

FIRING/NONFIRING DATA

For use of this form see USAIC Regulation 350-19; the proponent agency is DPTMS

TO: Chief,
Range Division,
Directorate of Plans, Training, Mobilization and Security
Fort Benning, GA 31905

Date: FEBRUARY 11, 2013 Log #1-25-13
Range: MALONE 01
Title: HAND GRENADE TRAINING
Problem No:

THRU: S-3, 2-29th IN.
Fort Benning, GA. 31905

FROM: A. CO, 2-29th IN.
Fort Benning, GA. 31905

SECTION I, TYPE OF TRAINING

a. Live Fire b. Non-live Fire CP/Controller Coordinates: GA 0116 8931

SECTION II, DEMOLITIONS/GRENADES/MINES/PYROTECHNICS

Coordinates	Type	Model/DODAC	Size of Charges
Mock Bay Area Demonstration GA 0100 8924 Bleacher GA 0150 8924	Grenade Incendiary TH3, M14, Inert grenade smoke M83,M18 (R,Y,V,G)	G900, G901,G982,G940,G950, G945,G955, G959	
Distance & Accuracy GA 0900 8915 to GA0100 8931	Grenade Practice M69 Grenade Fuse Practice	G918, G878	
Bunker Training/6 Station Upper GA0116 8917/ Lower GA 0132 8933	Grenade Practice M69 Grenade Fuse Practice	G918, G878	

SECTION III, WEAPONS/AMMUNITION REQUESTED

Coordinates of Weapons Position	Type Weapon/Model Number	Type Ammunition	Left Limit	Right Limit
Bunker Training/6 Station Training Upper/Lower Course	M16A4, M4	A080 5.56mm Blank (upon using Unit Request)	N/A	N/A
Live Fire Exercise (6 Bays, 1 Pit Per Bay) GA 0106 8966-0113 8958	Grenade Fragmentation M67	Grenade Fragmentation M67 G811	05 Deg	95 Deg

SECTION IV, LIVE FIRE EXERCISES Attach the following:

- Scenario of training to be conducted:
- Sketch of area:
- Risk Assessment:
- Attach FB Form 350-19-2-E-R if Mortar or artillery is being fired:

SECTION V, NON-LIVE FIRE TRAINING

- Training area(s) to be occupied:
- Scenario of training to be conducted:
 - Sketch of area(s) to be occupied:
 - Risk Assessment:

Name/rank of requesting officer:
MORSE, CHRISTOPHER M. SSG



Name/rank of Major Unit S3/Commander:
WILCOX, DANIEL S. S-3



SECTION VI, FOR RANGE DIVISION USE

DATE: **12 FEB 13**

TO: S-3, 2-29th IN.
Fort Benning, GA. 31905

FROM: Range Division,
Directorate of Plans, Training,
Mobilization and Security
Fort Benning, GA 31905

- a. Roadblocks to be closed:
- b. Road(s) to be closed/road barrier locations:
- c. Remarks:
- d. This approval expires: **11 FEB 15**

SEE SCENARIO, PARAGRAPH 3-Q

Packet Requires Waiver to Execute! BST

Chief, Range Division
Directorate of Plans, Training, Mobilization and Security





DEPARTMENT OF THE ARMY
A COMPANY, 2ND BATTALION 29TH INFANTRY REGIMENT
197TH INFANTRY BRIGADE
BUILDING 85, 6850 BARRON AVENUE
FORT BENNING, GEORGIA 31905

REPLY TO
ATTENTION OF

ATSH-INB-A

7 February 2013

MEMORANDUM FOR RECORD

SUBJECT: Malone One Range Scenario

1. Main Body

- A. Range is opened thru range control via radio communication.
- B. Using unit detail arrives prior to main body.
- C. Detail conducts range setup in preparation for the arrival of the main body.
- D. Main body arrives and organizes in staging area; trainees are inventoried and bee sting, hot/cold weather injuries are identified.
- E. Trainees are moved to the Mock Bay bleachers.
- F. Trainees are given a Range Orientation/Safety Brief.
- G. Trainees are given a demonstration on the different types of grenades, including Smoke and Incendiary. The grenades are initiated by Range Cadre only. Once the Cadre has initiated the smoke grenades, the Trainees are instructed to stand up and face the rear of the bleachers. The Trainees are instructed to not turn around to look at the Incendiary grenade. There is a pre-positioned Cadre member approximately 75 meters behind the Trainees. That Cadre member yells "Burning" and then initiates the Incendiary grenade. Once it has completely burned out, the Trainees file by platoon to view the capability of the grenade on their way to receive Pre Live Ordinance Training at the Mock Bay area. (See sketches Phase one and two).

2. Pre Live Ordinance Training

- A. All Trainees receive hands on training on the proper left/right hand grip, safe handling techniques, and how to properly store the hand grenades.
- B. All Trainees are taught "Distance and Accuracy" prior to Mock Bay training.
- C. All trainees are taught "Mock Bay" prior to throwing live Grenades.
- D. Trainees must pass both Distance and Accuracy and Mock Bay training before moving on to Live Ordinance Training. (See sketch Phase three).

3. Live Ordinance Training

- A. Trainees will be given a period of instruction at the "Live Bay" on what is expected of them by the Ground Safety.
- B. Sequence of events.
 - 1) Trainee exits the Viewing/Ready Room and is issued two live hand grenades. (Grenades are held visible as Trainees proceed to their throwing pit).
 - 2) The Pit NCO Safety assumes control of the Trainee.

- 3) Utilizing the “Fist Over” hold. Once the Trainee enters the pit they hand the non throwing grenade to the “Pit NCO”. The “Pit NCO” secures the non throwing grenade on his hand grenade Pouch. If the first grenade is a dud, the “Pit NCO” will follow dud procedures.
 - C. The tower will direct all activities on the firing line. After Trainees exit the live bay they go back to viewing/ready room. The RSO and drill sergeants get accountability of each Trainee after every firing order. After half of the unit has thrown, the Tower will cease fire and allow them to return to the upper or lower course to conduct Post Live Ordinance Training. After the unit has made their way to the upper/lower course, Live Bay will continue training. (See sketch Phase 4).
4. **Post Live Ordinance Training**
- A. When directed, the Trainees will return to the upper training course for the bunker class.
 - B. Trainees will then negotiate the Qualification Course (Upper Course), which is run by their Drill Sergeants (M16s will be utilized during this Buddy Team event) No ammo will be issued for the M16’s during this portion of training.
 - C. All troops, weapons, equipment, ammunition and dunnage will be accounted for.
 - D. Trainees receive a brass and ammo check by their chain of command. (See sketch Phase 5).
5. **Ammunition**
- A. Live ammunition is stored and guarded at the Live Bay area and is segregated by lot number.
 - B. Practice ammo with fuses are stored in the Practice Ammo Point. (Ref. sketch, bldg #2)
 - C. Only Cadre will control the ammo point.
6. **Safety**
- A. All training will follow the sequence above. All movement will be controlled based on unit size and training pace. Access to training areas will be dictated by ability to command and control as well as Safety concerns. Trainees will meet all prerequisites prior to Live Bay Training.
 - B. Field Litter Ambulance (FLA) with medic will be on-site at all times.
 - C. For all injuries resulting in threats to life, limb, or eyesight, on-sight FLAs are the first responders. Range Control and E 911 will be notified accordingly.
 - D. Range Control, Home and Using units will be notified of any serious safety violation, incident, or injuries.
 - E. Check OSUT/BCTB unit for:
 - 1: Range Request
 - 2: Ice sheets
 - 3: Wet bulb
 - 4: Hearing protection
 - 5: Unit Commander’s Risk Assessment.
 - F. Ensure that using unit enforces the No Upper Body PT rule until live fire is complete.

- G. All personnel, to include using unit cadre and trainees, will receive a safety briefing prior to any training taking place.
- H. All personnel will wear Kevlar helmet, Body Armor vest and hearing protection.
- I. All Trainees will receive instruction on proper Grenade/Fusing techniques as well as proper usage while at Malone 1. Trainees will be closely monitored while fusing the training grenades. (Black glove shells will be use during fusing process and expended shell recovery).
- J. All Trainees must complete Distance & Accuracy and Mock Bay training in order to throw live.
- K. All Mock Bay failures will not be allowed to throw live. All failures will be determined by the Range NCOIC and the Range Safety Officer.
- L. All Pit NCOs are certified by the company commander and are competent in the "DROP PROCEDURES" and FAILURE TO THROW PROCEDURES. (See SOP for details).
- M. All Commanders and personnel that are part of the Trainees chain of command that want to go into the pits to observe Trainees throwing live hand grenades will be in the same uniform as the Trainees and will use the far left or right sub pits of any bay, and prior to going to the pits must acknowledge that they understand the "Drop Procedures".
Example: Bay #1, pit #1 will have the observer on the left side (sub pit) and pit #2 will have the observer on the right side (sub pit) of the Trainee throwing the live grenade. This also applies to bay #2 and bay #3. All observers will proceed with the safety and Trainee to the appropriate bay/pits and will not depart until all live grenade training is complete for all bays.
- N. Any Bay (consisting of two pits) adjacent to a DUD grenade that is not separated by a berm will not be utilized until the DUD grenade has been cleared by EOD. If, the dud grenade is in bay #2 (either pit), then all live grenade training will cease. The rule applies to bay #2 only. Live grenade training is allowed in bays #2 and #3 if a dud grenade is in bay #1 and allowed in bays #1 and #2 if a dud grenade is in bay #3.
- O. All Risk Management Worksheet controls will be observed. Violations of any will be brought to the attention of the NCOIC, RSO, Range Cadre and DS cadre.
- P. All fire extinguishers will be operational and in place.
- Q. Prior to the Live Fire portion a Guard will be posted at grid (01142 89390), to control personnel from entering the Live Fire area of the grenade range.
- R. Dud Procedures:
 - 1. Activities in that bay will cease.
 - 2. All throwers and cadre in that bay will wait in their throwing pit for 5 minutes before exiting to shelter in a covered position.
 - 3. Range Control and EOD will be notified immediately.
 - 4. Adjacent Bays may continue training as long as there is a berm separation from the dud unless the DUD grenade is BAY #2. See paragraph 3-N above.
 - 5. Once EOD arrives all bays will cease activities until the dud has been neutralized.
- S. Live grenades will not be thrown into standing water, deep snow, or dense vegetation.

ATSH-INB-A

SUBJECT: Malone One Range Scenario

7. The point of contact for this memorandum is SFC Smith, the Range NCOIC of Malone 1, at 706-545-9332.



CARLO A. CAPPELLA
CPT, IN
Commanding



DEPARTMENT OF THE ARMY
A COMPANY, 2ND BATTALION 29TH INFANTRY REGIMENT
197TH INFANTRY BRIGADE
BUILDING 85, 6850 BARRON AVENUE
FORT BENNING, GEORGIA 31905

ATSH-INB-A

7 February 2013

MEMORANDUM FOR: MALONE ONE CADRE

SUBJECT: Standard operation procedures for Malone One

References: FM 23-30/ FM 3-23.30
Training Support Package (TSP)
Range Control

1. Cadre Briefing
2. Sequence of Training
3. Early Cadre (Ammo NCO/Second Ammo/ NCOIC/RSO)
4. Range NCOIC Duties
5. Range Safety Officer (RSO)
6. Live Bay NCO/Ammo NCO/Second Ammo
7. Ground Safety Officer Duties
8. Safety Briefing for Live Bay
9. Pit NCOs for Live Bay
10. Tower NCO
11. Pit Detonation Procedures
12. Failure to Throw Procedures
13. DUD Procedures
14. Distance and Accuracy
15. Mock Bay Failures
16. Unit Training Waiver
17. Standards for Mock Bay
18. Ammo Discrepancy Procedures

A handwritten signature in black ink, appearing to read "C. Cappella".

CARLO A. CAPPELLA
CPT, IN
Commanding

1. CADRE BRIEFING

- A. There will be no **horseplay** while on Malone 1.
- B. Insect bites of a serious nature and snake bites must be reported to the range OIC prior to the unit departing Malone 1. All trainees must be appropriately marked.
- C. There is no smoking in or around the **latrines** or the range shack. No **cursing** or **abusing** Soldiers.
- D. Anyone who feels his or her buddy is coming down with hot or cold weather injury will report it to a Drill Sergeant or one of the Range Cadre immediately.
- E. Ensure that a thorough **brass and ammo shakedown** is conducted prior to departing the range.
- F. Ensure that each Soldier begins training with 2 full canteens of water, a full Camelback, or both, and continues to drink water throughout the day.
- G. Each Soldier must have **hearing/ eye protection and ACH** prior to moving down to live bay.
- H. Each soldier must carry issued leather gloves in a cargo pocket and wear them when handling or re-fusing expended M69 practice grenades.**
- I. **Medics** will be on site until the last trainee departs the range. The FLA will be positioned near the guard shack during the safety brief and right/left hand grip training. They will move the FLA to behind the bleachers for distance and accuracy training and mock bay. The FLA will be parked at the guard shack leading to live bay, and one medic will be located in the tower with the NCOIC during live bay. If the FLA and medics depart the range for any reason, all operations on Malone 1 will cease until they return. Medics will be allowed to do their job without any interference.
- J. Range NCOIC and Medics will conduct /control ground MEDEVAC; the using unit will provide assistance if required. This will consist of, but is not limited to, ground guides for the ambulance, road guards, and any other support required by the NCOIC.
- K. One of the top three (Company Commander, 1SG, or XO) will be required to be on Malone 1 from the start of training through DNA, Mock Bay, and live bay operations, SFC acting as 1SG is not authorized unless on orders and they are provided.**
- L. Storm plan:
- I. Anyone seeing the flash of lightning will yell 'lightning'. All personnel will echo that command.
 - II. All Soldiers will ground their equipment in the equipment grounding area and move to the bleachers if on the upper part of the range.

III. If at live bay, all Soldiers will move to the lightning safety area. They will disperse with at least 5 meters between Soldiers until the "all clear" is given by the Range NCOIC, RSO, or using unit commander. The "ALL CLEAR" will be given after 30 minutes with no addition lighting strikes.

IV. Once the "all clear" is given, the Soldiers will retrieve their equipment and return to training.

V. If the unit is split between live bay and the upper part of the range, the NCOIC will take charge of his current location, and the senior man present will take charge of the other section.

M. Unit will maintain continuous contact with Range Control at all times. If communications are lost the unit will go into a self induced check fire until communications are restored.

N. The range cadre will account for every Soldier by roster number when the unit arrives on the range.

O. Soldiers arriving late on Malone 1 will not throw live grenades. According to the TSP and the RMWS, all Soldiers must successfully complete Distance and Accuracy training and receive a go on Mock Bay training prior to live bay training. The cadre will report to the Range NCOIC before the Soldier is placed into training. The range NCOIC will determine if the Soldier has missed too much training to be safely inserted into the program.

P. **Three drill sergeants are required to help run live bay.** The locations are: One at the right end of the over head cover, one at the left end of the over head cover, and one in the middle to help direct traffic. Drill Sergeants at live bay are authorized to wear soft cap with ACUs as long as they stay under the overhead cover, unless their unit requires them to wear ACH and IOTV. **One of the Top three will be in the tower with the OIC/NCOIC during live bay operations.**

Q. A Drill Sergeant or two Soldiers are required to stand at the guard shack to deny access to live bay. **THEY WILL NOT ALLOW ANYONE DOWN RANGE WHILE LIVE BAY OPERATIONS ARE GOING ON.** If anyone needs access, the guard will call the Range Safety Officer (RSO). The range will cease fire to allow access.

R. All available drill sergeants are needed to run the **qualification course (see coordination sheet: general concept/ flow of training)** Malone 1 range cadre will run station 7 (ID hand grenades). The Soldiers will gather in large groups at stations; do not allow them to clutter.

S. Malone 1 has designated parking for range cadre, using unit cadre, VIPs, and Medics. These locations are marked "Cadre Parking", "DS Parking", "VIP" and "Medics". All military vehicles will be parked in the designated spot. The range cadre lot is for range cadre and 2-29 personnel only.

T. Because Malone 1 is a high risk range, the using units are required to inform us of any **suicidal/homicidal** Soldiers present on the range. If there are, the units are required to keep them separate from all other Soldiers, and especially the ammo.

U. Brief unit on the **general plan for training**.

V. One drill sergeant per platoon is required to observe training for control purposes.

W. No upper body PT before live bay.

X. Do not harass Soldiers at live bay, such as asking them if they are nervous, if they know what the grenade does to them if it goes off, etc. Do not make them any more nervous than they already are.

Y. The training unit must provide six Soldiers for ammunition the detail at live bay. These six Soldiers will be taken right from the first six that finish mock bay.

AA. Medics on site are the final approving authority for all treatment and MEDEVAC. All treatment and MEDVAC will be reported to NCOIC.

BB. The training unit will inform Range NCOIC of all trainees leaving and arriving on the range. **Under NO CIRCUMSTANCES will the training unit attempt to insert late trainees in with the rest of the trainees without checking with the Range NCOIC.**

CC. Soldiers are not allowed to take trash into the latrine to avoid MRE trash, Gatorade bottles and other trash from being thrown into the commodes.

Partial Detonations

1. If, for any reason, there is a "Partial Detonation" in Live Bay i.e., Pit NCO witnesses by sight or sound a detonation of any type prior to the spoon detaching, he will immediately take the Soldier to the ground and cover him preventing any type of injury that may result from the grenade. The pit NCO will signal a cease fire to the Tower. Once the Tower NCO acknowledges the cease fire signal he will call it over the intercom to ensure all pits comply. The range NCOIC will clear the range and place everyone under cover. The range NCOIC will then notify Range Control and the Quality Assurance Specialist Ammunition Surveillance (QASAS) of the partial detonation.

2. The range NCOIC will notify the Using Unit of the situation and advise them that training will not resume until the LOT number of ammo has been replaced. The Using Unit will be advised they can reschedule training if they choose to.

3. A partial detonation has been identified as a danger to the Soldiers operating inside the pits at Live Bay, both Pit NCO as well as the Soldier training. The fuse has two primers that ignite prior to the detonator being activated. A partial detonation is when either the first or second primer ignites but does not ignite the detonator, resulting in a situation which could cause injury or death due to a mechanical and undetectable failure.

2. SEQUENCE OF TRAINING

<u>TIME</u>		<u>ACTIVITY</u>	
SUMMER	WINTER		
0600	0600	EARLY MEN ARRIVE	
0630	0700	DETAIL ARRIVES	
0730	0830	COMPANY ARRIVES/GROUND EQUIPMENT/ ACCOUNTABILITY OF TROOPS/ MOVE UNIT TO MOCK BAY BLEACHERS	
0800	0900	MOCK BAY BLEACHERS: SAFETY BRIEFING AND DEMONSTRATION OF M-18 COLOR SMOKE, M-83 WHITE SMOKE, M7A3 CS RIOT CONTROL, M-14 INCENDIARY AND M69 PRACTICE HAND GRENADE	
0830	0930	DISTANCE/ ACCURACY	ALL
0900	1000	MOCK BAY (*)	ALL
1100	1200	LIVE BAY	ALL
1230	1300	LUNCH	ALL
1300	1400	START HAND GRENADE QUALIFICATION COURSE	
COMPLETION		POLICE RANGE/ RELEASE UNIT/ AMMO TURN-IN / SECURE RANGE/ RELEASE RANGE CADRE	

3. EARLY CADRE (AMMO NCO/NCOIC/RSO)

**THE AMMO NCO AND NCOIC MUST BE PRESENT TO COUNT AND SIGN FOR ALL
AMMO**

**Any ammo shortages observed in factory sealed boxes upon drop-off or during any point of
training will be reported immediately to the NCOIC and RSO**

A. Ensure you have the keys to the gate. There are 3 set of keys (NCOIC/2xSQD LDR)

- B. Fill out the training report form in 2 copies, and complete at the end of the day. Ensure NCOIC fills out his comments.
- C. Prepare percentage sheet in 2 copies.
- D. Open latrine and check for graffiti on stall walls.
- E. Sign for the smoke grenades from wagon #2. Ensure to get the consumption report for the G881 and G900.
- F. Sign for the G878 practice fuses from wagon #1, count to confirm the number of fuses dropped before signing the document.
- G. You should receive a 10-12 man detail from the unit NLT 0800 hrs.
- H. Send Amp, microphone, wheelbarrows, shovels, and rakes to live bay.
- I. Break down the equipment for 4 platoons and have Duty Drill sign for:
 - a. 50 grenades per can.
 - b. 2 sand bags per can.
 - c. 3 flats of fuses per can.
 - d. 1 grenade ID mock-up for the RSO for sandpit briefing.
 - e. Place 60 scorecards per platoon and a grease pencil on each platoon board.
 - f. Sand bags 3 per ammo can and 3 for live bay.
- *Ensure that the equipment is placed by the detail in the correct location. Take 4 cans with 57 fused practice grenades in each and 1 crate with grenade model and smoke grenades to the sandpit. Ensure the NCOIC's name board is outside and retrieved at the end of the day.
- J. Place fire extinguishers at the ammo point.
- K. Ensure the practice ammo is secured at all times.
- L. Ensure water jugs are placed by the road and retrieved when filled.
- M. Make sure the using unit takes their trash.
- N. Ensure latrines are cleaned and locked at the end of the day.
- O. Count grenades as trainees come off of the qualification course.
- P. Ensure trails, bleacher area, troop area, and around ammo shed are raked and policed.
- Q. Ensure shed is cleaned and equipment is properly placed.

- R. Inventory all range equipment in unit cadre area and verify with NCOIC.
- S. Second Ammo will assist Ammo NCO in all duties.

4. RANGE NCOIC DUTIES

- A. The NCOIC will count the number of M67 Fragmentation grenades with the live ammo NCO before he starts to break down the ammo for training. The grenade count will include **breaking open sealed boxes** to completely verify the count before signing for them.
- B. Secure Request Summary (466) from the Company and make sure Company daily Risk Assessment is complete.
- C. Ensure Medics are on the ground.
- D. The NCOIC will maintain communication with Range Control at all times.
- E. The NCOIC will notify range control, BN HQ, and the Company of any serious incidents that happen on the range, and complete required reports as needed.

5. RANGE SAFETY OFFICER (RSO)

- A. All range safety officers (RSO) on Malone 1 will have their range safety card on their person at all times while performing duties as RSO. If not performing these duties, range safety cards will be placed on the desk.
- B. The RSO will ensure all Soldiers on the range receive range safety and orientation brief.**
- C. The RSO ensures that the fire extinguishers are present at the practice and live bay ammo points
- D. The RSO checks and updates the daily risk assessment as conditions change, or twice daily at a minimum.
- E. The RSO ensures that ice sheets are restocked and set up by the range and the training unit daily from the months 01 April – 01 October.
- F. The RSO continually walks around the training areas, (i.e.) all D&A pits, Mock bay, Bunker areas. **HE WILL NOT STAY IN THE RANGE SHACK!!!**
- G. The RSO confirms the number of Soldiers in the Company that have passed MOCK BAY and will throw grenades at LIVE BAY. This number will be confirmed with the RANGE NCOIC and the unit's "TOP 3". It will be written down in the training report form.
- H. The RSO checks the count of live grenades and grenades expended after live bay operations.

- I. The RSO ensures all Soldiers have ear plugs in and eye protection on before moving out to their throwing pits.
- J. The RSO ensures that all Soldiers, including Drill Sergeants, are under overhead cover at all times during live bay training.
- K. The RSO ensures that communication with the gate is maintained and the drill sergeant at the gate closes the gate before Live Bay throwing begins.
- L. The RSO ensures that the Range flag is up.
- M. The RSO ensures each Soldier has their ACH helmet on and has his flak vest or IOTV on before the ammo NCO issues the Soldiers his 2 live grenades.
- N. The RSO and range control are informed by the NCOIC of any Low Orders/ Dud grenades. RSO stops training until EOD is mission complete.
- O. The RSO ensures the throwing lanes have been checked by the pit NCOs after live bay operations are complete and before the detail is allowed to move down range to pick-up the safety levers and pull rings.
- P. The RSO will not allow any Soldier, Drill Sergeant or Cadre member to use the tree line during live bay operations.
- Q. The RSO notifies the tower NCOIC if the gate guard calls to say there is a VIP or EOD at the gate and they want to enter the live bay area.
- R. The RSO and NCOIC have the final say on all safety requirements.
- S. The RSO will have no other duties other than RSO duties.
- T. The RSO walks the qualification course during its operation. He ensures the detail personnel are wearing their goggles and ACHs, and are performing their duties in a safe manner.
- U. The RSO stays on the range until all ammo has been picked up and all Soldiers and drill sergeants have departed the range.
- V. If it is raining, check pits and bays. Notify NCOIC of conditions.
- W. RSO will ensure that all practice grenades thrown during D&A and Mock Bay is observed for detonation. Any dud practice fuses will be reported to the RSO and secured by Malone One cadre.
- X. The cadre ensures all single Dud practice fuses and M69 Practice Grenade body with dud fuses are taken to the practice ammo point and placed in the designated can filled with sand.

Y. The RSO will designate three Drill Sergeants from the training unit to act as the GSO for LIVE BAY.

6. LIVEBAY NCO/AMMO NCO

- A. **Break open all factory sealed boxes** and verify the grenade count and lot number with the NCOIC before signing for the grenades. Keep the broken seals with the corresponding boxes.
- B. Check platoon boards to confirm number of Soldiers training and throwing, confirm count with NCOIC.
- C. Set up amplifier in tower, and test the system. If there is a problem notify the NCOIC immediately.
- D. Ensure all necessary equipment i.e. band cutters, fire extinguishers, wheelbarrows rakes and shovels are present.
- E. Confirm ammo count with the RSO/NCOIC before opening any crates of ammo.
- F. Always open the small lot of ammo first.
- G. Only open what you need for each Soldier to throw 1 or 2 live grenades, depending on which training Brigade is scheduled.
- H. Keep an accurate count of all grenades thrown and remaining.
- I. Check throwing pits and bays before the unit gets to live bay. If it is raining, ensure that there is not too much water in the pits. If the pit is less than ankle deep, training will continue. If the pits are filled with water or above the ankle, notify the NCOIC or RSO.
- J. When breaking down ammo, trainees **will not** handle grenades. They may cut bands on crates and take tape off the tops of fiber containers. The Ammo NCO will keep undivided attention on the trainee ammo detail, and will ensure that there are no discrepancies (such as upside-down grenade or missing grenades from canisters) with the lot. If there is a discrepancy, freeze movement in your area and immediately call the NCOIC who will freeze movement on the rest of the range.
- K. Ensure that all fire extinguishers are 10 pound BC, and are present and placed at the ammo point.
- L. **Soldiers throwing 2 grenades will throw first. Weak throwers are identified with white tape marking. All white tapers will throw last and will be separated from the rest of the throwers. White tapers are considered High Risk; therefore, they will be issued their two hand grenades and the Pit NCO will monitor their performance using extra caution.**
- M. No weapons will be carried into the pit.

- N. Soldiers will carry the grenades in their hands close to their chest at all times (so that the pit NCO is able to observe the grenade at all times).
- O. No Live grenades will be carried in the Soldier's ammo pouches/LBV.
FACT: Soldiers carrying grenades in ammo pouches were being lost and falling out as they made their way to the Live-pit. Pit NCOs were not able to observe grenades carried by the Soldiers. Pit NCOs need to maintain eye contact with the grenades at all times.
- P. Maintain 100% accountability of hand grenade containers.
- Q. Once half of the company has thrown, training will cease if needed (due to heat). Soldiers that have thrown will be moved back to AA. This gives all Pit NCOs a rest in place. The rest in place could last 5-10 minutes (see Composite Risk Management Worksheet).
- 1) During summer months, the RSO has the authority to split companies for live bay operations. The intent is to mitigate heat-related injuries from packing so many trainees in a confined space. All Soldiers will be present for the live bay briefing. Once the briefing is completed, the RSO will designate a range cadre or drill sergeant to escort all Soldiers back to their assembly area until called forward. The NCO escort must ensure that no additional soldiers mix in their formation such as sick-calls or others that have been designated as no-go. **Only Soldiers that participated in that morning's Distance and Accuracy and Mock Bay classes will throw live hand grenades.**
- R. RSO and Ammo NCO will count the number of grenades that were thrown. Tower OIC will compare that number with the expended ammo sheet.
- S. Conduct police call of area to remove old trash that may interfere with future expenditure counts (to include old canisters, tape, crate seals, foam, etc).
- T. DS will conduct shake down of the Soldiers before they move back to the training course.
- U. Once all grenades have been accounted for, training will continue. Once **all** Soldiers have thrown, RSO and Ammo NCO conduct another accountability of grenades and compare with expended ammo sheet.
- V. Ensure the pit NCOs or the RSO have checked down range before allowing the detail to move down range. Soldiers will then conduct police call of range. Cadre will account for all safety levers, pull rings, canisters, and ensure all the holes down range are filled in (if range control is no longer dragging the pits) No holes will be filled in until all the pull rings and safety levers are accounted for.
- W. DS will conduct inspection of the Soldiers once police call has been conducted. This will take place before Soldiers return to the assembly area.

- X. Ensure that the amplifier is brought to the range shack and that nothing is placed on the amp, and do not allow the detail to transport it by wheelbarrow.
- Y. Ensure that a copy of ammo report is turned in and placed in the working folder in the range shack.
- Z. Turn in the live bay keys to the key control NCO.
- AA. Live bay NCO will post guards, minimum of 2 Soldiers or 1 drill sergeant, on ammo at live bay.

7. GROUND SAFETY OFFICER DUTIES

- A. The GSO is responsible for the safety of all Soldiers that are under the overhead cover.
- B. Keep the Soldiers in three equal columns.
- C. Ensure that all Soldiers have an IOTV, serviceable ACH, eye and hearing protection before issuing the Soldiers 1 or 2 live grenades.
- D. Ensure the Soldiers have the proper right or left grip.
 - I. The proper right handed grip is as follows, the Soldier opens his right hand, you place the safety lever between the 1st and 2nd joint of the thumb of the Soldiers throwing hand; the Soldier wraps the rest of the hand around the grenade, and then places the grenade in the chin to chest working area.
 - II. The proper left handed grip is as follows, the Soldier opens his left hand, you place the grenade up-side down with the fuse head pointing down to the ground, with the safety lever between the 1st and 2nd joint of the thumb of the throwing hand, there is a seam in the middle of the grenade, place the Soldier thumb along the seam, then have the Soldier wrap the rest of his hand around the grenade, then places the grenade in the chin to chest working area.
- E. Make sure the Soldiers know what pit to go to:
 - I. Outside column goes to the base of the tower.
 - II. The middle column goes to pit #3.
 - III. The inside column goes to pit #2.
- F. Ensure you even the throwing orders out before you get down to the last 5 throwing orders.
- G. Be alert at all times and listen to the tower NCOIC for commands and instructions.
- H. Tower commands are: 'number one man up (in all bays), prepare to throw, throw' 'number two man up (in all bays), prepare to throw, throw' 'alibi, alibi, up, prepare to throw, throw,' 'all clear, all clear, next firing order move out.'**

- I. Send Soldiers out when tower commands *'all clear, all clear, next firing order move out'*. Enforce Soldiers to not run, but to "range walk."
- J. Ensure the gate is called and closed when live bay operations start. If the gate calls and wants to allow someone down range ensure you or the RSO notify the tower and NCOIC.
- K. If a GSO is not designated, the RSO will give the live bay safety briefing.

8. SAFETY BRIEFING FOR LIVE BAY

- A. Instructors will not brief Soldiers in front of wall if there is a dud in any of the bays.
- B. Point out range fans.
- C. Point out throwing pits that we will be using that day (use picture chart).
- D. Point out how each throwing order will go out to their pit, and how they will return to the overhead cover after throwing.
- E. Reinforce the proper right and left- handed grip, and how to arm the grenade using the proper right or left handed grip.
- F. Reinforce that all Soldiers will keep their grenades in the chin to chest working area, at all times when under the overhead cover and when walking to and from the pits.
- G. Reinforce that the Soldiers will take all instructions/commands from the pit NCO and the pit NCO only.
- H. Ensure all Soldiers have earplugs and eye protection.
- I. Brief Soldiers that they can drink all the water they want, except when they have two live grenades in their hands, and they are in the throwing pits.
- J. Brief Soldiers to stay under the overhead cover under the center beam at all times.
- K. Brief the Soldiers that they will range walk to and from the pits.
- L. No Soldier, drill sergeant, or cadre member will use the tree line while live hand grenades are being thrown.
- M. During live bay, Soldiers that are waiting to throw will be staged under the overhead cover. At no time will the Soldiers be allowed to leave from under the overhead cover until the NCOIC and RSO say to do so. This is designed for control. Once Soldiers in the live bay are done, they will be sent back up range where they will continue their training on the qualification course and eat chow. Drill Sergeants must understand that the Soldiers will be under the control of Malone 1 range cadre.

At no time will the Drill Sergeants move Soldiers up or down range without approval from the NCOIC and RSO.

N. Think safety at all times.

9. PIT NCOS FOR LIVE BAY

A. Rehearse all drills that may occur in the pits (i.e. grenade dropped in pit, grenade dropped out of pit, Soldier milks grenade, Soldier cooks off grenade, Dud, or partial detonation) prior to live bay each day.

B. Ensure that all pull rings are accounted for and turned in to the Ammo NCO.

C. Ensure all safety levers (spoons) found after training is turned in to the Ammo NCO.

10. TOWER NCO

A. Maintain accurate count of thrown hand grenades.

B. Fill out count sheet in tower.

C. Confirm number of grenades detonated with the NCOIC and Ammo NCO.

11. PIT DETONATION PROCEDURES

A. If a grenade is dropped inside the pit, the Pit NCO will yell "GRENADE INSIDE THE PIT!"

B. The Pit NCO will make ten points of contact on the Trainee and safely take the Trainee over the knee wall and outside of the pit.

C. The Pit NCO will shelter the Trainee with his body so the order is ground, Trainee, then Pit NCO.

12. FALIURE TO THROW PROCEDURES

A. Precautions taken in the event a Soldier refuses to throw a live hand grenade:

1. If a Soldier releases the safety lever but fails to throw the grenade, the Pit NCO forcefully repeats the command to "THROW!"
2. The Pit Safety NCO directs the Soldier to remain behind cover.
3. If necessary, the Pit NCO grabs and throws the grenade himself.
4. The Soldier is then removed from the remainder of training.
5. Soldiers name is given to the Chain of Command.

13. DUD PROCEDURES

- A. The thrower and supervisor will wait in the throwing pit for at least 5 minutes until NCOIC gives instruction to return to the overhead cover.
- B. Notify Range Control and let them know that the dud SOP is in effect. Range Control will notify EOD immediately.
- C. The RSO will ensure he/she is wearing their IBA, ACH, eye and ear protection and try to observe the dud to ensure the spoon released and it is in fact a dud in order to submit the correct report to Range Control.
- D. Do not throw any hand grenades into the area of the dud until it has been neutralized.
- E. **The OIC/NCOIC will assess to determine if soldiers can continue to train in adjacent pits. If the dud is a partial dud (spoon did not release) that pit will be cleared and training will continue until EOD arrives. Soldiers must be able to move to and from pits without direct exposure to the dud.**

14. DISTANCE AND ACCURACY

SOLDIERS ARE NOT ALLOWED TO CONDUCT ANY TRAINING OTHER THAN D&A OR MOCK BAY PRIOR TO THE COMPLETION OF LIVE BAY

- A. Soldiers will have the proper throwing techniques and muscle memory.
- B. If the qualification course and bunker training is done prior to Mock and Live bay, Soldiers are more prone to “cook off” grenades and pickup bad habits (there have been cook offs).
- C. Doing the qualification course prior will cause undo fatigue on Soldiers upper body. For safety reasons Soldiers need to throw as high and far as possible.
- D. Doing the qualification course prior can also cause unnecessary heat and stress (physically) to Soldiers, possibly causing heat casualties.

15. MOCK BAY FAILURES

- A. Weak Mock Bay throwers will be given extra training by range personnel before going to Live Bay. All weak throwers will be indentified by wearing white engineer tape on their IOTV.
- B. Soldiers who do not throw due to injury or missing too much of the required training may return on the next available training day.
- C. Units that are piggy-backing must coordinate with the using unit before arriving to the range.

16. UNIT TRAINING WAIVER

If Soldiers have not completed at least day 7, the unit must have a memorandum signed by their brigade commander. The memorandum must annotate the training week the unit is in and why this safety requirement is being waived.

17. STANDARDS FOR MOCK BAY

Malone 1 is a High Risk Range and therefore every precaution must be taken to ensure the safety of every individual. Proper control and safety procedures allow us to conduct hand grenade training in a safe manner; train Soldiers to standard, and safety is inherent.

The following is a list of safety violations that will get the Soldier(s) white taped.

- A. Soldier drops the hand grenade into the pit. (This may prevent Soldier(s) from
- B. throwing a live hand grenade; it is at the discretion of the RSO and Range NCOIC)
- C. Soldier drops the hand grenade over the back knee high wall or drops throwing hand to rear.
- D. Soldier milks the hand grenade.
- E. Soldier freezes after arming the hand grenade.
- F. Soldier stays looking after he throws the hand grenade down range.
- G. Soldier fails to take commands from the pit NCO.
- H. Cooking grenade off.
- I. Sky hook throw.
- J. Throwing low.

Besides the above list, any unsafe acts, improper techniques, or bad habits (which a Soldier could carry over to Live Bay training) will not be tolerated. Malone One **will not** compromise safety. Malone One uses a wire that is 28 meters from the Mock Bay Pit. Emphasis is put on throwing over the wire which forces the Soldier to throw up and out.

This will prevent the Soldier from throwing **low** and **short**. **Soldiers must safely carry, arm, and throw two practice hand grenades at the mock-bay pit (FM 23-30/ FM 3-23.30, page 4-8).**

18. AMMO DISCREPANCY PROCEDURES

- A. Any discrepancy such as a missing M67 grenade from the ammo count or a M67 grenade canister from the factory sealed boxes will be reported to the RSO and NCOIC immediately.
1. Ammo NCO and NCOIC will verify count by cross-checking DA5515 (lot numbers and amount of grenades issued) with number of cases and grenade canisters of M67 grenades (expended and live).
 2. If a factory sealed box is discovered to be short grenades upon opening, or has a number of grenades different than labelled on the box, the NCOIC will verify the count with the ASP representative and the Ammo NCO. They will update any documents as necessary, and send back any short, factory sealed boxes to the ASP.
 3. Once a discrepancy has been verified by the NCOIC, the RSO will stop all training and have the training unit and range cadre account for all issued practice and/or lives grenades. Training unit will account for all Soldiers and Drill Sergeants.
 4. RSO initiates DA1594 and posts two range cadres at the front gate with a radio. Only mission essential personnel will be authorized to enter the range. All times of action and contacts will be logged. No one will be allowed to leave.
 5. RSO ensures brass and ammo checks are done to all personnel on range.
 6. NCOIC notifies:
 - a. Range Control via radio or cell (706) 544-6291 to advise them of a check-fire status
 - b. Ammunition Supply Point (706) 544-6700
 - c. QASAS (ammunition inspectors) (706)-544-7489
 - d. ITT Master Trainer (706) 545-9332
 - e. Training unit (Company Commander or 1SG)
- B. NCOIC will assess situation and determine next course of action as situation permits.
- C. Malone One and all personnel will stay on lock down until situation is rectified or the Chain of Command says otherwise.
- D. When the discrepancy is rectified, the NCOIC will confirm with the chain of command and notify the RSO and training unit commander.

Medical: In the event of an accident, injury or illness, the OIC/RSO will immediately call a cease fire then call 911 using the standard 9 Line MEDEVAC to determine what type of evacuation is the most appropriate for the injury (loss of life, limb or eyesight). MEDEVAC will be IAW MCoE Regulation 350-19 and USAIC 40-2. Landing zone for MEDEVAC aircraft will be established prior to use and will be marked appropriately. Range Control will be notified in this event. The cease fire will remain in effect until cleared through Range Control.

Incident: When an incident occurs on the range, regardless of injury or not, the OIC/RSO will immediately call a cease fire and report it to Range Control and the using unit's higher headquarters. OIC/RSO will take action as directed by Range Control. The cease fire will remain in effect until the problem is resolved and cleared through Range Control. If the incident results in an injury, the OIC/RSO will use the procedures outlined in the medical paragraph. The following information will be furnished by the OIC/RSO to Range Control:

- Designation of unit.
- Range and location.
- Type of weapon involved.
- Type of ammunition involved.
- Brief summary of what happened.
- Personnel injuries and extent.
- Full Name, SS#, Rank and unit of injured personnel.
- Extent of property damage.
- Intentions regarding an AR 15-6 investigation.

If contact is not made with ITT Master Trainer by cell or land-line, NCOIC will contact Company Commander (706) 545-7798, (706) 905-9533, or 2/29 IN SDNCO (706) 545-0094

CID or MP's will only be notified by Command

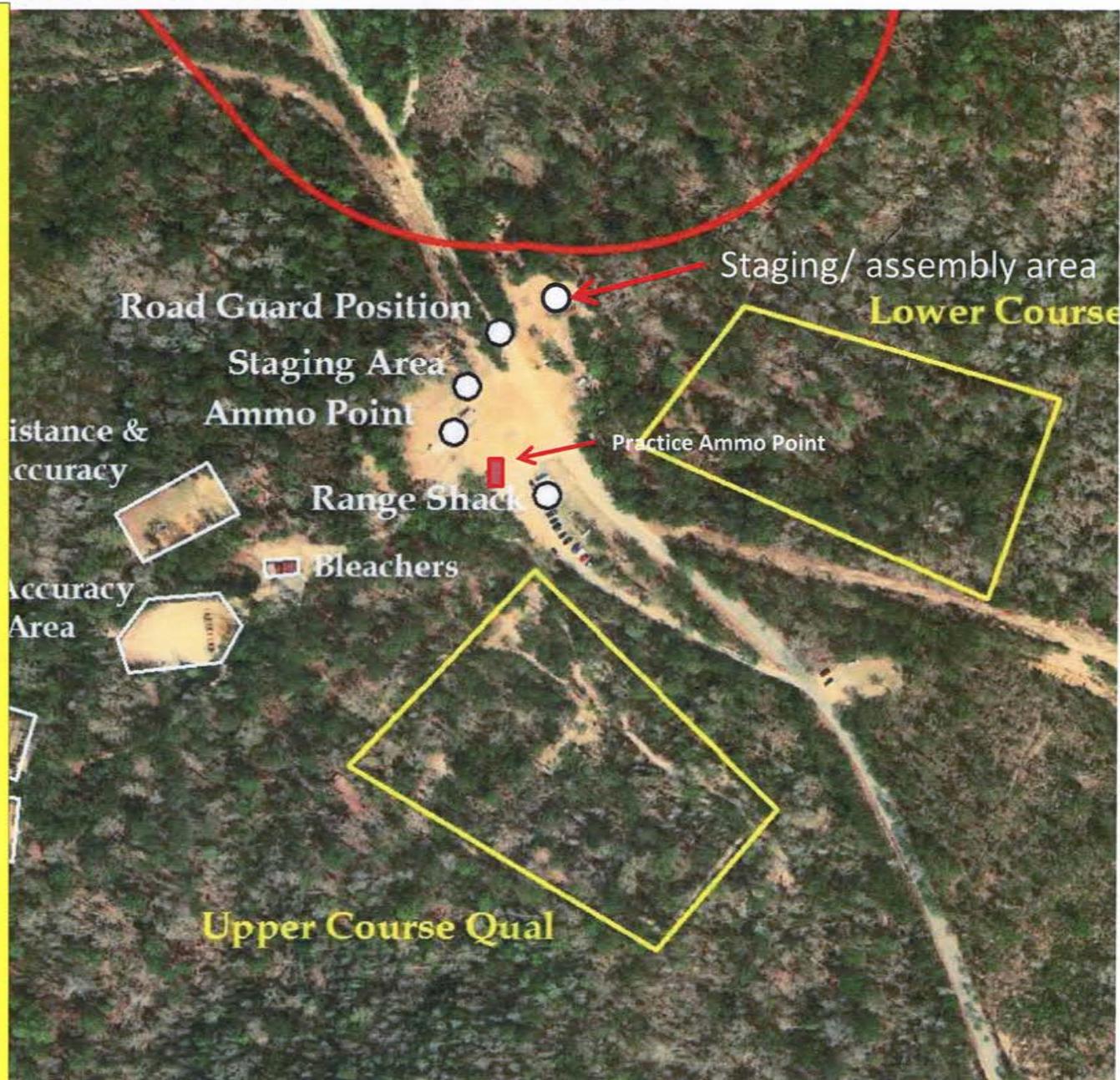
ANY MODIFICATIONS TO THIS SOP MUST BE SUBMITTED TO AND REVIEWED BY MALONE ONE NCOIC, ITT MASTER TRAINER AND A 2/29 IN COMPANY COMMANDER

MALONE 01 TRAINING IN PHASES

Mission: A/2-29 Conducts 198th Basic Training and 2-11 IBLC Hand Grenade Training

PHASE 1:

- Using unit detail arrives prior to main body.
- Detail conducts range setup in preparation for the arrival of the main body.
- Main body arrives and organizes in staging area; trainees are inventoried and bee sting, hot/cold weather injuries are identified.

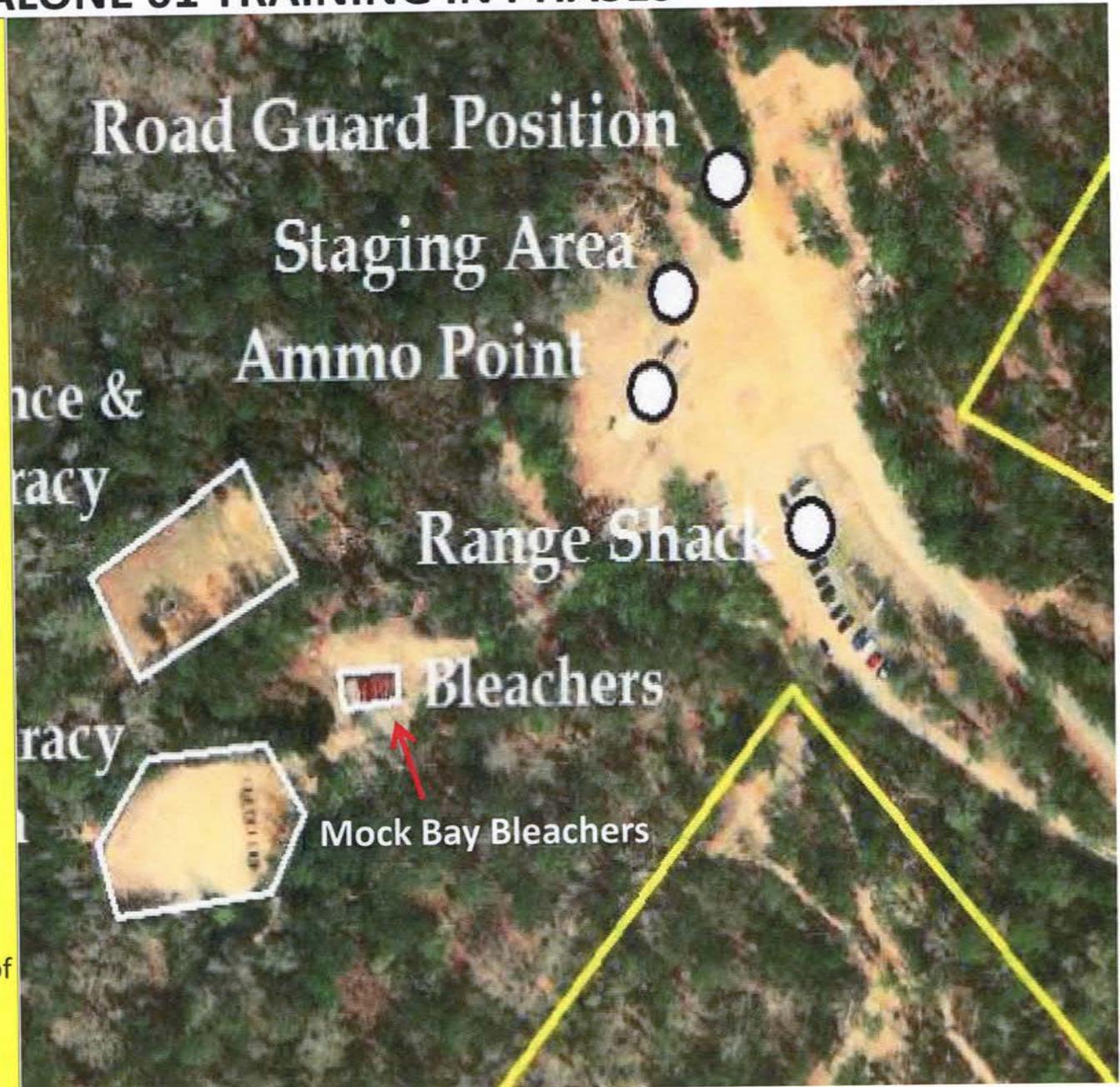


MALONE 01 TRAINING IN PHASES

Mission: A/2-29 Conducts 198th Basic Training and 2-11 IBLC Hand Grenade Training

PHASE 2:

- Trainees are moved to the Mock Bay bleachers.
- Trainees are given a Range Orientation/Safety Brief.
- Trainees are given a demonstration on the different types of grenades, including Smoke and Incendiary. The grenades are initiated by Range Cadre only. Once the Cadre has initiated the smoke grenades, the Trainees are instructed to stand up and face the rear of the bleachers. The Trainees are instructed to not turn around to look at the Incendiary grenade. There is a pre-positioned Cadre member approximately 75 meters behind the Trainees. That Cadre member yells "Burning" and then initiates the Incendiary grenade. Once it has completely burned out, the Trainees file by platoon to view the capability of the grenade on their way to receive Pre Live Ordinance Training at the Mock Bay area.



MALONE 01 TRAINING IN PHASES

Mission: A/2-29 Conducts 198th Basic Training and 2-11 IBLC Hand Grenade Training

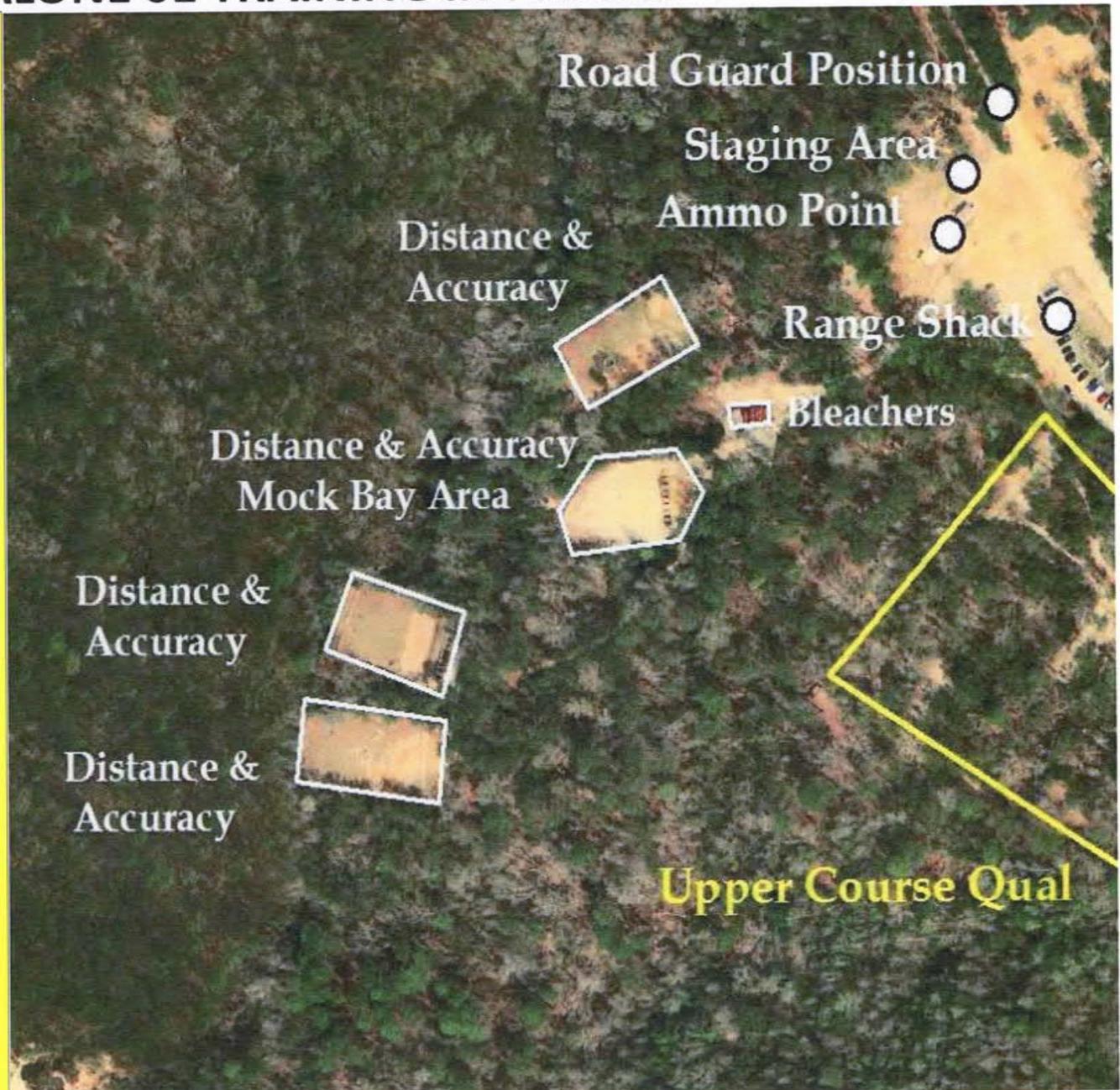
PHASE 3:

-All trainees receive hands on training on the proper left/right hand grip, safe handling techniques, and how to properly store the hand grenades.

B. All trainees are taught "Distance and Accuracy" prior to Mock Bay training.

C. All trainees are taught "Mock Bay" prior to throwing live Grenades.

D. Trainees must pass both Distance and Accuracy and Mock Bay training before moving on to Live Ordinance Training.



MALONE 01 TRAINING IN PHASES

Mission: A/2-29 Conducts 198th Basic Training and 2-11 IBLC Hand Grenade Training

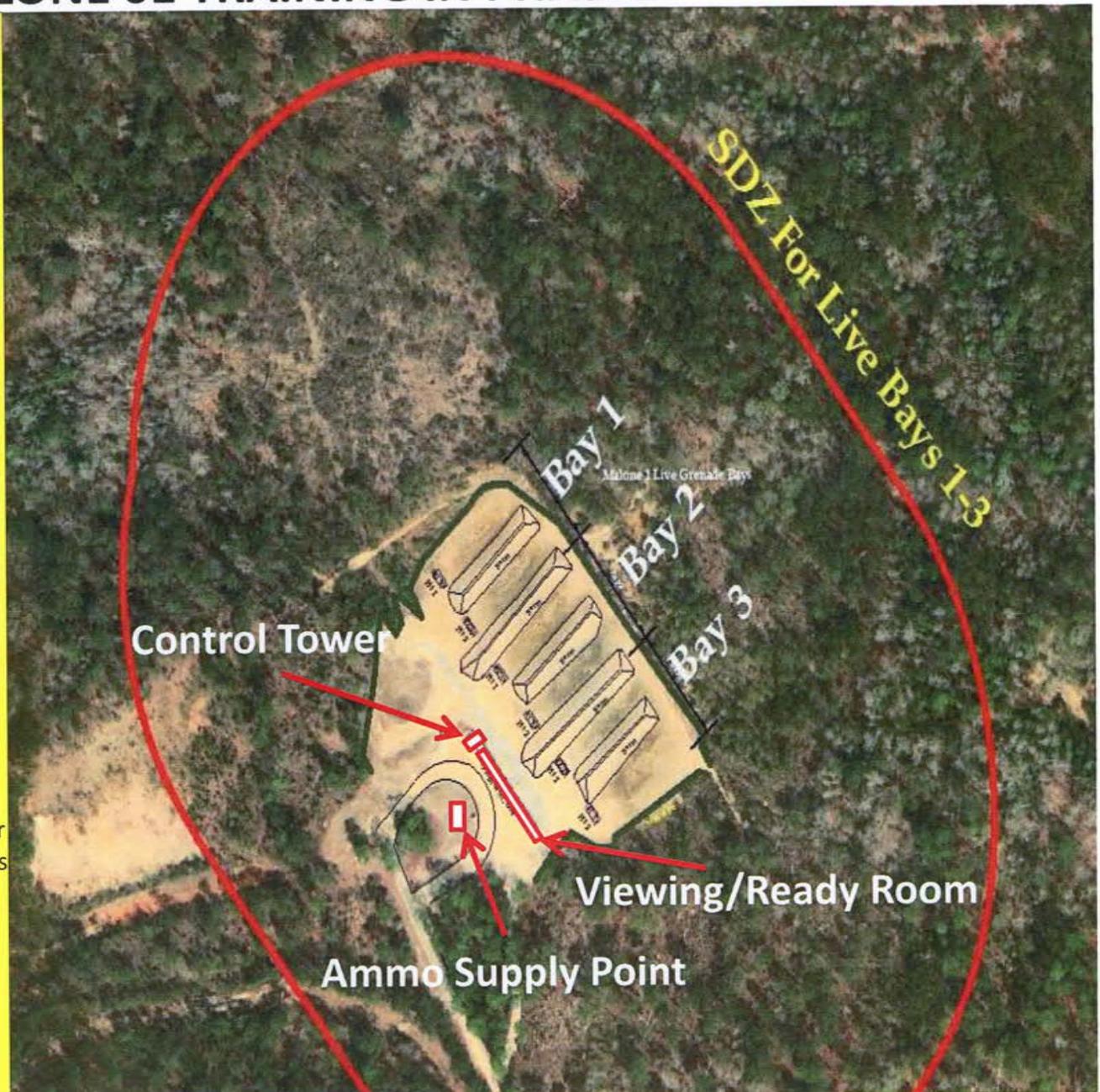
PHASE 4:

- Trainees will be given a period of instruction at the "Live Bay" on what is expected of them by the Ground Safety.

Sequence of events:

- 1.) Trainee exits the Viewing/Ready Room and are issued two live hand grenades.
- 2.) The Pit NCO Safety assumes control of the trainee.
- 3.) Utilizing the "Fist Over" hold. Once the Soldier enters the pit they hand the non throwing grenade to the "Pit NCO". The "Pit NCO" secures the non throwing grenade on his vest. If the first grenade is a dud, the "Pit NCO" will follow dud procedures then direct the Soldier to a different pit to resume training.

- The tower will direct all activities on the firing line. After Trainees exit the live bay they go back to viewing/ready room. The RSO and drill sergeants get accountability of each Soldier after every firing order. After half of the unit has thrown, the Tower will cease fire and allow them to return to the upper course to conduct Post Live Ordinance Training. After the unit has made their way to the upper course, Live Bay will continue training.



MALONE 01 TRAINING IN PHASES

Mission: A/2-29 Conducts 198th Basic Training and 2-11 IBLC Hand Grenade Training

PHASE 5:

- When directed, the trainees will return to the lower or upper training course for the bunker class.

- Trainees will then negotiate the Qualification Course (Upper Course), which is run by their Drill Sergeants (M16s will be utilized during this Buddy Team event) No ammo will be issued for the M16's during this portion of training.

- All troops, weapons, equipment, ammunition and dunnage will be accounted for.

- Trainees receive a brass and ammo check by their chain of command.

- Unit exits Malone 1

- Malone 1 NCOIC closes range



MALONE 01 TRAINING IN PHASES

Mission: A/2-29 Conducts 198th Basic Training and 2-11 IBLC Hand Grenade Training

PHASE 6:



Malone 1 Layout

Road Guard Position ●

Lower Course

Distance & Accuracy

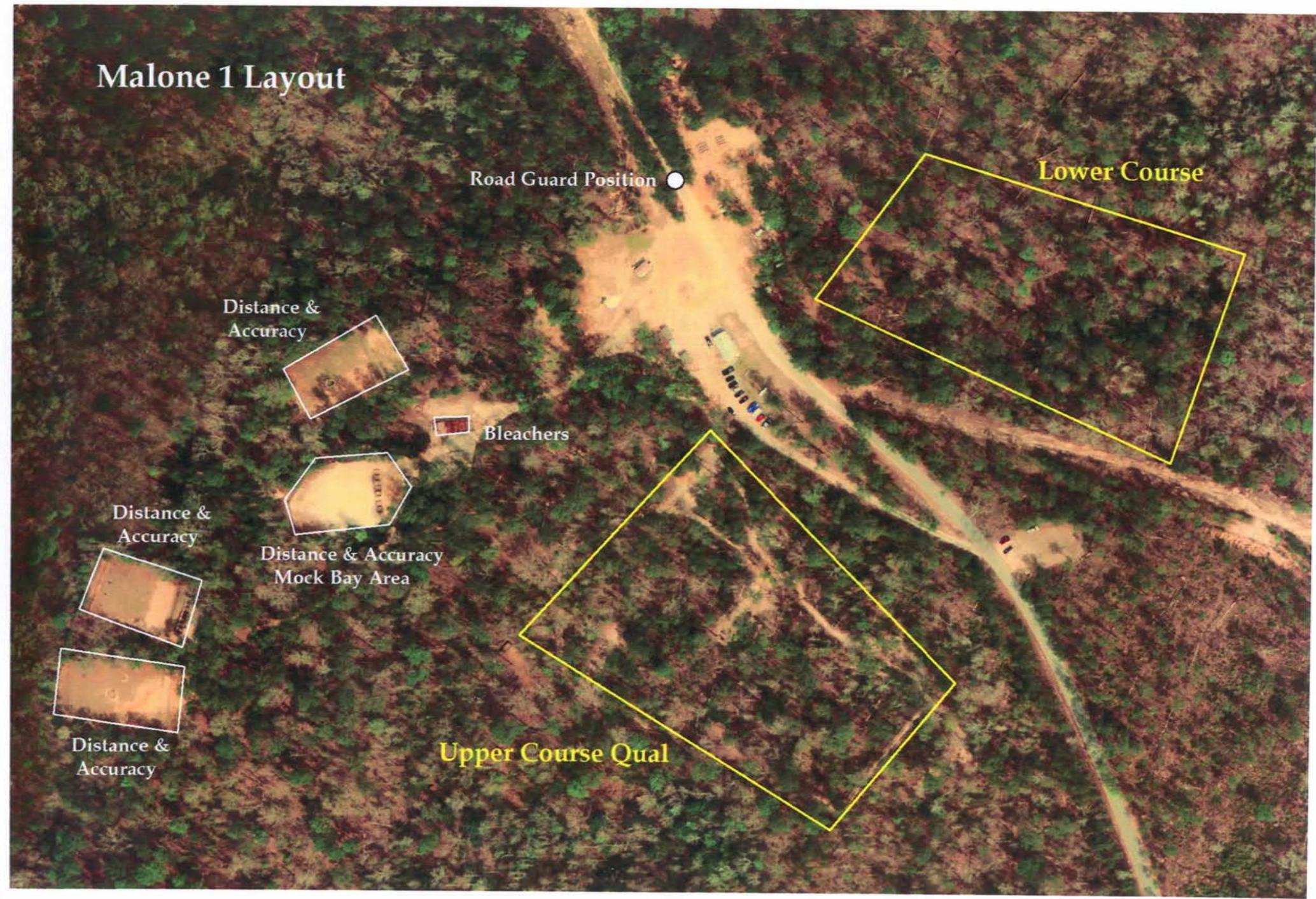
Bleachers

Distance & Accuracy

Distance & Accuracy
Mock Bay Area

Upper Course Qual

Distance & Accuracy



Malone 1 Layout



Road Guard Position

Staging Area

Ammo Point

Range Shack

Bleachers

Distance & Accuracy

Distance & Accuracy
Mock Bay Area

Distance & Accuracy

Distance & Accuracy

Lower Course

Upper Course Qual





REPLY TO
ATTENTION OF

8DEPARTMENT OF THE ARMY
HEADQUARTERS UNITED STATES ARMY MANEUVER CENTER OF EXCELLENCE
1 KARKER STREET
FORT BENNING, GEORGIA 31905-4500

ATZB-SO

21 August 2012

MEMORANDUM FOR Range Control Division, Fort Benning, GA 31905

SUBJECT: Malone 1, Hand Grenade Range and Young Range, Night Infiltration Course
Composite Risk Management Worksheet (CRMW) Safety Review

1. References.

- a. Army Regulation 385-10, The Army Safety Program, RAR 4 October 2011
- b. Department of the Army Pamphlet 385-30, Army Safety Program, RAR 19 January 2010
- c. Field Manual 5-19, Composite Risk Management, August 2006
- d. OSHA Regulation 29 CFR 1910, January 2010

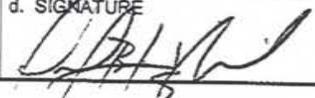
2. Recommend the Composite Risk Management Worksheets are accepted as written.

3. Point of contact is Scott A. Keith, Fort Benning/MCoE Safety Office, Comm. (706) 545-4010,
DSN 835-4010, scott.a.keith2.civ@mail.mil.


JILL E. CARLSON
Director, MCoE Safety

COMPOSITE RISK MANAGEMENT WORKSHEET

For use of this form, see FM 5-19; the proponent agency is TRADOC.

1. MSN/TASK Hand Grenades, Malone 1		2a. DTG BEGIN 090001AUG2012	2b. DTG END 082359AUG2013	3. DATE PREPARED (YYYYMMDD) 20120816			
4. PREPARED BY							
a. LAST NAME SMITH		b. RANK SFC		c. POSITION Malone 1 Range NCOIC			
5. SUBTASK	6. HAZARDS	7. INITIAL RISK LEVEL	8. CONTROLS	9. RESIDUAL RISK LEVEL	10. HOW TO IMPLEMENT	11. HOW TO SUPERVISE (WHO)	12. WAS CONTROL EFFECTIVE?
Employ Hand Grenades	1(A). Range/General Situational Awareness	H	THE RANGE NONCOMMISSIONED OFFICER IN CHARGE (NCOIC) AND SAFETY OFFICER (RSO) WILL: 1. READ AND REVIEW THE RISK MANAGEMENT WORKSHEET. 2. ENSURE CADRE COMBAT LIFESAVERS AND A DEDICATED EVACUATION VEHICLE ARE AVAILABLE. CONSULT WITH TRAINING COMPANY CADRE TO IDENTIFY PROBLEM SOLDIERS (SUICIDAL OR HOMICIDAL INTENT OR GESTURES, OR DEMONSTRATING SERIOUS EMOTIONAL PROBLEMS). INDIVIDUALLY SUPERVISE HIGH RISK SOLDIERS. 3. IDENTIFY SOLDIERS WITH MEDICAL PROBLEMS HAVING THE POTENTIAL TO IMPACT TRAINING TO INCLUDE MINOR ILLNESSES, ALLERGIES, PREVIOUS HEAT AND/OR COLD WEATHER INJURIES, OR ENVIRONMENTAL SENSITIVITIES. 4. REVIEW EVACUATION PROCEDURES AND REPORTING PROCEDURES FOR	M	1. IAW MCOE Range and Terrain Regulation 350-19 2. IAW MCOE PM 385-6-13 3. IAW AR 385-63, policies and procedures for Firing Ammunition for Training, Target Practice, and Combat 4. 2-29TH IN policies on range operation 5. Range safety brief to leaders 6. IAW USAIC PM 350-6-2	NCOIC (SFC Smith); RSO (SSG Latham, SSG Henggeler, SSG Reed, SSG Tabor, SSG Rodriguez)	
Additional space for entries in Items 5 through 11 is provided on Page 2.							
13. OVERALL RISK LEVEL AFTER CONTROLS ARE IMPLEMENTED (Check one)							
<input type="checkbox"/> LOW <input type="checkbox"/> MODERATE <input checked="" type="checkbox"/> HIGH <input type="checkbox"/> EXTREMELY HIGH							
14. RISK DECISION AUTHORITY							
a. LAST NAME DAVID B. HAIGHT		b. RANK COL		c. DUTY POSITION Commandant, United States Army Infantry School		d. SIGNATURE 	

ITEMS 5 THROUGH 12 CONTINUED:							
5. SUBTASK	6. HAZARDS	7. INITIAL RISK LEVEL	8. CONTROLS	9. RESIDUAL RISK LEVEL	10. HOW TO IMPLEMENT	11. HOW TO SUPERVISE (WHO)	12. WAS CONTROL EFFECTIVE?
Employ Hand Grenades			SERIOUS INCIDENTS. PLAN TO EVACUATE SOLDIERS WITH ALLERGIC REACTIONS, ANYONE WITHIN 25 METERS OF A LIGHTNING STRIKES.				
			COLD WEATHER/HEAT INJURIES, SNAKEBITE, OR ANYONE SHOWING SYMPTOMS BEYOND THE RANGE NCOIC'S EXPERIENCE AND THE				
			MEDICS' ABILITY TO TREAT. THE NCOIC/RSO WILL DIRECT AN AIR MEDEVAC WHEN THE DANGER OF LOSS OF LIFE, LIMB, OR EYESIGHT				
			EXISTS. 5. ASCERTAIN WHAT TYPE OF TRAINING THE UNIT HAS DONE FOR THE PREVIOUS DAY AND THAT				
			MORNING. 6. CONDUCT DAILY RISK ASSESSMENT IN CONSULTATION WITH TRAINING COMPANY CADRE REPRESENTATIVES.				
	1(B). Heat	H	1. THE TRAINING UNIT WILL MONITOR WET BULB FOR HEAT CATEGORY. PREVIOUS HEAT INJURIES WILL BE MONITORED THROUGH MARKING,	M	1. IAW MCOE Range and Terrain Regulation 350-19 2. IAW MCOE PM 385-6-13	NCOIC (SFC Smith); RSO (SSG Latham, SSG Henggeler, SSG Reed, SSG Tabor, SSG Rodriguez,	
			THE BUDDY SYSTEM, TRAINING COMPANY CADRE, AND INSTRUCTORS. UPDATE DAILY RISK ASSESSMENT IF UNIT ROAD MARCHES TO TRAINING.		3. IAW AR 385-63, policies and procedures for Firing Ammunition for Training, Target Practice, and Combat	SSG Hamerstone, SSG Courtney, SSG Chargulaf, SSG Smith, SSG Harris)	
			2. HEAT CATEGORIES WILL BE ENFORCED AS FOLLOWS: 1. 78-81.9 2. 82-84.9		4. 2-29TH IN policies on range operation 5. Range safety brief to leaders		
			3. 85-87.9 4. 88-89.9 5. >90		6. IAW TRADOC Reg 350-29 7. IAW USAIC Reg 40-14 8. IAW USAIC PM 350-6-2		
			3. DAILY WATER INTAKE SHOULD NOT EXCEED 12 QTS. 4. EVACUATE HEAT CASUALTIES IN ACCORDANCE WITH SERIOUS				

ITEMS 5 THROUGH 12 CONTINUED:							
5. SUBTASK	6. HAZARDS	7. INITIAL RISK LEVEL	8. CONTROLS	9. RESIDUAL RISK LEVEL	10. HOW TO IMPLEMENT	11. HOW TO SUPERVISE (WHO)	12. WAS CONTROL EFFECTIVE?
Employ Hand Grenades			INCIDENT GUIDELINES/POST REQUIREMENTS. 5. IDENTIFY PREVIOUS HEAT INJURIES. 6. MONITOR EATING OF MEALS AND				
			RECORD WATER CONSUMPTION WITH CARD OR CORD SYSTEM. 7. BRIEF ALL SOLDIERS ON SIGNS OF HEAT INJURIES.				
			8. TRAINING UNIT AND RANGE CADRE MAINTAIN ICE SHEETS. 9. RANGE CADRE AND TRAINING UNIT MODIFY THE DUTY UNIFORM AS				
			NECESSARY TO ALLOW HEAT DISSIPATION. 10. RANGE CADRE ALLOW TRAINEES TO SEEK SHADE WHEN AVAILABLE.				
	1(C). Cold	M	1. ALL SOLDIERS WITH PREVIOUS COLD INJURIES WILL BE IDENTIFIED AND CLOSELY MONITORED THROUGH MARKING, THE BUDDY SYSTEM.	L	1. IAW MCOE Range and Terrain Regulation 350-19 2. IAW MCOE PM 385-6-13	NCOIC (SFC Smith); RSO (SSG Latham, SSG Henggeler, SSG Reed, SSG Tabor, SSG Rodriguez,	
			COMPANY CADRE, AND INSTRUCTORS. 2. IMMERSION FOOT: CAUSE: PROLONGED IMMERSION IN COLD WATER, USUALLY IN EXCESS OF 12		3. IAW AR 385-63, policies and procedures for Firing Ammunition for Training, Target Practice, and Combat	SSG Hamerstone, SSG Courtney, SSG Chargulaf, SSG Smith, SSG Harris, SSG Try)	
			HOURS AT TEMPERATURES BELOW 50 DEGREES FAHRENHEIT. 3. TRENCH FOOT: CAUSE: EXPOSURE TO WETNESS AND COLD BETWEEN		4. 2-29TH IN policies on range operation 5. Range safety brief to leaders		
			AND UP TO 50 DEGREES FAHRENHEIT, LASTING HOURS TO SEVERAL DAYS. 4. FROST BITE: CAUSE: EXPOSURE TO COLD AT TEMPERATURES OF		6. IAW TRADOC Reg 350-29 7. IAW USAIC PM 350-6-2 8. IAW USAIC REG 40-24		
			FREEZING OR BELOW, FOR MINUTES TO SEVERAL HOURS. 5. HYPOTHERMIA: CAUSE: HEAT LOSS EXCEEDING BODY'S HEAT				
			PRODUCTION RESULTING IN BODY TEMPERATURE OF 95 DEGREES FAHRENHEIT OR LOWER. 6. FIRST AID MEASURES: REMOVE WET				

ITEMS 5 THROUGH 12 CONTINUED:

5. SUBTASK	6. HAZARDS	7. INITIAL RISK LEVEL	8. CONTROLS	9. RESIDUAL RISK LEVEL	10. HOW TO IMPLEMENT	11. HOW TO SUPERVISE (WHO)	12. WAS CONTROL EFFECTIVE?
Employ Hand Grenades			CLOTHING, REST AFFECTED PART AND REWARM IT PROMPTLY TO ROOM TEMPERATURE (EXCEPT IN THE CASE OF FROSTBITE, WHEN THAWING)				
			SHOULD ONLY BE ATTEMPTED BY MEDICAL PERSONNEL). TREAT INJURIES AND EVACUATE IMMEDIATELY.				
			7. ENSURE ALL SOLDIERS HAVE PROPER COLD WEATHER CLOTHING. 8. MONITOR WIND CHILL FACTOR:				
			CAT I: +32 to +1 F CAT II: 0 to -5 F CAT III: -6 to -10 F CAT IV: Below -10 F				
	2. Eye/Hearing Loss	H	RANGE NCOIC OR RSO WILL: 1. BRIEF SOLDIERS ON THE DANGERS OF GRENADES FOR HEARING AND EYESIGHT LOSS.	M	1. IAW MCOE Range and Terrain Regulation 350-19 2. IAW MCOE PM 385-6-13	NCOIC (SFC Smith); RSO (SSG Latham, SSG Henggeler, SSG Reed, SSG Tabor, SSG Rodriguez)	
			2. ENSURE SOLDIERS ARE WEARING EYE AND EAR PROTECTION DURING RANGE OPERATION. 3. ENSURE EXTRA EARPLUGS ARE		3. IAW AR 385-63, policies and procedures for Firing Ammunition for Training, Target Practice, and Combat	Live Bay NCO (SSG Hamerstone, SSG Courtney, SSG Chargulaf, SSG Smith, SSG Harris, SSG Try,	
			AVAILABLE 4. INSTRUCTOR WILL: ENSURE THAT ALL PERSONNEL ARE WEARING HEARING PROTECTION DURING		4. 2-29TH IN policies on range operation 5. Range safety brief to leaders	SSG Reed, SSG Latham, SSG Henggeler, SSG Tabor, SSG Rodriguez)	
			LIVE BAY, TO INCLUDE CADRE. MEDICS WILL: A) ENSURE THAT THE AID BAG IS PRESENT AND HAS ALL REQUIRED		6. AR 40-501		
			EQUIPMENT. B) REQUEST AND REPLENISH ANY DEFICIENCIES PRIOR TO THE START OF TRAINING.				
	3. Soldier Bitten/Stung by Snakes or Insects	M	RANGE NCOIC OR RSO WILL: 1. INFORM THE SOLDIERS OF THE VARIOUS TYPES OF WILDLIFE THAT ARE HAZARDOUS AND WARN THEM	L	1. IAW MCOE Range and Terrain Regulation 350-19 2. IAW MCOE PM 385-6-12	NCOIC (SFC Smith); RSO (SSG Latham, SSG Henggeler, SSG Reed, SSG Tabor, SSG Rodriguez)	

ITEMS 5 THROUGH 12 CONTINUED:

5. SUBTASK	6. HAZARDS	7. INITIAL RISK LEVEL	8. CONTROLS	9. RESIDUAL RISK LEVEL	10. HOW TO IMPLEMENT	11. HOW TO SUPERVISE (WHO)	12. WAS CONTROL EFFECTIVE?
Employ Hand Grenades			NOT TO HANDLE OR HARASS WILDLIFE DURING TRAINING. 2. ENSURE PERSONNEL WITH MEDICAL PROBLEMS SUCH AS		3. IAW AR 385-63, policies and procedures for Firing Ammunition for Training, Target Practice, and Combat	SSG Hamerstone, SSG Courtney, SSG Chargulaf, SSG Smith, SSG Harris, SSG Try,	
			ALLERGIES TO INSECT BITES ARE IDENTIFIED AND MARKED. 3. ENSURE STING (ANAPHYLACTIC) KIT IS IN CLS BAG.		4. 2-29TH IN REGT policies on range operation 5. Range safety brief to leaders		
					6. IAW USAIC PM 350-6-2		
	4. Soldier Struck by Lightning	M	RANGE NCOIC OR RSO WILL: 1. MONITOR RADIO NET AT ALL TIMES FOR SEVERE WEATHER/LIGHTNING ADVISORY WARNINGS.	L	1. IAW MCOE Range and Terrain Regulation 350-19 2. IAW MCOE PM 385-6-13	NCOIC (SFC Smith); RSO (SSG Latham, SSG Henggeler, SSG Reed, SSG Tabor, SSG Rodriguez)	
			2. SUSPEND ALL TRAINING DURING ELECTRICAL STORMS. 3. NOTIFY RANGE CONTROL, BATTALION HEADQUARTERS (HQ),		3. IAW AR 385-63, policies and procedures for Firing Ammunition for Training, Target Practice, and Combat		
			AND COMPANY HQ OF ANY INCIDENT. 4. CONTROL THE STUDENTS. 5. BRIEF STUDENTS ON ELECTRICAL STORM PLAN AND POINT OUT		4. 2-29TH IN policies on range operation 5. Range safety brief to leaders		
			LOCATION TO GROUND GEAR AND THE DESIGNATED LIGHTNING PROTECTION AREA TO MOVE TO IN THE EVENT OF LIGHTNING.		6. TRADOC Reg 350-6 7. TRADOC Reg 385-2		
			6. INFORM TRAINING UNIT CADRE TO IMPLEMENT THE SEVERE WEATHER PLAN. 7. ENSURE STUDENTS GROUND THEIR				
			INDIVIDUAL EQUIPMENT AND DON THEIR WET-WEATHER GEAR. 8. ENSURE ALL STUDENTS ARE SPREAD 5 TO 10 METERS APART IN AN				
			OPEN AREA OR IN THE DESIGNATED LIGHTNING PROTECTION AREA UNTIL THE STORM CLEARS OR THE TRAINING UNIT DEPARTS.				

ITEMS 5 THROUGH 12 CONTINUED:							
5. SUBTASK	6. HAZARDS	7. INITIAL RISK LEVEL	8. CONTROLS	9. RESIDUAL RISK LEVEL	10. HOW TO IMPLEMENT	11. HOW TO SUPERVISE (WHO)	12. WAS CONTROL EFFECTIVE?
Employ Hand Grenades	5. Minor Body Injury (Cuts or Falls)	M	RANGE NCOIC OR RSO WILL: GIVE SAFETY BRIEFING ALERTING SOLDIERS TO TRIPPING HAZARDS: ROCKS, ROOTS, BRANCHES, FALLEN	L	1. IAW MCOE Range and Terrain Regulation 350-19 2. IAW MCOE PM 385-6-13	NCOIC (SFC Domingo, SFC Ramirez); RSO (SSG Severs, SSG Edge, SSG Hines, SSG Hammerstone, SSG White,	
			TREES, AND CREEK BEDS. INSTRUCTORS WILL MONITOR SOLDIER MOVEMENT AND ALERT SOLDIERS TO POSSIBLE HAZARDS.		3. IAW AR 385-63, policies and procedures for Firing Ammunition for Training, Target Practice, and Combat	SSG Smith, SSG Hambright, SSG Chance, SSG Jackson, SSG Kulik, SSG Try, SSG Montgomery,	
					4. 2-29TH IN REGT policies on range operation 5. Range safety brief to leaders	SSG Carrington, SSG Rodriguez)	
	6. Demonstration of an M14 Incendiary Grenade Could Burn Retina in Eyes	M	RANGE NCOIC OR RSO WILL: BRIEF SOLDIERS NOT TO LOOK DIRECTLY AT THE GRENADE DURING DEMONSTRATION. INSTRUCTORS	L	1. IAW MCOE Range and Terrain Regulation 350-19 2. IAW MCOE PM 385-6-13	NCOIC (SFC Domingo, SFC Ramirez); RSO (SSG Severs, SSG Edge, SSG Hines, SSG Hammerstone, SSG White,	
			AND TRAINING UNIT CADRE WILL: MONITOR SOLDIERS TO ENSURE THEY DO NOT LOOK AT THE GRENADE.		3. IAW AR 385-63, policies and procedures for Firing Ammunition for Training, Target Practice, and Combat	SSG Smith, SSG Hambright, SSG Chance, SSG Jackson, SSG Kulik, SSG Try, SSG Montgomery,	
					4. 2-29TH IN REGT policies on range operation 5. Range safety brief to leaders	SSG Carrington, SSG Rodriguez); Training Unit Cadre	
	7. Soldier Misses the Bunker while Using the Cook-Off Technique; Fuse Residue from Practice Fuse Could	M	TRAINING UNIT CADRE WILL: 1. MONITOR SOLDIERS TO ENSURE THEY DO NOT LOOK AT THE GRENADE.	L	1. IAW MCOE Range and Terrain Regulation 350-19 2. IAW MCOE PM 385-6-13	Training Unit Cadre	
	Hit the Soldier.		2. TEACH AND DEMONSTRATE COOK-OFF TECHNIQUES TO THE SOLDIERS. 3. ENSURE THE COOK-OFF IS ONLY USED WITH PRACTICE FUSES.		3. IAW AR 385-63, policies and procedures for Firing Ammunition for Training, Target Practice, and Combat		
			4. ENSURE PRACTICE AND LIVE GRENADES ARE SEPARATED (SEPARATE AMMO DROP POINTS AND STORAGE AREAS).		4. 2-29TH IN REGT policies on range operation 5. Range safety brief to leaders		
			5. ENSURE SOLDIERS TURN AND FACE THE REAR OF THE BUNKER TO KEEP FRAGMENTS FROM HITTING THEM IN THE FACE.				

ITEMS 5 THROUGH 12 CONTINUED:							
5. SUBTASK	6. HAZARDS	7. INITIAL RISK LEVEL	8. CONTROLS	9. RESIDUAL RISK LEVEL	10. HOW TO IMPLEMENT	11. HOW TO SUPERVISE (WHO)	12. WAS CONTROL EFFECTIVE?
Employ Hand Grenades	8. Burning/cutting Hands on Expended Practice Grenades	M	RANGE NCOIC OR RSO WILL: 1. BRIEF ALL INSTRUCTORS ON THE SAFETY PROCEDURES TO BE FOLLOWED ON THE HAND GRENADE	L	1. IAW MCOE Range and Terrain Regulation 350-19 2. IAW MCOE PM 385-6-13	NCOIC (SFC Domingo, SFC Ramirez); RSO (SSG Severs, SSG Edge, SSG Hines, SSG Hammerstone, SSG White,	
			QUALIFICATION COURSE (HGQC). 2. ENSURE SOLDIERS ON DETAIL ARE WEARING EYE PROTECTION AND LEATHER GLOVES WHILE RETRIEVING		3. IAW AR 385-63, policies and procedures for Firing Ammunition for Training, Target Practice, and Combat	SSG Smith, SSG Hambright, SSG Chance, SSG Jackson, SSG Kulik, SSG Try , SSG Montgomery.	
			GRENADES. 3. ENSURE SOLDIERS ON DETAIL ARE NOT RETRIEVING GRENADES UNLESS INSTRUCTED BY THE CADRE.		4. 2-29TH IN REGT policies on range operation 5. Range safety brief to leaders	SSG Carrington, SSG Rodriguez); Training Unit Cadre	
	9. Ammunition & Pyrotechnics	M	AMMUNITION NCO WILL ENSURE: 1. SOLDIERS INVOLVED IN FUSING/REFUSING PRACTICE GRENADES UNDERSTAND NOT TO	L	1. IAW MCOE Range and Terrain Regulation 350-19 2. IAW MCOE PM 385-6-13	Ammo NCO (SSG Severs, SSG Edge, SSG Hines, SSG Hammerstone, SSG White, SSG Smith, SSG Hambright,	
			TOUCH THE BLASTING CAP DUE TO STATIC ELECTRICITY. 2. SOLDIERS USE LEATHER GLOVES WHEN HANDLING EXPENDED		3. IAW AR 385-63, policies and procedures for Firing Ammunition for Training, Target Practice, and Combat	SSG Chance, SSG Jackson, SSG Kulik, SSG Try , SSG Montgomery, SSG Carrington, SSG Rodriguez)	
			PRACTICE GRENADES. 3. TWO 10 LB SERVICEABLE ABC FIRE EXTINGUISHERS ARE ON SITE. 4. SOLDIERS WEAR EYE PROTECTION,		4. 2-29TH IN REGT policies on range operation 5. Range safety brief to leaders		
	10. Soldiers Hit by-Thrown Practice Grenades	M	RANGE NCOIC OR RSO WILL: WARN SOLDIERS TO WATCH FOR OTHER SOLDIERS IN THEIR PATH BEFORE THROWING AND ACTIONS	L	1. IAW MCOE Range and Terrain Regulation 350-19 2. IAW MCOE PM 385-6-13	NCOIC (SFC Domingo, SFC Ramirez); RSO (SSG Severs, SSG Edge, SSG Hines, SSG Hammerstone, SSG White,	
			TO TAKE IF IN THE PATH OF A THROWN GRENADE. INSTRUCTORS WILL: 1. ALLOW ENOUGH DISTANCE		3. IAW AR 385-63, policies and procedures for Firing Ammunition for Training, Target Practice, and Combat	SSG Smith, SSG Hambright, SSG Chance, SSG Jackson, SSG Kulik, SSG Try , SSG Montgomery,	
			BETWEEN QUALIFYING SOLDIERS TO ENSURE OVERTHROWN PRACTICE GRENADES WILL NOT HIT OTHER SOLDIERS.		4. 2-29TH IN REGT policies on range operation 5. Range safety brief to leaders	SSG Carrington, SSG Rodriguez); Training Unit Cadre	
			2. ENSURE SOLDIERS WEAR ACH AT ALL TIMES WHILE ON OR IN THE VICINITY OF THE HGQC. 3. ENSURE SOLDIERS NOT INVOLVED				

ITEMS 5 THROUGH 12 CONTINUED:							
5. SUBTASK	6. HAZARDS	7. INITIAL RISK LEVEL	8. CONTROLS	9. RESIDUAL RISK LEVEL	10. HOW TO IMPLEMENT	11. HOW TO SUPERVISE (WHO)	12. WAS CONTROL EFFECTIVE?
Employ Hand Grenades			IN THE HGQC STAY CLEAR OF THE COURSE. 4. SOLDIERS WEAR EYE PROTECTION AT ALL TIMES.				
	11. Lost Soldiers	M	1. SAFETY BRIEFING WILL INCLUDE MEASURES TO TAKE IF LOST OR SEPARATED. 2. A SITREP WILL BE PROVIDED	L	1. IAW MCOE Range and Terrain Regulation 350-19 2. IAW MCOE PM 385-6-13	NCOIC (SFC Domingo, SFC Ramirez); RSO (SSG Severs, SSG Edge, SSG Hines, SSG Hammerstone, SSG White,	
			TO THE CHAIN OF COMMAND, BN, BDE, AND RANGE CONTROL. 3. HEADCOUNTS AT EACH STATION. 4. A THOROUGH SEARCH WILL BE		3. IAW AR 385-63, policies and procedures for Firing Ammunition for Training, Target Practice, and Combat	SSG Smith, SSG Hambright, SSG Chance, SSG Jackson, SSG Kulik, SSG Try, SSG Montgomery,	
			CONDUCTED FOR THE LOST SOLDIER IN COORDINATION WITH TRAINING UNIT CADRE AND ALL AVAILABLE MANPOWER.		4. 2-29TH IN REGT policies on range operation 5. Range safety brief to leaders	SSG Carrington, SSG Rodriguez)	
	12. Road Conditions	M	1. RSO GIVES SAFETY BRIEFING. 2. 5 M.P.H. SPEED LIMIT SIGNS POSTED IN THE TRAINING AREA. 3. SAFETY BRIEFING INCLUDES	L	1. IAW MCOE Range and Terrain Regulation 350-19 2. IAW MCOE PM 385-6-13	RSO (SSG Severs, SSG Edge, SSG Hines, SSG Hammerstone, SSG White, SSG Smith, SSG Hambright,	
			CURRENT AND EXPECTED WEATHER CONDITIONS AND THE POSSIBLE AFFECT ON ROAD CONDITIONS.		3. IAW AR 385-63, policies and procedures for Firing Ammunition for Training, Target Practice, and Combat	SSG Chance, SSG Jackson, SSG Kulik, SSG Try, SSG Montgomery, SSG Carrington, SSG Rodriguez)	
					4. 2-29TH IN REGT policies on range operation 5. Range safety brief to leaders		
	13. Mandatory Training Prior to Live Bay	M	1. SOLDIERS TAUGHT PROPER GRIP AND THROWING TECHNIQUE AT "DISTANCE AND ACCURACY" (DNA) TRAINING AND THE TRAINING IS	L	1. IAW MCOE Range and Terrain Regulation 350-19 2. IAW MCOE PM 385-6-13	NCOIC (SFC Domingo, SFC Ramirez); RSO (SSG Severs, SSG Edge, SSG Hines, SSG Hammerstone, SSG White,	
			REINFORCED IN THE "MOCK BAY." 2. AT THE MOCK BAY, SOLDIERS ARE TAUGHT LIVE BAY PROCEDURES AND REHEARSE THE EVACUATION DRILLS		3. IAW AR 385-63, policies and procedures for Firing Ammunition for Training, Target Practice, and Combat	SSG Smith, SSG Hambright, SSG Chance, SSG Jackson, SSG Kulik, SSG Try, SSG Montgomery,	
			DESCRIBED UNDER "RANGE SPECIFIC HAZARDS." 3. ALL SOLDIERS MUST SUCCESSFULLY COMPLETE DNA AND MOCK BAY		4. 2-29TH IN REGT policies on range operation 5. Range safety brief to leaders	SSG Carrington, SSG Rodriguez)	

ITEMS 5 THROUGH 12 CONTINUED:

5. SUBTASK	6. HAZARDS	7. INITIAL RISK LEVEL	8. CONTROLS	9. RESIDUAL RISK LEVEL	10. HOW TO IMPLEMENT	11. HOW TO SUPERVISE (WHO)	12. WAS CONTROL EFFECTIVE?
Employ Hand Grenades			TRAINING PRIOR TO ENTERING THE LIVE BAY. 4. NO CONCURRENT TRAINING OTHER THAN THROWING HAND GRENADES				
			WILL TAKE PLACE FROM THE START OF DNA THROUGH THE COMPLETION OF LIVE BAY TO ENSURE SOLDIERS HAVE THEIR MINDS ONLY ON				
			PROPERLY EMPLOYING HAND GRENADES. 5. ALL SOLDIERS WILL MOVE AS ONE UNIT DIRECTLY FROM MOCK BAY TO				
			LIVE BAY. 6. TRAINING COMPANY COMMANDER, FIRST SERGEANT, OR COMPANY XO WILL BE ON SITE FROM START OF				
			TRAINING THROUGH DNA, MOCK BAY, AND THROWING OF LIVE GRENADES. 7. PIT NCOS WILL BE SSGs CERTIFIED BY RANGE NCOIC AND CO.				
	14. Range specific hazard	E	LIVE BAY (PIT) NCO WILL DIRECT AND CONTROL THE SOLDIER IN THE PIT WITH HIM AND MAINTAIN POSITIVE VISUAL OBSERVATION AND CONTROL	H	1. IAW MCOE Range and Terrain Regulation 350-19 2. IAW MCOE PM 385-6-13	Live Bay NCO (SSG Severs, SSG Edge, SSG Hines, SSG Hammerstone, SSG White, SSG Smith, SSG Hambright,	
			OF THE LIVE GRENADES THE ENTIRE TIME: PIT NCOS WILL EACH REHEARSE THE FOLLOWING ACTIONS PRIOR TO THE CONDUCT OF LIVE BAY:		3. IAW AR 385-63, policies and procedures for Firing Ammunition for Training, Target Practice, and Combat	SSG Chance, SSG Jackson, SSG Kulik, SSG Try , SSG Montgomery, SSG Carrington, SSG Rodriguez)	
	A. Armed Hand Grenade Dropped in Live Bay	E	PIT NCO AND SOLDIER EXECUTE THE EVACUATION DRILL AS REHEARSED IN THE MOCK BAY, EXITING THE PIT OVER THE BACK WALL. THE PIT NCO	H	4. 2-29TH IN REGT policies on range operation 5. Range safety brief to leaders		
			WILL PHYSICALLY ENSURE THE SOLDIER GETS OVER THE BACK WALL.				
	B. Armed Hand Grenade Dropped off Back Wall	E	PIT NCO AND SOLDIER EXECUTE SAFETY DRILL AS REHEARSED IN THE MOCK BAY. PIT NCO AND SOLDIER WILL ASSUME THE PRONE POSITION	H	1. IAW MCOE Range and Terrain Regulation 350-19 2. IAW MCOE PM 385-6-13	Live Bay NCO (SSG Severs, SSG Edge, SSG Hines, SSG Hammerstone, SSG White, SSG Smith, SSG Hambright,	

ITEMS 5 THROUGH 12 CONTINUED:							
5. SUBTASK	6. HAZARDS	7. INITIAL RISK LEVEL	8. CONTROLS	9. RESIDUAL RISK LEVEL	10. HOW TO IMPLEMENT	11. HOW TO SUPERVISE (WHO)	12. WAS CONTROL EFFECTIVE?
Employ Hand Grenades			PARALLEL TO THE BACK WALL. PIT NCO WILL ENSURE THE SOLDIER'S HEAD IS BELOW THE TOP OF THE BACK WALL.		3. IAW AR 385-63, policies and procedures for Firing Ammunition for Training, Target Practice, and Combat	Live Bay NCO (SSG Severs, SSG Edge, SSG Hines, SSG Hammerstone, SSG White, SSG Smith, SSG Hambright)	
	C. Soldier Watches Grenade After Thrown	M	PIT NCO WILL PHYSICALLY PULL THE SOLDIER DOWN BEHIND THE FRONT WALL OF THE LIVE BAY.	L	1. IAW MCOE Range and Terrain Regulation 350-19 2. IAW MCOE PM 385-6-13	Live Bay NCO (SSG Severs, SSG Edge, SSG Hines, SSG Hammerstone, SSG White, SSG Smith, SSG Hambright)	
	D. Soldier Freezes After Arming Grenade	E	PIT NCO WILL REINFORCE THE COMMAND "THROW GRENADE." PIT NCO WILL THEN GRASP SOLDIER'S HAND AND APPLY PRESSURE TO THE	H	1. IAW MCOE Range and Terrain Regulation 350-19 2. IAW MCOE PM 385-6-13	Live Bay NCO (SSG Severs, SSG Edge, SSG Hines, SSG Hammerstone, SSG White, SSG Smith, SSG Hambright)	
			SAFETY LEVER. PIT NCO WILL WALK SOLDIER FORWARD AND EXTEND HIS HANDS OVER THE FRONT WALL. THE PIT NCO ENSURES THE SOLDIER'S		3. IAW AR 385-63, policies and procedures for Firing Ammunition for Training, Target Practice, and Combat	Live Bay NCO (SSG Severs, SSG Edge, SSG Hines, SSG Hammerstone, SSG White, SSG Smith, SSG Hambright)	
			HEAD IS BELOW THE FRONT WALL AND LETS THE SOLDIER DROP THE GRENADE IN FRONT OF THE LIVE BAY.		4. 2-29TH IN REGT policies on range operation 5. Range safety brief to leaders		
	E. Soldier Cooks-Off Grenade	E	PIT NCO CONTINUES TO REINFORCE THE COMMAND TO "THROW THE GRENADE." PIT NCO WILL NOT ATTEMPT TO GRAB THE GRENADE DUE	H	1. IAW MCOE Range and Terrain Regulation 350-19 2. IAW MCOE PM 385-6-13	Live Bay NCO (SSG Severs, SSG Edge, SSG Hines, SSG Hammerstone, SSG White, SSG Smith, SSG Hambright)	
			TO THE RISK THAT THE SOLDIER MAY DROP IT IN THE LIVE BAY.		3. IAW AR 385-63, policies and procedures for Firing Ammunition for Training, Target Practice, and Combat		
	F. Soldier 'Milks' Grenade Prior to Throwing	E	IF PIT NCO HEARS METALLIC CLICK (GRENADE ARMED), HE WILL REINFORCE THE COMMAND "THROW GRENADE." IF HE DOES NOT HEAR A	H	1. IAW MCOE Range and Terrain Regulation 350-19 2. IAW MCOE PM 385-6-13	Live Bay NCO (SSG Severs, SSG Edge, SSG Hines, SSG Hammerstone, SSG White, SSG Smith, SSG Hambright)	
			CLICK, HE WILL GRAB THE SOLDIER'S HAND AND APPLY PRESSURE TO THE SAFETY LEVER.		3. IAW AR 385-63, policies and procedures for Firing Ammunition for Training, Target Practice, and Combat		
	G. Qualification Course conducted after Live bay Operations Only	M	SOLDIERS WILL HAVE THE PROPER THROWING TECHNIQUES AND MUSCLE MEMORY. IF THE QUALIFICATION COURSE AND BUNKER TRAINING IS	L	1. IAW MCOE Range and Terrain Regulation 350-19 2. IAW MCOE PM 385-6-13	Live Bay NCO (SSG Severs, SSG Edge, SSG Hines, SSG Hammerstone, SSG White, SSG Smith, SSG Hambright)	

ITEMS 5 THROUGH 12 CONTINUED:

5. SUBTASK	6. HAZARDS	7. INITIAL RISK LEVEL	8. CONTROLS	9. RESIDUAL RISK LEVEL	10. HOW TO IMPLEMENT	11. HOW TO SUPERVISE (WHO)	12. WAS CONTROL EFFECTIVE?
Employ Hand Grenades			DONE PRIOR TO MOCK AND LIVEBAY, SOLDIERS ARE MORE PRONE TO "COOK OFF" GRENADES AND PICK UP BAD HABITS (THERE HAVE BEEN		3. IAW AR 385-63, policies and procedures for Firing Ammunition for Training, Target Practice, and Combat	Live Bay NCO (SSG Severs, SSG Edge, SSG Hines, SSG Hammerstone, SSG White, SSG Smith, SSG Hambright)	
			COOK OFFS IN THE PAST). DOING THE HGQC PRIOR WILL CAUSE UNDO FATIGUE ON SOLDIERS' UPPER BODY. FOR SAFETY REASONS, SOLDIERS		4. 2-29TH IN REGT policies on range operation 5. Range safety brief to leaders		
			NEED TO THROW AS HIGH AND FAR AS POSSIBLE. DOING THE QUALIFICATION COURSE PRIOR TO LIVE BAY CAN CAUSE UNNECESSARY HEAT AND				
			STRESS (PHYSICALLY) TO SOLDIERS, POSSIBLY CAUSING HEAT CASUALTIES.				
	H. Soldier Being Hit by Fragments from the M67 Fragmentation Grenades	E	1. RSO ENSURES ALL SOLDIERS ARE WEARING IOTV WITH PLATES WHILE FORWARD OF THE SAFETY BARRIER AND WHILE THROWING A LIVE M67	H	1. IAW MCOE Range and Terrain Regulation 350-19 2. IAW MCOE PM 385-6-13	NCOIC (SFC Domingo, SFC Ramirez); RSO (SSG Severs, SSG Edge, SSG Hines, SSG Hammerstone, SSG White,	
			FRAGMENTATION GRENADE. 2. NCOIC ENSURES MEDIC WITH AID BAG IS IN THE TOWER DURING LIVE GRENADE TRAINING AND THE		3. IAW AR 385-63, policies and procedures for Firing Ammunition for Training, Target Practice, and Combat	SSG Smith, SSG Hambright, SSG Chance, SSG Jackson, SSG Kulik, SSG Try, SSG Montgomery,	
			AMBULANCE IS NEXT TO THE RANGE SHACK. 3. RSO AND ALL INSTRUCTORS ENSURE HELMETS ARE WORN AT ALL		4. 2-29TH IN REGT policies on range operation 5. Range safety brief to leaders	SSG Carrington, SSG Rodriguez); Training Unit Cadre	
			TIMES. 4. SOLDIERS WILL BE UNDER OVERHEAD COVER AT ALL TIMES EXCEPT WHEN THEY ARE THROWING				
			THE GRENADE(S). 5. INSTRUCTORS WILL CONTROL SOLDIERS UNDER OVERHEAD COVER.				
	I. Premature Detonation at Grenade Issue Point	E	1. AMMUNITION NCO MAINTAINS NO MORE THAN TWO CASES (60 GRENADES) AT THE ISSUE POINT AT ANY ONE TIME.	H	1. IAW MCOE Range and Terrain Regulation 350-19 2. IAW MCOE PM 385-6-13	Ammo NCO (SSG Severs, SSG Edge, SSG Hines, SSG Hammerstone, SSG White, SSG Smith, SSG Hambright)	

ITEMS 5 THROUGH 12 CONTINUED:

5. SUBTASK	6. HAZARDS	7. INITIAL RISK LEVEL	8. CONTROLS	9. RESIDUAL RISK LEVEL	10. HOW TO IMPLEMENT	11. HOW TO SUPERVISE (WHO)	12. WAS CONTROL EFFECTIVE?
Employ Hand Grenades			2. AMMUNITION NCO ISSUES M67 FRAGMENTATION GRENADES DIRECTLY FROM CANISTER TO THE SOLDIER, AND ENSURES EACH		3. IAW AR 385-63, policies and procedures for Firing Ammunition for Training, Target Practice, and Combat	SSG Hammerstone , SSG Chargulaf, SSG Courtney, SSG Rodriguez, SSG Reed, SSG Latham, SSG Tabor	
			SOLDIER MAINTAINS THE PROPER GRIP.		4. 2-29TH IN policies on range operation 5. Range safety brief to leaders		
	J. Hand Grenade is a Dud	H	NCOIC AND RSO WILL ENSURE: 1. SOLDIERS ARE TAUGHT PROPER METHODS FOR ARMING HAND GRENADES IN DISTANCE AND	M	1. IAW MCOE Range and Terrain Regulation 350-19 2. IAW MCOE PM 385-6-13	NCOIC (SFC Smith); RSO (SSG Latham, SSG Henggeler , SSG Reed, SSG Tabor, SSG Rodriguez)	
			ACCURACY. 2. FOR GRENADES WITH CONFIDENCE CLIP ATTACHMENT, EMPHASIS IS GIVEN TO THE ADDITIONAL STEPS		3. IAW AR 385-63, policies and procedures for Firing Ammunition for Training, Target Practice, and Combat		
			TO PROPERLY ARM THE GRENADE. 3. PIT NCO OBSERVES EVERY STEP OF THE ARMING PROCESS TO ENSURE SAFETY AND PROPER ARMING.		4. 2-29TH IN policies on range operation 5. Range safety brief to leaders		
			4. ONCE DISCOVERED A HAND GRENADE DID NOT DETONATE, SOLDIERS WILL WAIT 5 MINUTES, THEN LEAVE THE PIT.				
			5. NEITHER RANGE CADRE NOR SOLDIERS ARE ALLOWED DOWN RANGE FOR ONE HOUR. 6. AT N+ ONE HOUR, THE RANGE				
			NCOIC CALLS RANGE CONTROL TO CLEAR THE LANE.				
	K. Fire Hazard	M	NCOIC/RSO ENSURES: 1. THERE IS NO SMOKING WITHIN 60 FT OF THE AMMUNITION POINT AND THAT THERE ARE TWO 10 LB FIRE	L	1. IAW MCOE Range and Terrain Regulation 350-19 2. IAW MCOE PM 385-6-13	NCOIC (SFC Smith); RSO (SSG Latham, SSG Henggeler , SSG Reed, SSG Tabor, SSG Rodriguez)	

ITEMS 5 THROUGH 12 CONTINUED:							
5. SUBTASK	6. HAZARDS	7. INITIAL RISK LEVEL	8. CONTROLS	9. RESIDUAL RISK LEVEL	10. HOW TO IMPLEMENT	11. HOW TO SUPERVISE (WHO)	12. WAS CONTROL EFFECTIVE?
Employ Hand Grenades			EXTINGUISHERS AVAILABLE. RSO/TOWER OPERATOR WILL: 2. NO FIRES HAVE STARTED DOWNRANGE DUE TO THE SOLDIERS'		3. IAW AR 385-63, policies and procedures for Firing Ammunition for Training, Target Practice, and Combat		
			GRENADe ACTIVITY. 3. A CEASE FIRE IS CALLED IF A FIRE HAS THE POTENTIAL TO CAUSE HARM TO SOLDIERS AND/OR DAMAGE RANGE		4. 2-29TH IN policies on range operation 5. Range safety brief to leaders		
			EQUIPMENT.				
	L. Alternate Tower Position (If Tower Window is Broken)	M	1. TOWER OPERATOR WILL BE MOVED TO THE RIGHT OBSERVATION WINDOW AT GROUND LEVEL. 2. THE PUBLIC ADDRESS SYSTEM WILL	L	1. IAW MCOE Range and Terrain Regulation 350-19 2. IAW MCOE PM 385-6-13	NCOIC (SFC Smith); RSO (SSG Latham, SSG Henggeler, SSG Reed, SSG Tabor, SSG Rodriguez)	
			BE USED TO CONTROL THE LIVE BAY OPERATION. 3. BAYS 2 & 3 WILL ONLY BE USED DUE TO THIS CHANGE.		3. IAW AR 385-63, policies and procedures for Firing Ammunition for Training, Target Practice, and Combat		
			4. NO PERSONNEL WILL BE ALLOWED INSIDE THE TOWER.		4. 2-29TH IN policies on range operation 5. Range safety brief to leaders		
	15. Improper Handling of Grenades with Confidence Clip Attachment (Premature Detonation, Injury to Soldier,	H	NCOIC AND RSO ENSURE: 1. TRAINEES ARE TAUGHT THE PROPER METHOD FOR ARMING A HAND GRENADE WITH A CONFIDENCE CLIP	M	1. IAW MCOE Range and Terrain Regulation 350-19 2. IAW MCOE PM 385-6-13	NCOIC (SFC Smith); RSO (SSG Latham, SSG Henggeler, SSG Reed, SSG Tabor, SSG Rodriguez)	
	Damage to Hand Grenade)		ATTACHED: THE PULL RING MUST BE ROTATED 1/4-1/2 TURN IN A CLOCKWISE DIRECTION TO SEPARATE FROM THE CONFIDENCE CLIP. THE		3. IAW AR 385-63, policies and procedures for Firing Ammunition for Training, Target Practice, and Combat		
			METHOD FOR ARMING ALL HAND GRENADES WILL BE TAUGHT THE SAME WAY, REGARDLESS OF WHETHER A CONFIDENCE CLIP IS		4. 2-29TH IN policies on range operation 5. Range safety brief to leaders		
			ATTACHED, DUE TO THE FACT TRAINEES COULD RECEIVE PRACTICE FUSES WITH CONFIDENCE CLIPS, AND LIVE GRENADES WITHOUT THEM.		6. TSP 071-J-0101		

ITEMS 5 THROUGH 12 CONTINUED:

5. SUBTASK	6. HAZARDS	7. INITIAL RISK LEVEL	8. CONTROLS	9. RESIDUAL RISK LEVEL	10. HOW TO IMPLEMENT	11. HOW TO SUPERVISE (WHO)	12. WAS CONTROL EFFECTIVE?
			RIGHT HANDED THROWERS WILL OBTAIN THE PROPER GRIP AND INSERT THE MIDDLE FINGER OF THEIR LEFT HAND THROUGH THE PULL RING				
			WITH THE PALM FACING TOWARDS THE SKY. THEY WILL THEN ROTATE THE PULL RING 1/4-1/2 TURN CLOCKWISE (TOWARDS THEIR BODY)				
			TO RELEASE THE RING FROM THE CONFIDENCE CLIP, AND THEN PULL TO SEPARATE THE PIN FROM THE GRENADE. LEFT HANDED THROWERS				
			WILL OBTAIN THE PROPER GRIP AND INSERT THE MIDDLE FINGER OF THEIR RIGHT HAND THROUGH THE PULL RING WITH THE PALM FACING				
			TOWARDS THE GROUND. THEY WILL THEN ROTATE THE PULL RING 1/4-1/2 TURN CLOCKWISE (AWAY FROM THEIR BODY), TO RELEASE THE RING FROM				
			THE CONFIDENCE CLIP, AND THEN PULL TO SEPARATE THE PIN FROM THE GRENADE.				
			2. TRAINEES ARE TAUGHT TO INSPECT THE HAND GRENADE BEFORE USE TO ENSURE THE OVERLAPPING PORTION OF THE PULL RING IS NOT POSITIONED				
			IN THE CONFIDENCE CLIP, WHICH COULD RESULT IN BINDING. 3. TRAINEES ARE WARNED THAT ROTATING PULL RING IN A COUNTER-				
			CLOCKWISE DIRECTION COULD RESULT IN BINDING AND AND DISTORTION OF THE PULL RING, AND POSSIBLY LEAD TO A PREMATURE				
			DETONATION, A FINGER LACERATION, OR DAMAGE TO THE GRENADE BODY. 4. TRAINEES ARE WARNED TO NOT ROTATE THE PULL RING TOO FAR OR				

ITEMS 5 THROUGH 12 CONTINUED:

5. SUBTASK	6. HAZARDS	7. INITIAL RISK LEVEL	8. CONTROLS	9. RESIDUAL RISK LEVEL	10. HOW TO IMPLEMENT	11. HOW TO SUPERVISE (WHO)	12. WAS CONTROL EFFECTIVE?
			THE PIN LEGS COULD BREAK AND THE PULL RING COULD WEDGE BETWEEN THE FUZE HEAD AND THE HIGH POINT OF THE CONFIDENCE CLIP.				
	M. Partial Detonation	H	5. IF FOR ANY REASON, THERE IS A "PARTIAL DETONATION" IN LIVE BAY i.e., PIT NCO WITNESSES BY SIGHT OR SOUND A DETONATION OF ANY TYPE	M	1. IAW MCOE Range and Terrain Regulation 350-19 2. IAW MCOE PM 385-6-13	NCOIC (SFC Smith); RSO (SSG Latham, SSG Henggeler, SSG Reed, SSG Tabor, SSG Rodriguez)	
			PRIOR TO THE SPOON DETATCHING, HE WILL IMMEDIATELY TAKE THE SOLDIER TO THE GROUND AND COVER HIM PREVENTING ANY TYPE OF		3. IAW AR 385-63, policies and procedures for Firing Ammunition for Training, Target Practice, and Combat	SSG Hammerstone, SSG Chargulaf, SSG Courtney, SSG Rodriguez, SSG Reed, SSG Latham, SSG Tabor	
			INJURY THAT MAY RESULT FROM THE GRENADE. THE PIT NCO WILL SIGNAL A CEASE FIRE TO THE TOWER. ONCE THE TOWER NCO ACKNOWLEDGES		4. 2-29TH IN policies on range operation 5. Range safety brief to leaders		
			THE CEASE FIRE SIGNAL HE WILL CALL IT OVER THE INTERCOM TO ENSURE ALL PITS COMPLY. THE RANGE NCOIC WILL CLEAR THE RANGE AND PLACE				
			EVERYONE UNDER COVER. THE RANGE NCOIC WILL THEN NOTIFY RANGE CONTROL AND THE QUALITY ASSURANCE AMMUNITION				
			SURVEILLANCE (QASAS) OF THE PARTIAL DETONATION.				



RECORD OF ENVIRONMENTAL CONSIDERATION (REC)



Date Submitted: 8/17/2012

EMD Number: 1223305 **Project#:** 17MALONE01 **Project Title:** Employ live hand grenades

Description of proposed action:

During this block of instructions soldiers will be required to employ live hand grenades, identification, conduct qualification course.

Project Location:

MALONE 01

Amount, Description, Location of Disturbance/Digging:

None

Number of Personnel:

220

Type of Ammunition:

Live, Fuse Practice Grenade, Smoke & 5.56MM,
Live and Blank

Number/Types of Trees:

None

Size of Project Area:

Duration of Action: Start: 10/1/2012 Stop: 9/30/2013

Proponent: christopher.m.morse 545-8594

Organization/Unit: E CO 2-29 S-3

Number/Types of Vehicles:

None

DECISION: Concur with conditions

This Action is adequately covered in the Existing EA titled: 'Ongoing Mission and siting Activities, USAIC, FT.Benning, GA.'

(NA): Training involving LIVE FIRE and tracked vehicles has NO CATEX -- "Ongoing Mission and Siting Activities, USAIC, Ft. Benning, GA."

REC APPROVED THROUGH 30 SEPTEMBER, 2013

CWA - Training

Conditions:

Leah Ropski (706 626 0492), 8/20/2012

Environmental Review: Caution within training areas and motor pools should be taken to protect all nearby waterways (including perennial, intermittent streams and wetlands); as well as ground surfaces and any other sensitive areas in the vicinity of the training areas. Potential spills/releases from this activity that may occur before and/or during the FTX include: 1. Discharge and/or improperly disposal of oil or hazardous substances into or upon land, water, or into ground water areas from storage, handling and/or transportation of hazardous materials/waste; 2. Vehicle/equipment/generators leaks; 3. Fuel loading/unloading/refueling operations; 4. Field mess facilities/equipment/operations, and/or 5. Ammunitions /explosives (as applicable, before and/or during the FTX).

General SPCC Requirements: Ensure all hazardous materials are properly storage to prevent spill/discharges, to meet safety requirements for storage, and that containers are not exposed to the weather. Have adequate spill response supplies available during exercise for any spills that may likely occur. Use drip pans under vehicles and provide secondary containment for any fueling activities and hazardous material/waste storage. Locate all refueling operations and storage of hazardous materials/waste away from waterways and sensitive areas. See attached section on prevention procedures and CHECKlist (Example Unit/Activity SOP for Training and Deployment) to be used during training exercise to comply with SPCC plan requirements. Ensure all wastewater from field mess equipment/operations particularly those involving oil/grease are collected and dispose properly. Do not discharge any wastewater into storm drains or dispose of oil/grease waste directly into land.

General ISCP Requirements: In the event of a spill/discharge -- notify Range Control by radio or call 544-6291, and they will notify E-911 for Fire Department/HAZMAT Team assistance and/or notification of the EMD office (Spill Beeper 706-317-6584). As appropriate, and if personnel are trained -- REACT to minimize spill damages. Submit a spill report to the EPMB Spill Program Manager (use Spill Response Report attached). All spills reaching navigable water must be reported immediately. The unit is responsible for the final cleanup of any spill during this exercise. Coordination with this office is required for clearance of the site.

EMD Number: 1223305

IJO#

Project Title: Employ live hand grenades

Hazardous Materials/Waste

Conditions:

Ted Williams (706 545 7579), 8/21/2012

Appropriate precautions must be taken to prevent hazardous material spills. Have adequate quantities of spill response supplies on hand. If a spill occurs use notification procedures as outlined in the Fort Benning Hazardous Waste Management Plan. Contain and clean up spill according to guidance provided by the Environmental Protection Management Branch. Any waste generated must undergo a waste stream analysis to determine appropriate management requirements. If any hazardous waste is generated it must be managed in accordance with Federal, State, Army and Fort Benning regulations.

Defective, misfired, or otherwise unserviceable munitions must be managed IAW/MCOE Reg.350-19-5-10, Para 9-2 (Proper management of Misfired munitions). All excess, munitions must be returned to the Ammunition Supply Point after the field exercise is completed. A dud shall not be removed from the range; it will be marked, called into range control and will be properly disposed of by EOD personnel IAW/MCOE Reg. 350-19, 23 Jul 2010.

Rubbish, empty containers and other waste (including used smoke/C2 canisters) should be removed from the training area after the training is completed. Contact EPMB for detailed information on the proper disposal of waste products resulting from the exercise. Contact POC below for any questions or additional guidance.

Noise

Conditions:

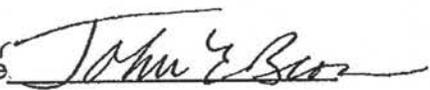
Ellis Leeder (706 545 2400), 8/20/2012

This is training operations that must be conducted. If there is any noise complaints received, the Environmental Management Division Installation Operational Noise Monitoring Program (IONMP) and or Public Affairs Office (PAO) programs will investigate and then recommending operational noise mitigation actions to the appropriate personnel for the training actions. In accordance with the Army's policy on environmental noise management, all efforts shall be made to minimize noise annoyances to the highest extent practicable with training operations without interfering with the proposed missions. Please follow the fly friendly program avoiding no fly zones. Please follow good smoke management practices not allowing smoke or dust to travel off Installation boundary into public areas or roads. Please increase distance between vehicles when dust conditions are extreme, see Table 5-3. CS gas use should be utilized in designated areas only, contact Range Control for a listing of approved sites. If any assistance or a copy of MCoE Regulation 350-19 or the IONMP noise plan is needed for review, please feel free to contact Ellis Leeder at 706.545.2400 or email eills.p.leeder.civ@mail.mil or visit the Range Control Website for the updated version of MCoE Regulation 350-19

Natural Resources - RCW

None

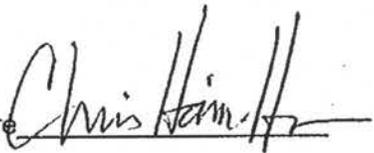
Michael Barron (706 544 7080), 8/20/2012

Signature 

John E Brown

NEPA Program Manager

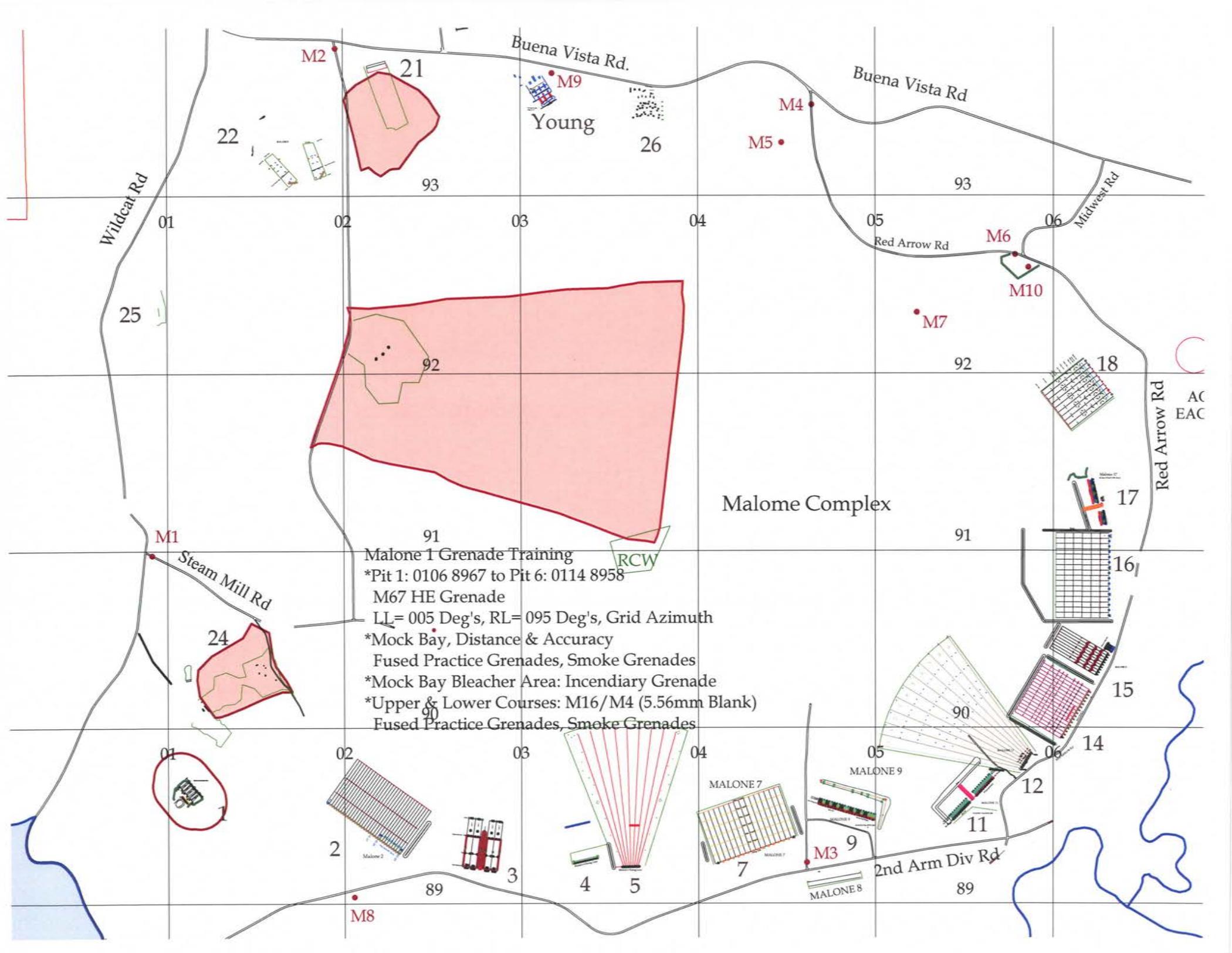
Date 21 AUG 2012

Signature 

Christopher E. Hamilton, PhD

EPMB Chief

Date 21 Aug 12



91
 Malone 1 Grenade Training
 *Pit 1: 0106 8967 to Pit 6: 0114 8958
 M67 HE Grenade
 LL= 005 Deg's, RL= 095 Deg's, Grid Azimuth
 *Mock Bay, Distance & Accuracy
 Fused Practice Grenades, Smoke Grenades
 *Mock Bay Bleacher Area: Incendiary Grenade
 *Upper & Lower Courses: M16/M4 (5.56mm Blank)
 Fused Practice Grenades, Smoke Grenades

AC
EAC