

**FIRING/NONFIRING DATA**

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

<b>TO:</b> Chief, Range Division, Directorate of Plans, Training, Mobilization and Security Fort Benning, GA 31905	<b>Date:</b> 16 July 2014 <span style="float: right; background-color: yellow;">Log # 8-6-14</span> <b>Range:</b> Pierce Range <b>Title:</b> IND/Buddy/Fire Team/Squad LFX (Day) IMT LFX Night <b>Problem No:</b>
<b>THRU:</b> S-3, 2-11 IN FT. BENNING, GA 31905	<b>FROM:</b> 2-11 IN / BOLC-B FT. BENNING, GA 31905

**SECTION I, TYPE OF TRAINING**

a. Live Fire     
  b. Non-live Fire     
 CP/Controller Coordinates: 9662 8238 (Tower)

**SECTION II, DEMOLITIONS/GRENADES/MINES/PYROTECHNICS**

Coordinates	Type	Model/DODAC	Size of Charges
SEE BELOW	Fuse, Hand Grenade Practice	M69: G878	N/A
	Grenade, Hand Smoke	M18: G940, G945, G950, G955	N/A
	Simulator, Hand Grenade, Artillery	M116A1: L601 M21: L602	N/A
	Flare, Ground and Aerial	M128A1: L323, L324	N/A

**SECTION III, WEAPONS/AMMUNITION REQUESTED**

Coordinates of Weapons Position	Type Weapon/Model Number	Type Ammunition	Left Limit	Right Limit
Start: 9668 8238 to 9654 8236	M16/M4 PEQ15, PVS14	5.56mm Ball/Blank Laser Aiming Device	Start 2730 mils	Start 3340 mils
Stop 9672 8216 to 9658 8214	M16/M4 PEQ15, PVS14	5.56mm Ball/Blank Laser Aiming Device	Stop 2460 mils	Stop 3740 mils

**SECTION IV, LIVE FIRE EXERCISES Attach the following:**

**SECTION V, NON-LIVE FIRE TRAINING**

<input checked="" type="checkbox"/> Scenario of training to be conducted: <input checked="" type="checkbox"/> Sketch of area: <input checked="" type="checkbox"/> Risk Assessment: <input type="checkbox"/> Attach FB Form 350-19-2-E-R if Mortar or artillery is being fired:	Training area(s) to be occupied:  <input type="checkbox"/> Scenario of training to be conducted: <input type="checkbox"/> Sketch of area(s) to be occupied: <input type="checkbox"/> Risk Assessment:
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Name/rank of requesting officer: ANDREW D. LUJAN CPT, IN <i>Michael Lowery Marshal S J for GS9</i>	Name/rank of Major Unit-S3/Commander: CHARLES T. CLIFFORD CPT, IN <i>[Signature] CPT/S3</i>
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**SECTION VI, FOR RANGE DIVISION USE**

**DATE:** 23 SEP 14

<b>TO:</b> S-3 2-II IN FT. BENNING, GA 31905	<b>FROM:</b> Range Division, Directorate of Plans, Training, Mobilization and Security Fort Benning, GA 31905
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<b>a. Roadblocks to be closed:</b> <b>b. Road(s) to be closed/road barrier locations:</b> <b>c. Remarks:</b> <b>d. This approval expires:</b> 22 SEP 16	A18, A38, A39, A40, A41, A40A BYE.  Laser Warning Signs will be in place prior to use.
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Chief, Range Division  
Directorate of Plans, Training, Mobilization and Security *Brady S. Tesch*



**DEPARTMENT OF THE ARMY**  
HEADQUARTERS UNITED STATES ARMY MANEUVER CENTER OF EXCELLENCE  
1 KARKER STREET  
FORT BENNING, GEORGIA 31905-5000

REPLY TO  
ATTENTION OF  
ATZB-SO

11 September 2014

MEMORANDUM FOR Commander 2/11<sup>th</sup> IN Bn, Attn: CPT Charles Clifford, Fort Benning, GA 31905

SUBJECT: 2-11th IN Bn (IBOLC) Individual/Buddy Team/Fire and Squad Live Fire Exercise CONOP and DRAW Safety Review

1. References.

a. 2-11th IN Bn (IBOLC) Individual/Buddy Team/Fire and Squad Live Fire Exercise CONOP (12 August 2014) and DRAW (2014)

b. Army Regulation 385-10, The Army Safety Program, 27 November 2013.

c. Army Regulation 385-63, Range Safety, 30 January 2012.

d. Department of the Army Pamphlet 40-501, Hearing Conservation Program, 10 December 1998.

e. Department of the Army Pamphlet 385-10, Army Safety Program, RAR 19 January 2010.

f. Department of the Army Pamphlet 385-30, Mishap Risk Management, RAR 01 February 2010.

g. Department of the Army Pamphlet 385-63, Range Safety, 16 April 2014

h. Army Techniques Publication 5-19, Risk Management, 14 April 2014

i. MCoE Regulation 350-19, Range and Terrain Regulation, 01 March 2013

2. Document received on 05 September 2014.

3. Concur w/comment.

a. SOP, paragraph 5d(1) & (4), pg 3. The verbiage in this paragraph is not support by the highlighted, bolded red font, which states: "The night live fire will not involve any maneuver". Each example involves Individual movement techniques which is movement/maneuver of the Soldier against a unidentified enemy position.

ATZB-SO

SUBJECT: 2-11th IN Bn (IBOLC) Individual/Buddy Team/Fire and Squad Live Fire Exercise CONOP and DRAW Safety Review

b. SOP, pg 1-6. The control measures identified are the physical presences of a safety and phase lines. Is there any additional means of control (whistle, star cluster, bull horn, etc?) on the lane?

c. SOP. Maneuvering live fire requires command presence and oversight two levels above the unit being trained.

d. RMW, Block 11, pgs 6. Recommend that you add "Individual" to the "How to Supervise" matrix (Range/Scenario/General Situational Awareness, Hand, Eye and Ear Injuries, Hearing Loss, falls, Soldier Fatigue and/or Lack of Alertness, Negligent Discharge, Eye Injuries, Fratricide, etc.), holding the individual Soldier accountable for his actions and/or inaction in the accident causation model.

e. RMW, Block 11, pgs 3. Recommend that you add "Individual" to the How to "Soldier Fatigue and/or Lack of Alertness", recommend that the Initial and Residual Risk Levels be elevated to "HIGH" and "MODERATE" to reflect purpose of the course which is occurring.

f. RMW, Blocks 6 & 9, pg 4. "Fratricide", recommend that the Initial and Residual Risk Levels be elevated to "HIGH" and "MODERATE" to reflect the severity and intended purpose of the action.

g. RMW, Blocks 6 & 9, pg 4. "Night IMT LFX", recommend that the Initial and Residual Risk Levels be elevated to "HIGH" and "MODERATE" to reflect the complexity and risk to limited visibility operations with Soldiers with a limited experience level.

h. RMW, Block 8, pg 5. "Night IMT LFX", recommend that you add additional control measures to the matrix, such as a minimum of 80% illumination.

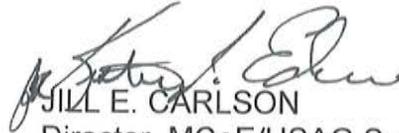
i. RMW. There are no comments on the handling or employment of pyrotechnics (G940, G950, G955, L601, L323 or L324) in and around Soldiers.

4. The full implementation of the Army Techniques Publication 5-19, Risk Management and DD Form 2977, is effective immediately. The DD Form 2977 has replaced the DA Form 7566. The mandatory use of the 2977 is predicated upon the attrition of each form renewal, change in the risk approval authority, or document update.

ATZB-SO

SUBJECT: 2-11th IN Bn (IBOLC) Individual/Buddy Team/Fire and Squad Live Fire Exercise CONOP and DRAW Safety Review

5. Point of contact is Mr. Michael W. Risher II, MCoE/Fort Benning Safety Office, Comm. (706) 545-8278, Govt. Cell. (706) 604-7249, [michael.w.risher.civ@mail.mil](mailto:michael.w.risher.civ@mail.mil)



JILL E. CARLSON  
Director, MCoE/USAG Safety



DEPARTMENT OF THE ARMY  
HEADQUARTERS, 2<sup>ND</sup> BATTALION, 11<sup>TH</sup> INFANTRY REGIMENT  
6649 VIBBERT AVENUE  
FORT BENNING, GEORGIA 31905-6221

ATSH-TPB-S3

12 August 2014

MEMORANDUM FOR Chief, Range Division Fort Benning GA 31905

SUBJECT: 2-11 IN Live Fire Scenario for Pierce Range Individual, Fire Team, and Squad Tactical Training (Day and Night)

1. TASK: Conduct Individual, Fire Team, and Squad Tactical Training/Movement Techniques (Live Fire, Day) and a Night Individual Movement Technique Live Fire.
2. PURPOSE: To ensure that all Soldiers are proficient in the concept of Individual, Fire Team, and Squad movement under direct fire.
3. ENDSTATE: All Soldiers understand how to move under direct fire while engaging targets with their individual weapons.
4. CONDUCT OF THE RANGE:
  - a. Range Cadre will clear the range and form the company up in the bleachers for a safety briefing and range orientation.
  - b. The range consists of five lanes, accommodating one (1) or two (2) Soldiers per lane. Each lane will have a lane safety NCO who will move behind the Soldiers in that lane. This will allow the Range Safety Officer, who will be located in the tower to monitor progression of each lane. Once the RSO has received a ready status from each lane safety, he will then instruct all lanes to lock and load their weapons. At this, lane safeties will take control of their respective lanes and ensure that at no time will two Soldiers move or bound within that lane simultaneously. Lane safeties will observe each Soldier as they move from position to position, after the other Soldier in their lane is safely in position.
  - c. Soldiers will lock and load at the baseline of the range. Soldiers will move with their weapons at the Low-Ready at all times, unless conducting the Modified High Crawl or Low Crawl movement techniques.
  - d. The Modified High Crawl in which the barrel stays generally oriented down range and within range limits. The Low Crawl, when properly executed, maintains the orientation of the weapon down range and causes no safety concerns.
  - e. Soldiers will only execute the day live fire iteration after they have demonstrated that they can successfully and safely negotiate the lane during dry and blank fire. Soldiers will only execute the night live fire after a successful day iteration. **The night live fire will not involve any maneuver. The Soldiers will be stationary when they fire.**

## 5. CONCEPT OF THE OPERATION:

a. Once all Soldiers have received the range safety brief, orientation briefing, and Cadre Demonstration, the first firing order will move to the ammo point where they will draw two (2) 20 round magazines of ammunition and two (2) fused practice hand grenades. The first firing order will then move in pairs to their respective lanes. All remaining Soldiers will stage in squad size elements in the wooded area behind the ammo point or in an area designated by the Range Safety Officer. Once there, they will stage behind the courtyard wall façade. Once all lanes being used are set and a ready signal has been relayed to the Range Safety Officer in the tower, the RSO will give the command to lock and load. The lane safeties will then instruct the Soldiers in their lane to begin. The Soldiers will negotiate the lane in the following order:

### b. PHASE ONE: MOVEMENT TO CONTACT

(1) Once each Soldier is set on the left and right side of the shoot house wall in their lane, the RSO will give the order to lock and load, then the Lane Safety NCO will order them to begin their movement to contact.

(2) Buddy/Fire Team concept: use lanes 1-2,4-5, lane 3 will be used by the safety to maintain control of the Soldiers moving down range.

(3) Soldiers will move from covered position to covered position utilizing Individual Movement Techniques to include the 3-5 second rush, Modified High Crawl, and low crawl while engaging targets at the 90 meter line. The Lane Safety NCO will ensure that neither Soldier moves more than two (2) positions in front of the Soldier in that lane.

(4) The Lane Safety NCO will also ensure that the Soldiers in his lane do not move more than two (2) positions in front of the Soldiers in the next lane.

(5) Lane Safety NCO will ensure that Soldiers do not engage any targetry within 30 meters.

(6) The Lane Safeties will not allow any firer to move beyond each Phase Line until all firers are on line. The Phase Lines will be marked with 4"x4" posts painted with the corresponding color of each Phase Line. The Phase lines are as follows:

I. Phase Line Red – Located at the 100m line of targets

II. Phase Line White – Located at the 150m line of targets

III. Phase Line Blue – Located at the front edge of the ditch that is located in front of the targets at the 200m line.

(7) The Soldiers will continue to execute the Individual Movement Techniques to covered positions up to the 200m line while engaging the 200 meter targets.

(8) Upon reaching the 200 meter line, Soldiers will employ the Practice Hand Grenades. Each Soldier will attempt to throw a Practice Hand Grenade through the window façade located to the side of the 200 meter target. Each Soldier will have two attempts to complete this task.

(9) Upon completion of the grenade throw, each Soldier will stand by to move to the limit of advance located behind each target at the 220 meter line identified by the sand bag toe lines.

### c. PHASE TWO: COUNTER ATTACK

(1) Once each Soldier is set at the toe line that will engage the three target presentations at the 250 meter line utilizing quick fire techniques.

(2) Once the Soldiers have engaged all targets or expended all ammunition, they will stand by for each lane to complete the iteration.

(3) Once all lanes have finished, they will clear their weapons and conduct a dry fire drill under the supervision of the lane safety.

(4) Once all Soldiers have executed the dry fire drill they will move to lane 3 and return to the clearing barrels located at the base of the tower. Soldiers will carry their weapons at the low ready position.

(5) Once the Soldiers reach the base of the Tower, they will clear their weapons utilizing the four

(6) Clearing barrels located at the base of the Tower (Lane Three) in accordance with Fort Benning Clearing Barrel Policy. Each Lane Safety NCO will ensure Soldiers have executed correct clearing procedures before they are released from the base of the Tower.

#### d. PHASE THREE: NIGHT INDIVIDUAL MOVEMENT TECHNIQUE LIVE FIRE

(1) Once each Soldier has successfully executed the Dry, Blank, and Live Day Iteration they will be authorized to execute the Individual Movement Technique Live Fire under limited visibility conditions.

**\*\*\*NOTE\*\*\* The night live fire will not involve any maneuver. The Soldiers will be stationary when they fire.**

(2) Once each Soldier is set on the left and right side of the shoot house wall in their lane, the RSO will give the order to lock and load, then the Lane Safety NCO will order them to begin their movement down the lane

(3) Night Individual Movement Technique Live Fire Concept: Two soldiers will be in lanes: 1, 2, 4, and 5. a safety will be in the center lane 3 to supervise movement down the lane. There will be a safety for every two soldiers on the lane. Each safety will be marked with a green chemlight.

(4) Each Soldier will execute Individual Movement Techniques up to Phase Line Red (100m). There the center safety will confirm from all lane safeties that all the soldiers are on line at Phase Line Red. The center safety will then raise the targets at the 150m and 200m mark.

(5) Once the Soldiers have engaged all targets or expended all ammunition, they will stand by for each lane to complete the iteration.

(6) They will be cleared with a white light while in position. Once clear, they will move towards the tower and off the range.

(7) If illumination is below 80% the targetry will be marked with IR chemlights located center mass of the presented silhouettes. The targets will not be marked if the illumination is above 80%.

#### 6. SAFETY CONTROL MEASURES

a. The Range OIC, RSO, and Lane Safeties will ensure that the above scenario is conducted with extreme regard for safety. At any time an unsafe act is committed the range will cease fire until the action is corrected.

b. The Range OIC or RSO will conduct a safety briefing to all personnel on the range prior to any training taking place. The RSO or OIC will ensure that all personnel know the universal signal for cease fire and understand that anyone observing an unsafe act has the authority and the obligation to call a cease fire.

c. The Range OIC and RSO will ensure that qualified medics are on station with an FLA prior to firing the above scenario with live ammunition.

d. All personnel will be briefed on MEDEVAC procedures in the event of a serious injury.

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e. Prior to firing the Blank iterations, all Lane Safety NCO's will visually inspect each firer to ensure that they do not have any live ammunition and that their Blank Firing Adapter is installed on their weapon.

f. Prior to firing the Live Fire iteration, all Lane Safety NCO's will visually inspect each firer to ensure that they do not have any blank ammunition and that their Blank Firing Adapter has been removed from their weapon.

g. The Ammunition Point NCO will ensure that Blank and Live ammunition is not mixed and remains separated.

h. The Lane Safety NCO will also ensure that the Soldiers in his lane do not move more than two (2) positions in front of the Soldiers in the next lane.

i. The Lane Safeties will not allow any firer to move beyond each Phase Line until all firers are on line. The Phase Lines will be marked with 4"x4" posts painted with the corresponding color of each Phase Line. The Phase lines are as follows:

(1) Phase Line Red – Located at the 100m line of targets

(2) Phase Line White – Located at the 150m line of targets

(3) Phase Line Blue – Located at the front edge of the ditch that is located in front of the targets at the 200m line.

j. Once all lanes have finished the iteration, they will clear their weapons and conduct a dry fire drill under the supervision of the Lane Safety. Once all Soldiers have executed the Dry Fire Drill they will move to lane 3 and return to the clearing barrels located at the base of the Tower. Soldiers will carry their weapon at the low ready position.

k. Once the Soldiers reach the base of the Tower, they will clear their weapons utilizing the four clearing barrels located at the base of the Tower (Lane Three) in accordance with Fort Benning Clearing Barrel Policy. Each Lane Safety NCO will ensure Soldiers have executed correct clearing procedures before they are released from the base of the Tower.

l. All weapons clearing conducted at night will be confirmed with white light by the range Cadre.

m. All Lane Safeties will wear PVS-14's and have a source of white light while conducting the night iterations.

n. When an International Student is executing the scenario an additional safety will be assigned specifically to that student.

o. All Lane Safeties will have a MACOM radio on the company internal frequency for communication with the other lanes and the Tower.

## 7. COMMAND AND CONTROL

a. The Company Commander will certify all Lane Safeties / OIC's for Live Fire Exercises prior to the dry fire phase.

b. The range will be policed of all brass before and after all blank and live iterations.

c. Cadre will inspect all weapons for serviceability and functionality prior to the execution of each iteration.

d. Range personnel will consist of the following:

(1) One (1) Officer in Charge (OIC)

(2) One (1) Range Safety Officer (RSO)

(3) One (1) Lane Safety NCO per lane

(4) Medics with FLA

(5) CLS of BFR certified personnel with CLS equipment

(6) Ammo Point NCO

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e. All Soldiers will wear Interceptor Body Armor (IBA) and Advanced Combat Helmet (ACH) while executing dry, blank, and live fire iterations.

f. All Cadre will wear Interceptor Body Armor (IBA) and Advanced Combat Helmet (ACH) while executing dry, blank, and live fire iterations.

g. All Soldiers will conduct a Five-Point Safety Check prior to moving from one position to the next. The Five-Point Safety Check consists of the following:

- (1) Place the weapon on safe
- (2) Close dust cover/ejection port cover
- (3) Identify next covered and concealed position
- (4) Look left
- (5) Look right

h. Live and blank ammunition will remain separated and opened only before utilization to ensure blank and live ammunition does not get mixed.

i. If a Soldier experiences a weapon malfunction during a live fire exercise, the Soldier will first try to correct the malfunction by performing immediate action followed by remedial action. If that does not work, the range will be put into a cease fire and the Soldier along with the weapon

will be removed from the range. The cease fire will not be lifted until the Soldier along with his weapon is removed from the range.

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

9. Unit will use the standard 9 Line MEDEVAC in case of illness or injury. Call 911 and determine what type of evacuation is the most appropriate for the injury. 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. Using units higher Headquarters and Range Division Alpha Base will be notified in this event.

10. When an incident occurs on the range, regardless of injury or not, the OIC/RSO will immediately report it to Range Division Alpha Base and the using units higher Headquarters. The following information will be furnished by the OIC/RSO to Range Division Alpha Base:

- a. Designation of unit
- b. Range location
- c. Type of weapon involved
- d. Type of ammunition involved
- e. Brief summary of what happened
- f. Personnel injuries and extent
- g. Full name, SSN, Rank and unit of injured personnel
- h. Extent of property damage
- i. Intentions regarding an AR 15-6 investigation

11. Units must have an approved Composite Risk Management Worksheet signed by Post Safety before use of this range.

12. There will be no deviations from this packet unless approved by Range Division.

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Subject: 2<sup>nd</sup> Battalion, 11<sup>th</sup> Infantry Regiment Instructor Certification SOP

13. Point of contact for this memorandum is SFC Michael L. Arthur and can be reached at (706) 545-4281 or [michael.l.arthur4.mil@mail.mil](mailto:michael.l.arthur4.mil@mail.mil).

A handwritten signature in black ink, appearing to read 'C. T. Clifford', is written over the typed name.

CHARLES T. CLIFFORD  
CPT, IN  
Battalion S3







**Pierce Range 2-11 IN Buddy/Fire Team LFX (Log #8-6-14) Roadblock List , 23 Sept 2014**

BLOCK	GRID	LOCATION	TYPE
A-1	FA 911 792	Across firebreak 275m down Fiske Range at right end of old KD berm. Permanently closed.	Cable
A-2	FA 910 783	Off Sightseeing Road on unnamed trail opposite of entrance to LRC.	Gate
A-4	FA 925 766	Off Sunshine Road 1,200m W of entrance to Grandstaff Range.	Gate
A-5	FA 936 762	Across entrance road to Grandstaff Range, 10m N of Sunshine Road.	Gate
A-6	FA 939 763	Off Sunshine Road 150m W of Oswichee Creek. Permanently closed.	Cable/ Berm
A-8	FA 968 740	Across unnamed trail 30m N of Sunshine Road and 800m N-W of entrance to Griswold Range.	Gate
A-10	GA 018 730	Across entrance road to Flint Range. 50m N of Sunshine Road.	Gate
A-11	GA 019 731	Across Lumpkin Trail 30m N of its intersection with Sunshine Road.	Gate
A-11A	GA 032 729	Rd guard pos # 2 for Garnsey Rng Obj 'E' (intersection Jamestown/Sunshine Rd's).	Rd Grd #2
A-12	GA 033 742	Across Garnsey Road 50m W of its intersection with Jamestown Road.	Gate
A-12A	GA 029 744	Across Garnsey Road 400m W of A-12 Roadblock.	Gate
A-12B	GA 028 741	Across trail 150m S-W of A-12A Roadblock. 50m S-W of Garnsey Range Bldg.	Gate
A-12C	GA 036 746	Road guard position # 3 for Garnsey Rng Objective 'E' (Jamestown at Lightning Rd).	Rd Grd #3
A-13	FA 936 762	Across Sunshine Road 10m E of the entrance to Grandstaff Range (Road guard location).	Gate
A-14	FA 974 733	Across Sunshine Road 10m W of the entrance to Griswold Range. (Road guard location).	Gate
A-15	GA 021 799	Across entrance road to Buchanan Range.	Gate
A-15A	GA 021 798	Across Good Luck Rd. 20m W of Jamestown	Gate
A-15B	GA 022 796	Road guard position # 1 (for Garnsey Rng Objective 'E') on Jamestown Road 150m S of Goodluck Road.	Rd Grd #1
A-18	FA 993 828	Across Buckeye Rd 225m S of its intersection with 1st Div Rd. and 50m E of entrance to Duke Range.	Gate
A-19	FA 973 825	Across entrance road to Patton Range 400m S of its intersection with 1st Div Rd.	Gate
A-20	FA 974 827	Across entrance to Dianda Range, 140m N of A-19 gate (entrance to Patton Range).	Gate
A-22	GA 015 817	Across unnamed trail 175m N of Krilling Range and 10m W of Jamestown Road.	Gate
A23	FA 983 756	Across Lumpkin Trail 200m E of Griswold Range.	Gate
A-23A	GA 005 748	Across Lumpkin trail 50m N-W of Objective 'E' on Garnsey Range.	Gate
A-23B	GA 005 747	Across un-named trail 50m S of A-23A gate on W side of Lumpkin trail.	Gate
A-24	GA 015 811	Across Un-named trail, 10m inside S entrance gate to Krilling Range.	Gate
A-25	GA 016 789	Across fire break 10m W of its intersection with Goodluck Road.	Gate
A-26	GA 013 798	Across firebreak on Left side of Buchanan Range 50 meters S of chow area.	Cable
A-27	GA 018 805	Across unnamed tri 175m N of intersection of Hourglass and Jamestown Roads.	Gate

BLOCK	GRID	LOCATION	TYPE
A-28	GA 012 774	20 meters W of Yankee road on south side of Galloway Range.	Gate
A-28A	GA 011 776	30 meters S of Galloway Range Tower.	Gate
A-30	GA 026 758	Across fire break leading to Garnsey Range. 120m S-W of Brann Flat Range.	Gate
A-30A	GA 027 758	Across trail leading to Garnsey Range 50m E of A-30 Roadblock.	Gate
A-31	GA 020 745	Across fire break leading to Brann.	Cable
A-32	FA 989 724	Across entrance road to Kunzig Range.	Gate
A-33	FA 974 734	Across entrance road to Griswold Range.	Gate
A-33A	FA 979 739	150m N-W of Target Systems bldg on trail leading to MTC on Griswold Range.	Gate
A-33B	FA 982 739	20m N-E of Target Sys bldg on trail running on west side of bldg on Griswold Range.	Gate
A-34	FA 947 760	Across entrance to Minter Hill 700m E of Oswichee Creek.	Gate
A-38	FA 952 816	Across fire break 200m down range of firing line on Red Cloud Range on Left side of range.	Cable
A-39	FA 956 822	Across unnamed trail 200m S of bldgs on Left side of Buckner Range.	Cable
A-40	FA 967 823	Across fire break 100m down range on the left side of Pierce Range.	Gate
A-40A	FA 965 824	Across fire break on the right side of Pierce Range 10m E of the entrance road.	Gate
A-41	FA 972 820	Across fire break located on the rightside of the firing line on Patton Range.	Cable
A-42	FA 978 820	Across fire break located on the left side of the firing line on Patton Range.	Cable
A-43	FA 983 823	Across fire break located on the right side of Booker Range Firing Line	Cable
A-44	FA 986 823	Across fire break 100m E. of the 25m flat range on Booker Range	Gate
A-45	FA 990 827	Across fire break located 40m W of the right side of Duke Range Firing Line	Gate
A-45A	FA 991 829	Across Booker Breach site entrance road 200m W of Duke Rng entrance gate.	Gate
A-46	FA 984 832	Across unnamed trail 110m W of the intersection of 1st Div Rd and Ivy Rd.	Gate
A-47	FA 990 833	Across unnamed trail 500m W of the intersection with 1st Div & Buckeye Rd's.	Gate
A-48	FA 995 827	Across fire break located on the right side of the firing line on Porter Range.	Cable
A-49	FA 998 827	Across fire break located on the left side of the firing line on Porter Range.	Cable
A-50	GA 000 830	Across unnamed trail 200m W. of entrance to Maertens Range.	Gate
A-51	GA 031 791	Barrier on Furman Rd.	Barrier 1
A-52	GA 034 776	Barrier on Yankee Rd.	Barrier 2
A-53	GA 035 776	Gate to Cole Range.	Barrier 3
A-54	GA 046 749	Barrier off Lightning Rd on unnamed trail.	Barrier 5
A-55	GA 057 759	Barrier off Lightning Rd on unnamed trail.	Barrier 4

### COMPOSITE RISK MANAGEMENT WORKSHEET

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

1. MSN/TASK IMT/ Fire Team/ Squad LFX and Night IMT LFX	2a. DTG BEGIN 20140801	2b. DTG END 20140731	3. DATE PREPARED (YYYYMMDD) 20140801
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4. PREPARED BY		
a. LAST NAME Bullock, Horace J.	b. RANK SFC	c. POSITION Training Team II

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 EFFEC-TIVE?
	Range/Scenaro/General Situational Awareness	M	The Range NCOIC and Safty Officer (RCO) will: 1. Read and review the risk managemnt worksheet.	L	IAW MCOE Range and Terrain Regulation 350-19 IAW MCOE PM 350-6-22 IAW MCOE PM 348-6-11	NCOIC/OIC/RSO	
			2. Record daily environmental and condition changes on the daily risk assessment. 3. Ensure cadre combat lifsaver and a dedicated CASEVAC vehicle are available		IAW 2-11 IN LFX Policy and FB Form 350-19-3-R		
			on the day of blank and dry fire. 4. Ensure that dedicated medics are available and properly prepared on days of live fire. 5. Ensure that observer controllers have been				
			validated on the execution of the scenario outlined on the FB 350-19. 6. Review 199th in BDE evacuation criteria and CASEVAC procedures to include the				
			evacuation of hot and cold waether injuries. Soldiers within striking distance of lighting and anything beyond the CLS or medics ability to treat.				
			Review the criteria and procedures for air MEDEVAC to include procedures for evacuating heat and cold injuries.				

Additional space for entries in Items 5 through 11 is provided on Page 2.

13. OVERALL RISK LEVEL AFTER CONTROLS ARE IMPLEMENTED (Check one)

LOW
  MODERATE
  HIGH
  EXTREMELY HIGH

14. RISK DECISION AUTHORITY			
a. LAST NAME Grantz, John M.	b. RANK LTC, IN	c. DUTY POSITION Battalion Commander	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 EFFEC-TIVE?
	Hand, Eye and Ear Injuries	M	1. All personnel will wear ballistic eye protection and leather gloves for all interations (dry, blank, and live).	L	IAW 2-11 IN TACSOP IAW/2-11 Range Procedures and direct supervision of the NCOIC	NCOIC/OIC/RSO	
			2. All personel will utilize proper hearing protection foe all interations of dry, blank, and live fire scenarios.		DA PAM 40-501 MCOE PAM 382-19 AR 385-10		
			3. RSO will ensure that extra eye and hearing protection is available without penalty. 4. All personel using star pyrotechnices for signaling will be required to demonstrate their				
			proper use of equipment.				
	Fire/Explosion in ASP / Mix of Blank and Live Ammunition	M	1. The only personnel with unaccompanied access to the ASP will be the OIC, NCOIC, RSO and ASP NCOIC. All ammunition will be stockpiled, sorted distributed and re-collected	L	IAW AR 385-64 IAW TRADOC Regulation 700-2 IAW TM 9-1300-206	NCOIC/OIC/RSO	
			under the direct supervision of the ASP NCOIC. 2. The ASP NCOIC will maintain at least two 10:BC fire extingusher at a clearly visible		IAW 2-11 IN BN Ammunition distribution and collection SOP		
			location in proximity to the ASP. 3. The ASP NCOIC will post signs on all four cardinal directions of the ASP that prohibit smoking within 100 meters of the ASP.		IAW TM 9-1370-207-10		
			4. All vehicles transporting ammunition will be operated by HAZMAT certified personnel.				

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?
	Range Fires	M	will supervise the clearing of open bolt weapon system. Individual small arms (M4, M16) will be buddy cleared at the limit of advance prior to exfil.	L	IAW 2-11 IN Live Fire SOP; PCC/PCIs	NCOIC/OIC/RSO	
			1. Range NCOIC will ensure that all fire fighting equipment is brought tot he training area during PCI/PCC. 2. Only cadre will attempt to put out fires that				
			are outside of the impoact area. 3. Fires within the impact area will not be disturbed, but rather just monitored and reported to the range operatins.				
			4. At any sign of sympathic deonations all efforts to eliminate a range fire will be ceased, and forestry will be called for assistance.				
	Hearing Loss	M	Platoon trainers ensure all students and cadre are wearing hearing protection during blank and live fire exercises. Extra ear plugs will be brought to the range.	L	All personnel will wear ear protection during BFX and LFX. DA PAM 40-501	NCOIC/OIC/RSO	
	Falls	M	Range safty officer will issue a safty briefing to all students prior to the start of training. Range safty officer will include an orientation of the training area.	L	Students will be advised of the hazards of the terrain and given a safty briefing.	NCOIC/OIC/RSO	
	Soldiers fatigue and/or lack of alertness	M	IAW MCOE Policy 350-19: Students will be given a class in their first on proper nutrition and the ways to maximize the effectiveness os the caloric	L	Students will be informed on the proper balance of nutrition and exercise IAW FBAPFS.	CDR/ISG/PLT Trainers	
			intake. All participants will receive a minimum of 6 hours of sleep during each 24 hour time period. Platoon trainers will ensure that students receive three meals per day.		Students will get 3 meals to maintain a good caloric intake. PLT Trainers will montonior student rest.	CDR/ISG/PLT Trainers	
	Negligent Discharge	H	Range Safty officer will issue a safty brief prior to start of training. Platoon trainers will strictly enforce weapons safty and class V accountability before, during, and after all LFX.	M	Cadre will ensure students follow all weapons safty procedures. Individuals will continually montor their wpn.	NCOIC/OIC/RSO/PLT Trainers	
			Platoon trainers will ensure that students receive six hours of undisturbed sleep prior to execution of live fire exercise.				

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?
	Eye Injuries	M	IAW 2-11 Ballistic Eye Protection SOP; All students will wear eye protection while moving in a feild environment or firing a weapon.	L	Cadre enforces the wear of eye protection to prevent eye innjury or loss of sight.	NCOIC/OIC/RSO	
	Exploding Rounds	M	Platoon trainers ensure students follow proper unloading procedures while conducting misfire procedures.	L	Platoon trainers will go over the proper mis fire procedures.	NCOIC/OIC/RSO	
	Fratricide	M	1. Primary Instructor (PI) and platoon trainers validate range operation during company train-up	L	IAW MCOE 350-19 IAW 2-11 IN Bn Live Fire SOP Direct Supervision	CDR/1SG/NCOIC/OIC/ RSO/Cadre, Individual	
			2. Platoon trainers conduct range reconnaissance prior to training. Primary Instructor, Company Commander, and 1SG confirm that target array supports range fans				
			and surface danger zones IAW FB Range Control.				
			3. Platoon trainers ensure that all furies have completed zeroing and familiarization with all				
			weapon systems.				
			4. Company commander ensure that all platoon trainers have rehearsed the training prior to execution with platoon cadre and				
			conducted servised erheals w/squads.				
			5. Platoon trainers will ensure that all students receive six hours of undisturbed sleep, the night before training.				
			6. PI ensure target operator conduts rehearsal prior to execution of Dry Fire. PI conducts daily target operator rehearsals upon personel shift change, prior to continuation of training.				
			7. Primary Instructor will ensure that a medic with FLA is present during all iterations of execution of live fire training. Primary instructor will ensure that driver for CAS-EVAC has				
			been designated and is rehearsed on EVAC routes prior to start of training.8. All weapons will be visually inspected be Cadre prior to coming off the firing line.				

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?
			9. Cadre & students will wear ACH, eye protection, hand protection, and IBA for LFX. 10. Platoon trainers will certify all firs on load, fire, perform immediate action and clear				
			weapons prior to the execution of training. 11. Cadre will rod and inspect all weapons. 12. All students will complete training on load, fire, perform immediate action and clearing all				
			weapon systems that they will use.				
	Environmental Conderations	H	Refer to 2-11 environmental conderations CRMW.	M	Environmental conderations CRMW is on site and adhered to.	CO PI/ CO CDR/ISG	
	Night IMT LFX	H	1. Every student when conducting the Night Fire will have a dedicated cadre member observing their actions on the lane	M	OIC briefs cadre on their roles a nd responsibilities for the Night LFX	OIC/RSO	
		M	2. Range Safty officer will issue a safety briefing to all students prior to the start of training. Range safty officer will include an orientation of the training are and night hazards	L	Students will be advised of the hazards of the terrain and given a safty briefing.	OIC/RSO	
		M	3. Platoon trainers ensure that all furies have completes zering and familiarization with all their night optics and lasers	L	OIC recieves verification from the Cadre that all weapons have been zeroed	OIC/RSO/PLT Cadre	
		M	4. All targets are marked with glint tape and IR chenlights 5. Students have identified the left and right range fans	L	OIC and RSO confirm range setup prior to execution	OIC/RSO	
		M	6. Cadre and Students condut PCCs/PCIs on PVS-14s and PEQ-15s to ensure proper function for the Night LFX	L	OIC receives confirmation form Cadre that PCIs, PCCs have been conducted	OIC/RSO/PLT Cadre	
		M	7. All Cadre wear PVS-14 and an IR chemlight on the rear of their ACH to help identify themselves and control progression down the lane	L	OIC confirms all Cadre walking the lane and have wearing PVS-14s wearing the IR Chemlight	OIC/RSO/PLT Cadre	

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?
		M	9. Medics place a cross of two red chemlights on the dedicated CASEVAC vehicle to help identify themselves during the night	L	OIC and RSO verify the medics have properly placed their red chemlights on their vehicle prior to execution	OIC/RSO	
		M	10. All students will be cleared from the range using a white light by a designated cadre member prior to leaving the range	L	OIC designates a cadre member to clear on students prior to leaving the range and briefs the students	OIC/RSO	
		M	11. All students will have already conducted the TM LFX (Day) prior to executing the night IMT LFX	L	OIC will verify from PLT Cadre that all students have executed the TM LFX prior to the Night IMT LFX	OIC/RSO	
	Injury from use of Pyrotechnics	M	Cadre wear and use PPE when employing pyrotechnic devices. Simulators will not be thrown within 35 meters of students. Students will wear approved PPE during training event.	L	1. IAW 2-11 Uniform SOP 2. IAW RSO Safety Brief	OIC/RSO/NCOIC/PLT Cadre	



# RECORD OF ENVIRONMENTAL CONSIDERATION (REC)



Date Submitted: 9/9/2013

EMD Number: 1325211

Project#: N/A

Project Title: Basic Tactical Training

Description of proposed action:

Basic Tactical Training with buddy team fire and movement, mortar pit assault, and bunker assault.

Project Location:

Malone 3, Pierce, Galloway, Shelton Range

Amount, Description, Location of Disturbance/Digging:

None

Number of Personnel:

approx. 240

Type of Ammunition:

5.56 blank live, 7.62  
blank, Arty HG SIM FI  
Live and Blank

Number/Types of Trees:

None

Size of Project Area: N/A

Duration of Action: Start: 10/1/2013

Stop: 9/30/2014

Proponent: stacey.ballesteros 706-545-5677

Organization/Unit: Range Division

Number/Types of Vehicles:

Number of vehicles: Varied

Types of vehicles: 2.5 truck, FLA, 4X4 truck, S10, WAT, 5Ton HMMWV and trailer, GSA vehicle, MTV, M77A2.

Yes-Vehicles will be going off road.

What type of vehicles will be going off road:

\*\*\*\*\*  
**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."**

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**REC APPROVED THROUGH 30 SEPTEMBER, 2014**

**Noise**

**Conditions:**

**Ellis Leeder (706 545 2400), 9/11/2013**

This is training operations request for training. If there is any operational 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 noise abatement areas. 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 CS gas sites. Please visit the Range Operations website to obtain a list of approved weapons per Range or Firing Points. . Leave the training areas, firing range, latrines in a clean condition; contact Range Operations if unclean conditions are found or clean up costs or cleaning endeavors by proponent could occur to last user. 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 ellis.p.leeder.civ@mail.mil or visit the Range Control Website for the updated version of MCoE Regulation 350-19, range guidance and other materials for your range packet. This 144r must be present at the training site when occupying compartment or ranges.

EMD Number: 1325211

IJO# N/A

Project Title: Basic Tactical Training

CWA - Training

Conditions:

Jessica Taylor (706 604 4572), 9/13/2013

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.

Natural Resources - RCW

None

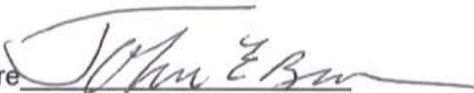
Michael Barron (706 544 7080), 9/11/2013

Hazardous Materials/Waste

Conditions:

Ted Williams (706 545 7579), 9/9/2013

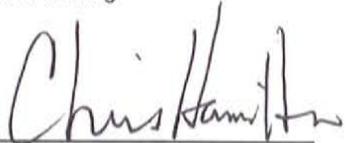
1. Ensure personnel know the correct procedure for handling misfires at the range:
2. Closed containers (ammunition can marked 'MISFIRES") will be used for the collection of misfires at each firing range.
  - The MISFIRE container will stay closed except to add or remove misfires.
  - Misfires SHALL NOT BE COLLECTED in any open container or cardboard box.
3. Ensure that all containers for collection of patches and swaps are kept closed unless weapons cleaning products are being added. Contact EPMB for detailed information on the proper disposal of waste products resulting from the training.

Signature 

John E Brown

NEPA Program Manager

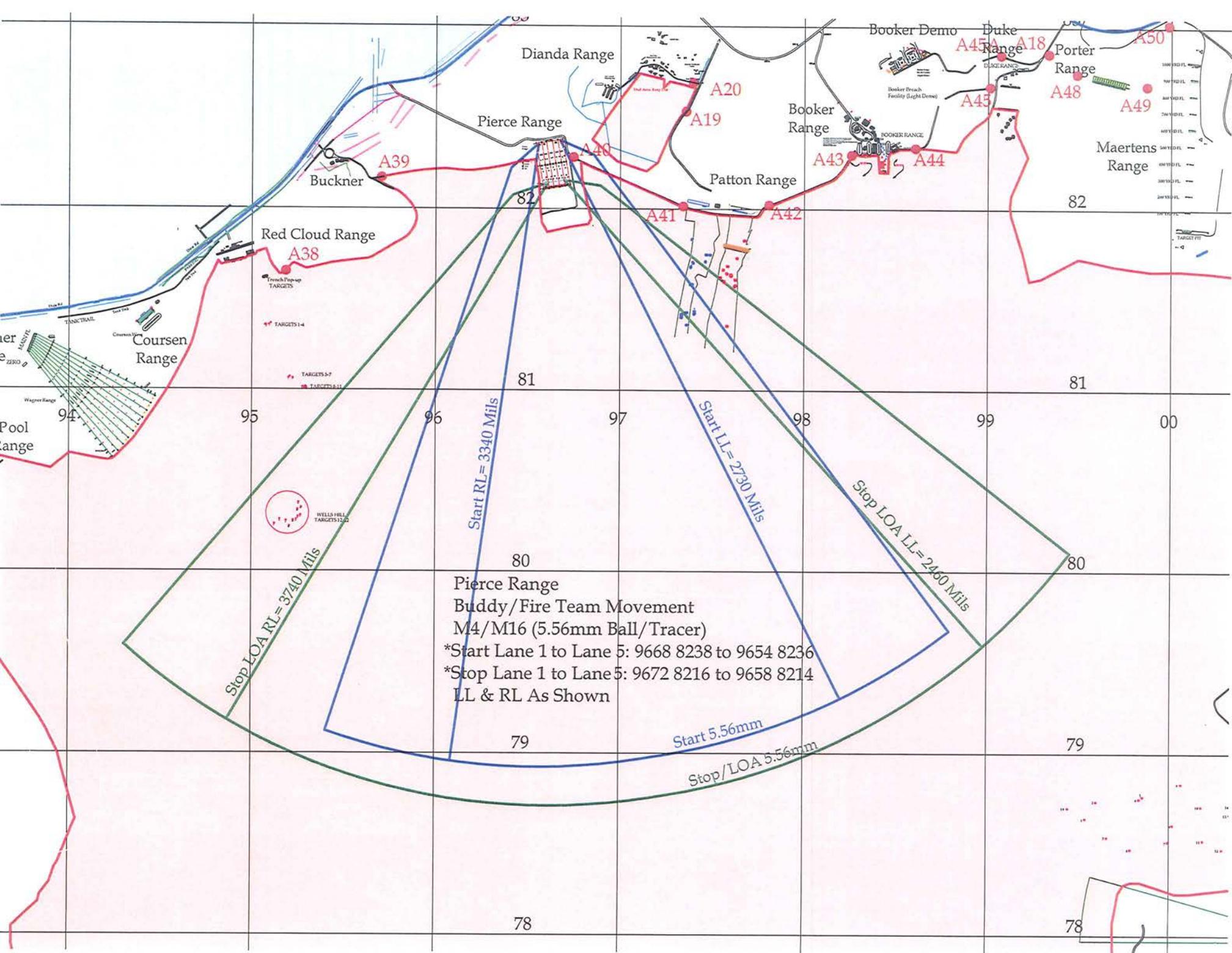
Date 16 SEP 2013

Signature 

Christopher E. Hamilton, PhD

EPMB Chief

Date 2013 09 17



Pierce Range  
 Buddy/Fire Team Movement  
 M4/M16 (5.56mm Ball/Tracer)  
 \*Start Lane 1 to Lane 5: 9668 8238 to 9654 8236  
 \*Stop Lane 1 to Lane 5: 9672 8216 to 9658 8214  
 LL & RL As Shown

Stop LOA RL = 3740 Mils

Start RL = 3340 Mils

Start LL = 2730 Mils

Stop LOA LL = 2460 Mils

Start 5.56mm  
 Stop/LOA 5.56mm

