIC INITIALS ARE \_\_\_\_\_. \_\_\_\_\_ (#) ROUNDS OF \_\_\_\_\_ (DODAC) EXPENDED, WITH \_\_\_\_\_ (#) PERSONNEL TRAINED, OVER.

RANGE CONTROL: RANGE 1, THIS IS RANGE CONTROL, ROGER, OUT.

---

## 7.5 Requesting a Cease Fire Time

RANGE: RANGE CONTROL, THIS IS RANGE 1, OVER.

RANGE CONTROL: RANGE 1, THIS IS RANGE CONTROL. GO AHEAD, OVER.

RANGE: THIS IS RANGE 1, REQUEST A CEASE FIRE TIME, OVER.

RANGE CONTROL: RANGE 1, THIS IS RANGE CONTROL. 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 CONTROL, THIS IS RANGE 1. I CONFIRM CEASE FIRE TIME OF \_\_\_\_\_. MY RANGE OIC INITIALS ARE \_\_\_\_\_, OVER.

RANGE CONTROL: RANGE 1, THIS IS RANGE CONTROL, ROGER, OUT.

---

## 7.6 Requesting to Lift Cease Fire Time

RANGE: RANGE CONTROL, THIS IS RANGE 1, OVER.

RANGE CONTROL: RANGE 1, THIS IS RANGE CONTROL. GO AHEAD, OVER.

RANGE: RANGE CONTROL, THIS IS RANGE 1. REQUEST TO LIFE CEASE FIRE TIME AND RETURN TO A HOT STATUS, OVER.

RANGE CONTROL: RANGE 1, THIS IS RANGE CONTROL. 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 CONTROL, THIS IS RANGE 1. I CONFIRM RETURN TO HOT STATUS TIME OF \_\_\_\_\_. MY RANGE OIC INITIALS ARE \_\_\_\_\_, OVER.

RANGE CONTROL: RANGE 1, THIS IS RANGE CONTROL, ROGER, OUT.

## 7.7 Change of OIC / RSO.

RANGE: RANGE CONTROL, THIS IS RANGE 1, OVER.

RANGE CONTROL: RANGE 1, THIS IS RANGE CONTROL. GO AHEAD, OVER.

RANGE: RANGE CONTROL, THIS IS RANGE 1. REQUEST A CHANGE OF OIC (or RSO), OVER.

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

RANGE: RANGE CONTROL, THIS IS RANGE 1. NEW OIC / RSO LAST NAME IS \_\_\_\_\_, NEW OIC / RSO INITIALS ARE \_\_\_\_\_. MY INITIALS ARE \_\_\_\_\_, OVER.

RANGE CONTROL: RANGE 1, THIS IS RANGE CONTROL. ROGER, OUT.

---

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

RANGE: RANGE CONTROL, THIS IS RANGE 1. RADIO CHECK, OVER.

RANGE CONTROL: RANGE 1, THIS IS RANGE CONTROL, ROGER RADIO CHECK, 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.
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. 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.
19. No jumping off walls, inspect the firing position prior to entering for poisonous or harmful animals or insects.

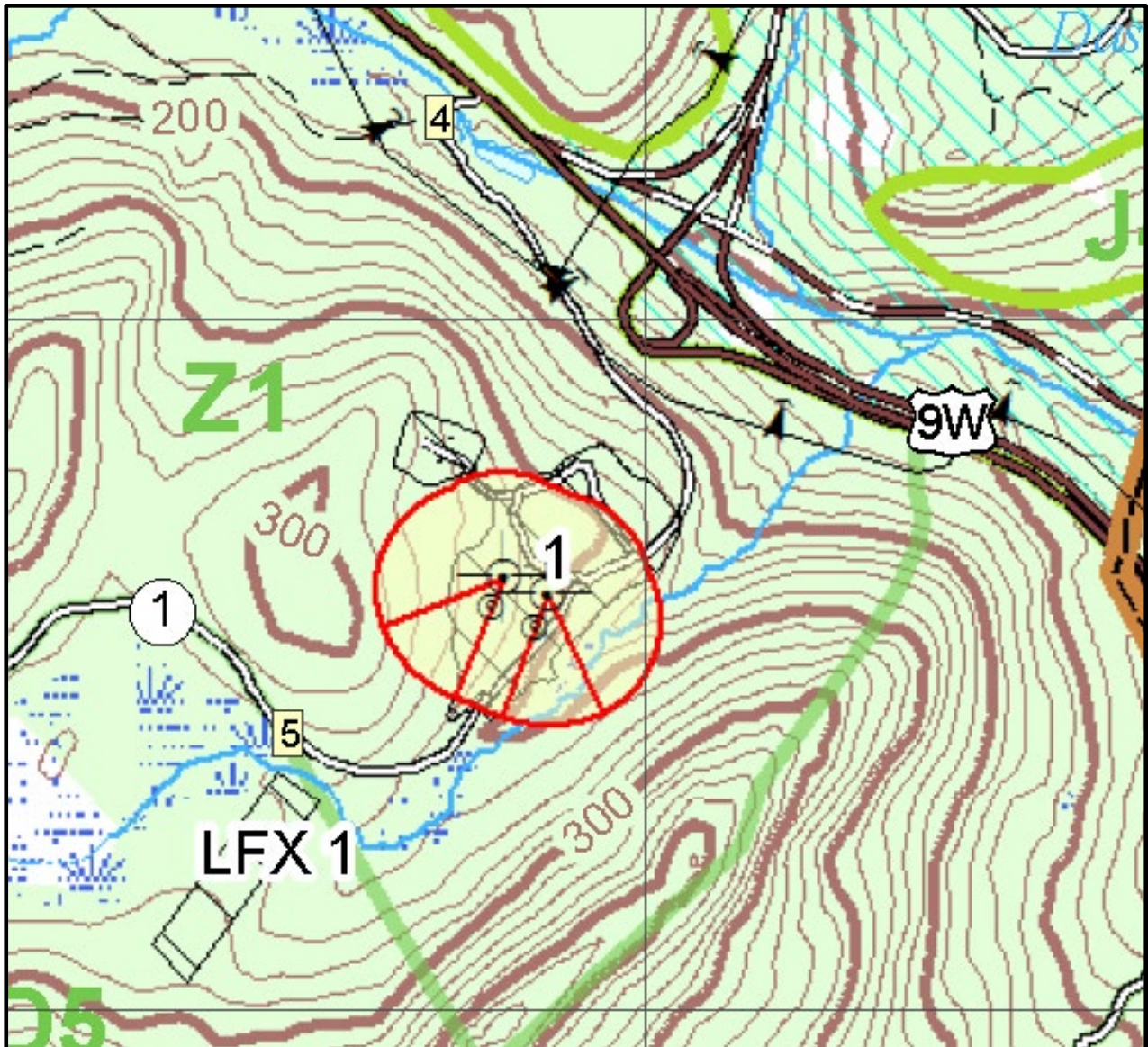
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## 9. Risk Management & Mitigation

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

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## 10. Range Safety Danger Zone (SDZ) Graphic



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## 11. Reference Information, Reports & Forms

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### INDEX

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<b>TAB</b>	<b>NAME</b>
11A	Local Strip Map to Keller Army Community Hospital
11B	Local Strip Map to Saint Lukes Cornwall Community Hospital
11C	OPEN

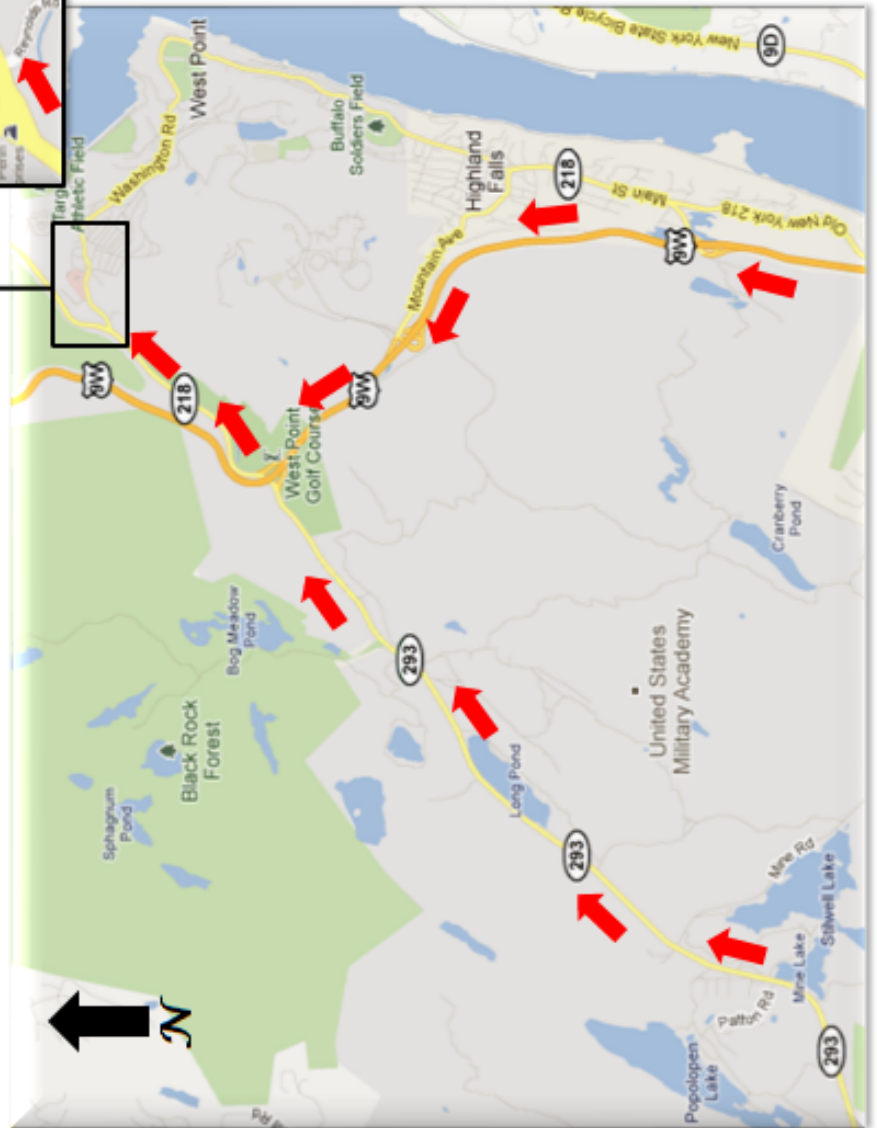
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**DIRECTIONS**

- North on Route 293 or 9W.
- Exit onto Route 218 N (approx. 1.2 miles to Washington Road Gate).
- Enter Installation via Washington Road Gate.
- Keller Army Community Hospital is on the left (approx. 3/10 miles from Washington Road gate).

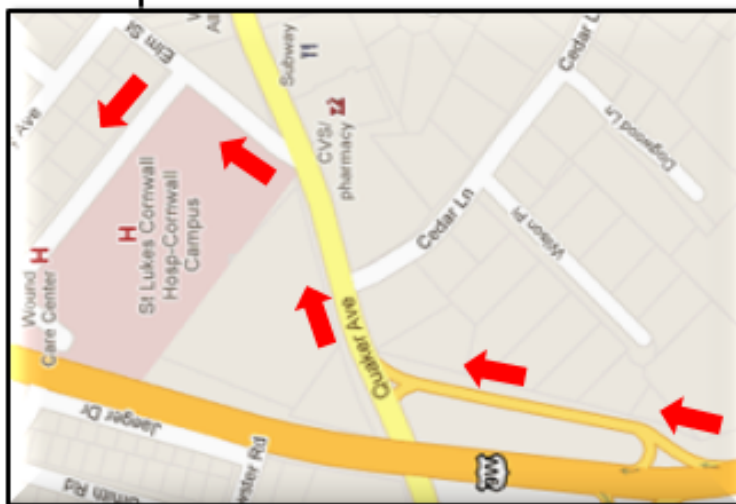
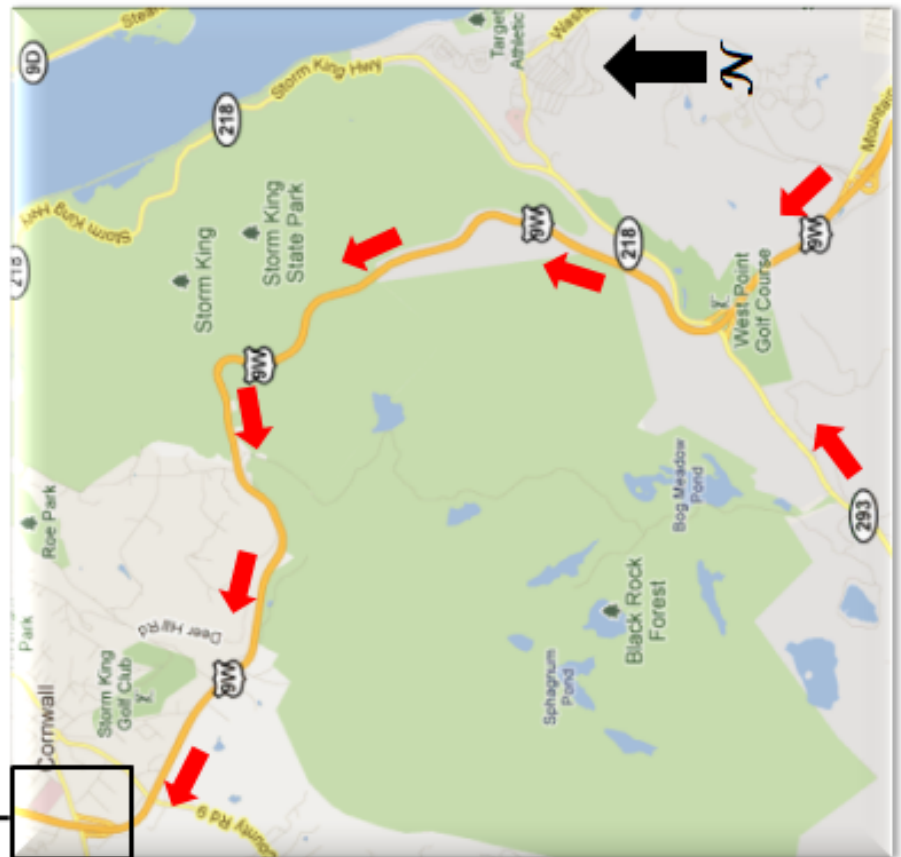
**LOCAL STRIP MAP TO  
KELLER ARMY COMMUNITY HOSPITAL  
Phone #: (845) 938-4004**



Tab 11A Strip Map – Keller Army Community Hospital



**LOCAL STRIP MAP TO  
ST. LUKES WOUND CARE CENTER  
&  
ST. LUKES CORNWALL HOSPITAL  
Phone #: (845) 458-4512**



**DIRECTIONS**

- North on Route 293 or 9W.
- Continue North on 9W to Cornwall.
- Exit 9W onto Quaker Ave exit.
- Turn left onto Elm Street.

Tab 11B – Strip Map to St. Lukes Cornwall Hospital