

FIRING/NONFIRING DATA

Log 12-2-13

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: 6 Dec 13 Range: BUCHANAN RANGE Title: URBAN OPERATION (MOUT LFX) Problem No: TB9B89, TB9B92
THRU: S-3, 2-11IN HHC/2-11IN (IBOLC) FORT BENNING, GA 31905	FROM: 2-11IN / BOLC-B HHC/2-11IN (IBOLC) FORT BENNING, GA 31905

SECTION I, TYPE OF TRAINING

a. Live Fire
 b. Non-live Fire
 CP/Controller Coordinates: GA 0123 7981

SECTION II, DEMOLITIONS/GRENADES/MINES/PYROTECHNICS

Coordinates	Type	Model/DODAC	Size of Charges
COORDINATES BELOW <i>Station 1 & 6 only!</i>	FUSE, HAND GRENADE PRACTICE	G878	N/A
COORDINATES BELOW <i>Station 1 & 6 only!</i>	SIMULATOR, HAND GRENADE SIMULATOR, GROUND BURST	L594, L601	N/A
COORDINATES BELOW <i>Station 1 & 6 only!</i>	SMOKE, WHITE HC SMOKE, COLORED	G982, G955, G950, G945, G940	N/A

SECTION III, WEAPONS/AMMUNITION REQUESTED

Coordinates of Weapons Position	Type Weapon/Model Number	Type Ammunition	Left Limit	Right Limit
25 METER ZERO FP 1 GA01187984 TO	M4, M9, SHOTGUN, EPQ-2	5.56MM BALL/BLANK, 9MM BALL, LASERS, SIMMUNITIONS	4M 4850 25M 5040	4M 5300 25M 5110
STATION 1: GA01267995 STATION 6: GA01277999	M4, M249, M240B AN/PEQ-2A NON-TACTICAL MODE	5.56MM & 7.62MM BLANK, LASERS, SIMMUNITIONS <i>M4</i>	N/A	N/A
STATION 4: GA01347995	M4, M249, M240B AN/PEQ-2A NON-TACTICAL MODE	5.56MM & 7.62MM BLANK, LASERS, SIMMUNITIONS	N/A	N/A
SHOOTHOUSE: GA01227980	M4, M249, M240B AN/PEQ-2A NON-TACTICAL MODE	5.56MM & 7.62MM BALL/BLANK, <i>M4</i> LASERS, SIMMUNITIONS <i>7.62 Blk</i>	N/A	N/A

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: ADAM B. DOTTS CPT, IN <i>[Signature]</i>	Name/rank of Major Unit S3/Commander: JAMES D. GALLAGHER CPT, IN <i>[Signature]</i>
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SECTION VI, FOR RANGE DIVISION USE

DATE: 23 Nov 14

TO: S-3, 2-11IN HHC/2-11IN (IBOLC) FORT BENNING, GA 31905	FROM: Range Division, Directorate of Plans, Training, Mobilization and Security Fort Benning, GA 31905
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a. Roadblocks to be closed:	A: 18, 22, 24, 26.
b. Road(s) to be closed/road barrier locations:	LASER WARNING SIGNS WILL BE IN PLACE PRIOR TO USE
c. Remarks:	Indef
d. This approval expires:	Indef

Chief, Range Division
Directorate of Plans, Training, Mobilization and Security
Brad S. Tank



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

16 December 2013

MEMORANDUM FOR Commander, 2/11th IN Bn. Attn: CPT Adam B Dotts, Fort Benning, GA 31905

SUBJECT: 2/11th IN Bn IBOLC Urban Operations at Buchanan Range Concept and Safety Review

1. References.

- a. 2/11th IN Bn IBOLC Urban Operations at Buchanan Range, 13 December 2013.
- b. Army Regulation 385-10, The Army Safety Program, 27 November 2013
- c. Army Regulation 385-63, Range Safety, 30 January 2013
- e. Department of the Army Pamphlet 385-10, Army Safety Program, 04 October 2011
- 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, 30 January 2012
- h. Technical manual 9-1370-207-10, Pyrotechnic Simulators, 31 March 1991
- i. Field Manual 5-19, Composite Risk Management, August 2006
- j. MCoE Regulation 350-19, Range and Terrain Regulation, 10 March 2013

2. Document received on 13 December 2013.

3. Concur w/comment.

a. FB Form 350-19-1-E-R, Section III, "Type Weapon/Model Number", does not sync with the weapons systems laid out in CONOP, paragraph 3, pg 1.

b. FB Form 350-19-1-E-R, Section II. "Injury from use of pyrotechnics" identify the minimum standoff distance (35M) for employment of L594 and L601 munitions.

ATZB-SO

SUBJECT: 2/11th IN Bn IBOLC Urban Operations at Buchanan Range Concept and Safety Review

c. CONOP, paragraph 5b, pg 4. Recommend that you identify the Ambulance Exchange Points (AXP) closest to your training site and conduct a full force rehearsal of the medical extraction plan.

d. CONOP, paragraph 5c6, pg 4. Eye protection is required for blank rehearsals.

e. RMW, Block 7 & 9, pg 4. "Fratricide", recommend that the Initial and Residual risks be elevated to "HIGH" and "MODERATE", due to the intent and severity of the of the action. Fratricide is defined as: "one that murders or kills his or her own brother or sister or an individual (as a countryman) having a relationship like that of a brother or sister" (Merriam-Webster, 1979).

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

Encl


JILL E. CARLSON
Director, MCoE/USAG Safety



DEPARTMENT OF THE ARMY
2ND BATTALION, 11TH INFANTRY REGIMENT
6649 VIBBERT AVENUE
FORT BENNING GA 31905-4475

ATSH-TPB

10 January 2014

MEMORANDUM FOR Chief, Range Operations, Fort Benning, Georgia 31905

SUBJECT: Urban Operations Squad Live Fire Exercise (Buchanan Range)

1. REFERENCES:

AR 385-63 & DA PAM 385-63, Range Safety
AR 350-1, Army Training
MCoE Regulation 350-19, Range and Terrain Regulation
TM 9-1300-206, Ammunition and Explosives Standards
FM 2-06.11
FM 3.0
FM 3-25.150.8
FM 3-25.150 (FM 21-150) US ARMY COMBATIVES
Training Circular 90-1, TRAINING FOR MOUT

2. PURPOSE: To inform company cadre to the Terminal/Enabling Learning Objectives, Task/Condition/Standards, Commander's Intent, Concept of the Operation, Tasks to Platoon, Resource Requirements and Timeline for the development and execution of Urban Operations Squad Live Fire Exercise Training Week.

3. RANGE AND TERRAIN REQUIREMENTS and Weapons/Ammo Types:

- a. Buchanan Range
- b. M16A2M4: 5.56mm ball, tracer, blank, simulation
- c. M249: 5.56mm ball, tracer, blank
- d. M9: 9mm ball
- e. Shotgun: 12 gauge 00Buck/Slug
- f. M240B: 7.62mm blank
- g. AN/PEQ-2A Laser Aiming Device
- h. Practice Hand Grenades
- i. Hand Grenade Simulator
- j. Ground Burst Simulator
- k. Simulator, Flash, Artillery (Hoffman Simulator)

4. CONCEPT OF THE OPERATIONS:

- a. A Command Post (CP) Located beside the shoot house provides command and control for the day's events. The ammunition supply point is located beside the CP with the ammunition stored on the enclosed flatbed truck. One strand of concertina wire encircles

the truck or pad with a constant guard as a per Range Control regulations. The ammo NCO separates the ammunition by blank and live. Students issue ammo at the ammo point under supervision of the ammo NCO. The ammunition is brought out and/or picked up at daily by Support Platoon if needed. Medics are on stand by inside a FLA during all live fire events.

- b. Day one begins with students being transported to Buchanan Range. The students will receive a safety brief to include a weapon and ammo check from the RSO and proceed to the flat/zero range, 25M firing line. All students will go through a refresher reflex fire table that entails; engage front, left and right from 4 to 25 meter distance. During reflex fire students will keep their weapons pointed down towards the ground unless they are facing down range. Cadre monitor all students to ensure their weapons are on safe and their fingers are off the trigger except when facing down range. Prior to students conducting reflex fire with live rounds all students will conduct dry and blank fire training. Weapons will not be loaded until on the firing line and after given the order. All movement will be on line under cadre control. All firing will be under the direction control of a cadre. Once complete weapons are cleared; they will receive a "brass and ammo" check to ensure no live rounds leave the 25M range.
- c. After the reflex fire the students will continue through stations 1 to 6 (Individual/Team Task Technique Trainer). The students will be issued blank ammunition, and conduct rehearsals of individual/buddy/team entering and clearing a room, and the basic principles of Closed Quarters Battle (CQB). Cadre will instruct/refine procedures and safety measures as stated at the Flat/Zero Range. Once the students are complete with their dry and blank iterations they will receive simmunitions and conduct enter and clear and room at Station 4 (Off/Def BLDG Task Technique Trainer). A weapons/ammo check is conducted prior to training Station 4. Once there, all doors and windows must remain closed and students must wear the protective body armor while firing sim rounds or force on force training. Once the cadre is satisfied with the students' performance they will clear weapons and move to the shoot house.
- d. At the shoot house the students will do a dry fire iteration of team/squad into the shoothouse. Teams/squads will flow as illustrated on the concept diagram. One cadre will walk behind each fire team/squad while the other cadre watch from overheard positions on the catwalk to ensure proper technique and safety. Prior to moving into the first room the students must confirm with the cadre on the ground that the shoothouse is clear. The cadre on the ground will verify with the cadre on the catwalk that the shoothouse is clear prior to giving the students permission to enter. Once complete with dry fire the students will conduct a blank fire iteration following the same concept as the dry fire. All students firing for that day will conduct dry and blank fire prior to any team/squad starting their live fire. Following the blank fire cadre will conduct a shake down of all students and equipment to ensure all blank ammo is turned in. The shoothouse will also be cleared of blank ammo and dunage. Students will secure live ammo from the ammo point but will not load until they are staged to enter the shoothouse and the shoothouse has been verified clear by cadre. During the live fire one cadre will walk behind each team/squad while the other cadre observes from the overhead positions

ensuring safety. Students will clear all weapons prior to exiting the shoothouse. As students leave the shoothouse the cadre member on the ground will visually inspect to ensure their weapons are clear.

- e. The training of these tasks will be supported by the use of blanks and live ammo in and around the following areas/training lanes of Buchanan Range.
 - a. 25 m Zero/CQM Range: Short Range Marksmanship (Blank/Live).
 - b. Station 1 to 6: Enter and Clear a room Individual/Team (Blank).
 - c. Station 4: Enter and Clear a room Individual/Team (Blank/Simmunitions).
 - d. Shoot house: Enter and clear a room Team/SQD Blank/Simmunitions/Live Fire.

- f. Squads will execute the above stations IAW range regulations and the commanders training intent. All stations are managed by a CLS/RFR qualified cadre member who controls pre-fire checks, loading, test fire, firing and clearance of all weapons used during all training events. All loading and test fires are executed once all stations are prepared and the NCOIC ensures that all cadre and students are in place and ready to execute. All stations cadre will be equipped with non-tac radios and are in direction comms with the Range NCOIC who manages the rotation schedule. Fire Control measures will be strict and emplaced. Station 1, 4, 6, 25 Zero Range and Shoot house can be fired simultaneously if needed but only under coordinated and rehearsed operations. Squads will begin at the prescribed location and rotate in sequence.

5. SAFETY:

a. OIC/RSO

1. 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.

2. When a malfunction is experienced, the OIC/RSO will suspend all firing and immediately notify Range Control. The weapons and all components and ammunition involved will remain in place. The cease fire will remain in effect until cleared through Range Control. An investigation is required and will be conducted by the ammunition and weapons inspection personnel and DOL.

3. 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.

- a. Designation of unit.
- b. Range and 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, range and unit of injured personnel.
- h. Extent of property damage.
- i. Intentions regarding an AR 15-6 investigation.

b. Medical

1. Primary Means of coverage will be an on-site FLA with 2 medics.
2. Cadre will evacuate serious injuries by air or ground by calling 911 with a follow-up through Range Control and Higher. The LZ for air evacuation is located between stations 4 and 5. The primary marking signal for air evacuation is red smoke.
3. 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 MCoE 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.

c. Range Safety Officer will brief the following notes to every student.

1. All students are safety officers, anyone observing an unsafe act will immediately call a cease fire.
2. All weapons will be discharged down range and within designated limits.
3. All weapons modified to shoot sim rounds will be inspected prior to firing.
4. All weapons will remain on safe unless actively engaging a target.
5. All students must practice muzzle awareness and will only aim their weapon on a target they intend to shoot and all weapons will be cleared prior to moving between stations.
6. All personnel on the 25M range or in the shoot house during live fire events will wear an IBA, Kevlar Helmet, Eye Pro and Ear Pro.
7. When conducting reflexive fire drill there will be **no rear turns**. Left and right turns are allowable as long as the weapons is oriented down range. One cadre will be in charge of safety for two students at a time.
8. Class III lasers are not eye safe within 25 meters. Treat the use of lasers the same as live rounds. Do not use lasers except on a target you intend to engage.
9. Emergency cease fire signal inside the shoot house is a whistle, on the range verbal command of "cease fire" or RED smoke. The company 1SG will go through a daily MEDEVAC rehearsal with medics daily.

d. Ammunition

1. The ammo NCO will sign for all blank and live ammo.
2. The blank and live ammunition will be physically separated inside the Ammo Supply Point (ASP).

3. There will be no de-linking or re-linking of any ammunition. Any ammunition that has been de-or re-linked is considered nonstandard and is prohibited from the range.

4. The ASP issues will issue enough ammo for only one iteration of the blank/live fire.

5. Each student will return all unused ammo to the ASP at the completion of their iteration on the range.

6. The ammo point NCO will control the issue and retrieval of all ammunition. All ammunition (blank, live, etc...) will be marked and physically separated within the ammo point (or separate ammo points) and signed by the ammo NCO.

e. Signal

1. Primary means of signaling shift/cease fire will be FM communication. Alternate signal will be colored smoke/star cluster/VS-17. Company Leadership will be with each element to confirm receipt of signals by tactical radios. Emergency cease fire signal will be RED SMOKE/ Air-horn held by the SBF and Assault element's evaluators. All signals will be included in the initial safety briefing. Anyone observing any unsafe act can call for a Cease fire.

2. Class III A lasers are not eye safe on dual low mode within 25 meters. PEM – 1A is not a tactical laser and must be used within 25 meters. Laser Warning Signs will be in place prior to opening the range. **Range safety briefing will include hazards using Lasers and NVD's.**

f. Rehearsals

1. The "Crawl-Walk-Run" method of training will be the standard for all LFX. A detailed leader's TEWT will outline all range fans, restrictions, and safety considerations. Day/night dry-blank fire exercises will be conducted prior to getting clearance to participate in any live fire exercise (LFX). The day phase will be completed prior to the night phase. The dry-fire, blank-fire exercise and the live fire exercise will have dedicated observer/controller teams.

g. Range Clean Up

1. Range clean up will be IAW the Battalion and Range Control's Range SOP.

6. POC for this memorandum is CPT Adam B. Dotts at (515) 450-3052.


JAMES D. GALLAGHER
CPT, IN
Battalion Operations Officer

Enclosures

- a. CONCEPT SKETCH
- b. CRM WORKSHEET
- c. BUCHANAN SKETCH

M4,
AN/PEQ-2A NON-TACTICAL MODE



INFANTRY BASIC OFFICER LEADER COURSE
MANEUVER CENTER OF EXCELLENCE

Infantry Basic Officer Leader Course Buchannan Shoot House

Friday, January 10, 2014

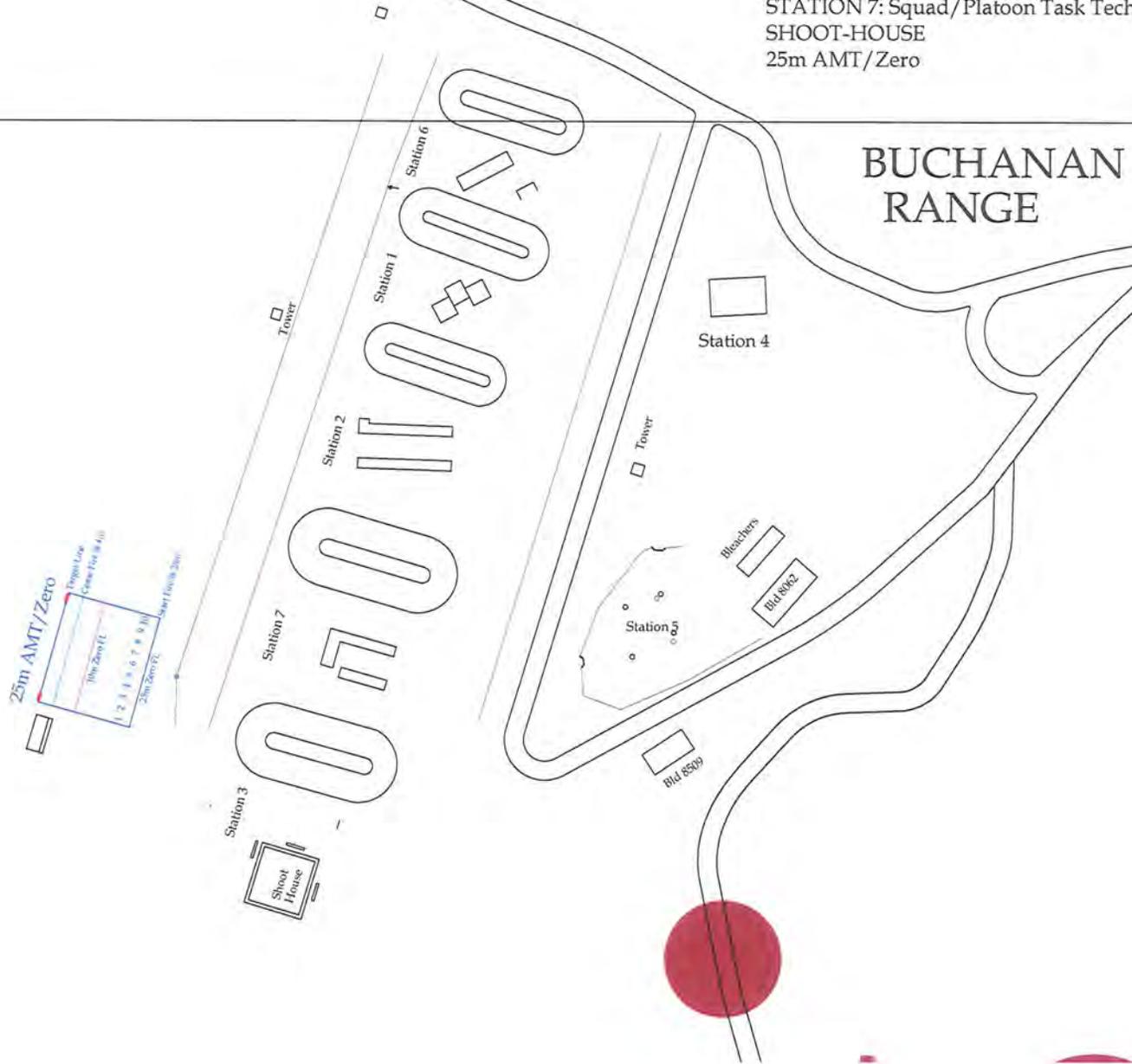


IBOLC Outcomes

The IBOLC graduate is:

- 1) Committed to the profession of arms and has the foundation for self development
- 2) Physically and mentally tough and displays moral courage
- 3) Tactically and technically proficient at Infantry platoon operations and familiar with combined arms doctrine
- 4) Prepared to build a cohesive, disciplined platoon and lead them through the rigors of combat; confident in his ability to set and enforce standards
- 5) Able to analyze the components of a complex problem, make sound and timely decisions, and communicate a solution in the form of a mission order
- 6) Capable of training and preparing a platoon for deployment to combat

- STATION 1: Individual/Team Task Technique Trainer.
- STATION 2: Squad/Platoon Task Technique Trainer.
- STATION 3: Grenadier Gunnery Trainer.
- STATION 4: Offense/Defense Building Task Technique Trainer.
- STATION 5: Underground Trainer.
- STATION 6: Individual/Team Task Technique Trainer.
- STATION 7: Squad/Platoon Task Technique Trainer.
- SHOOT-HOUSE
- 25m AMT/Zero



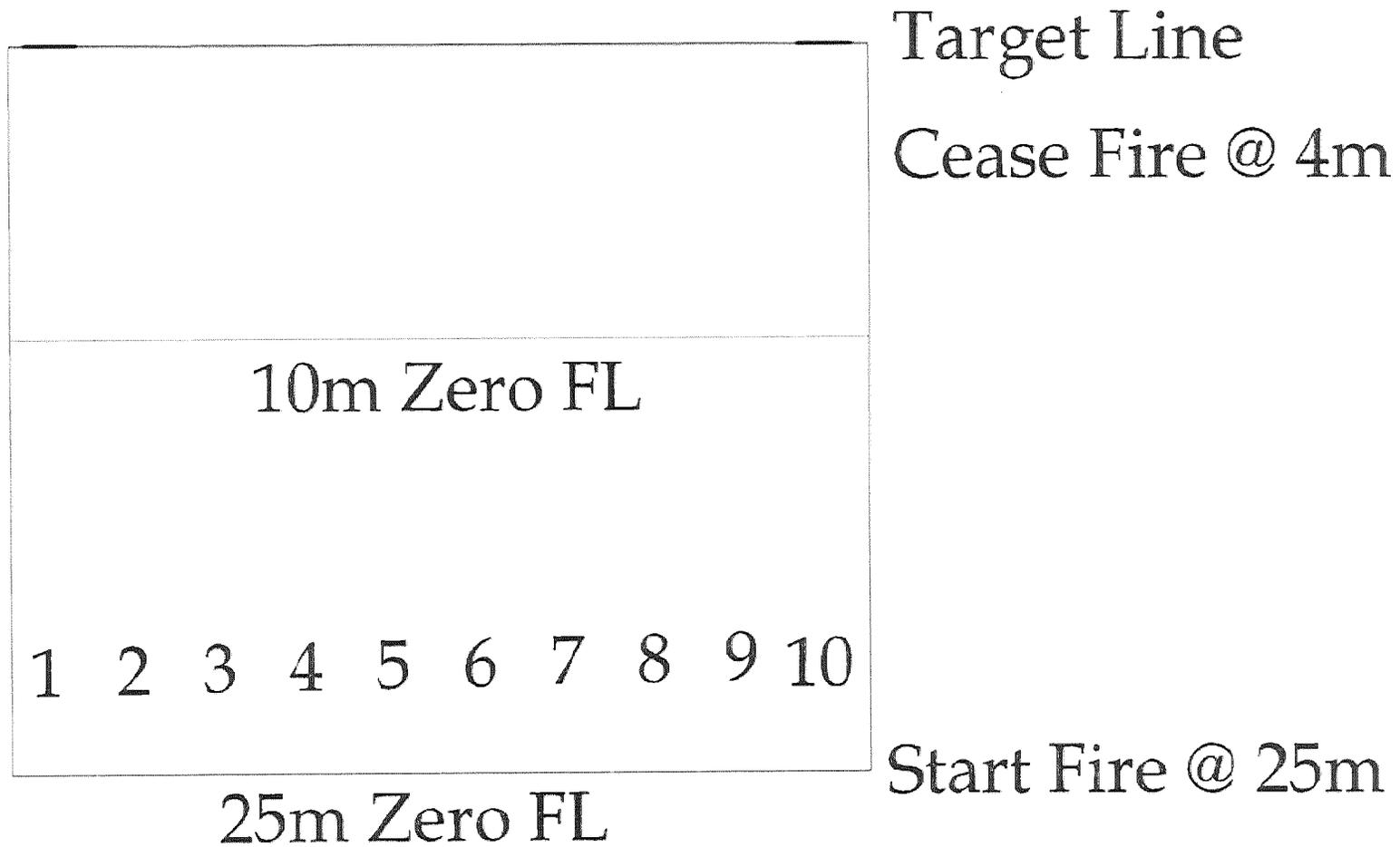
BUCHANAN RANGE

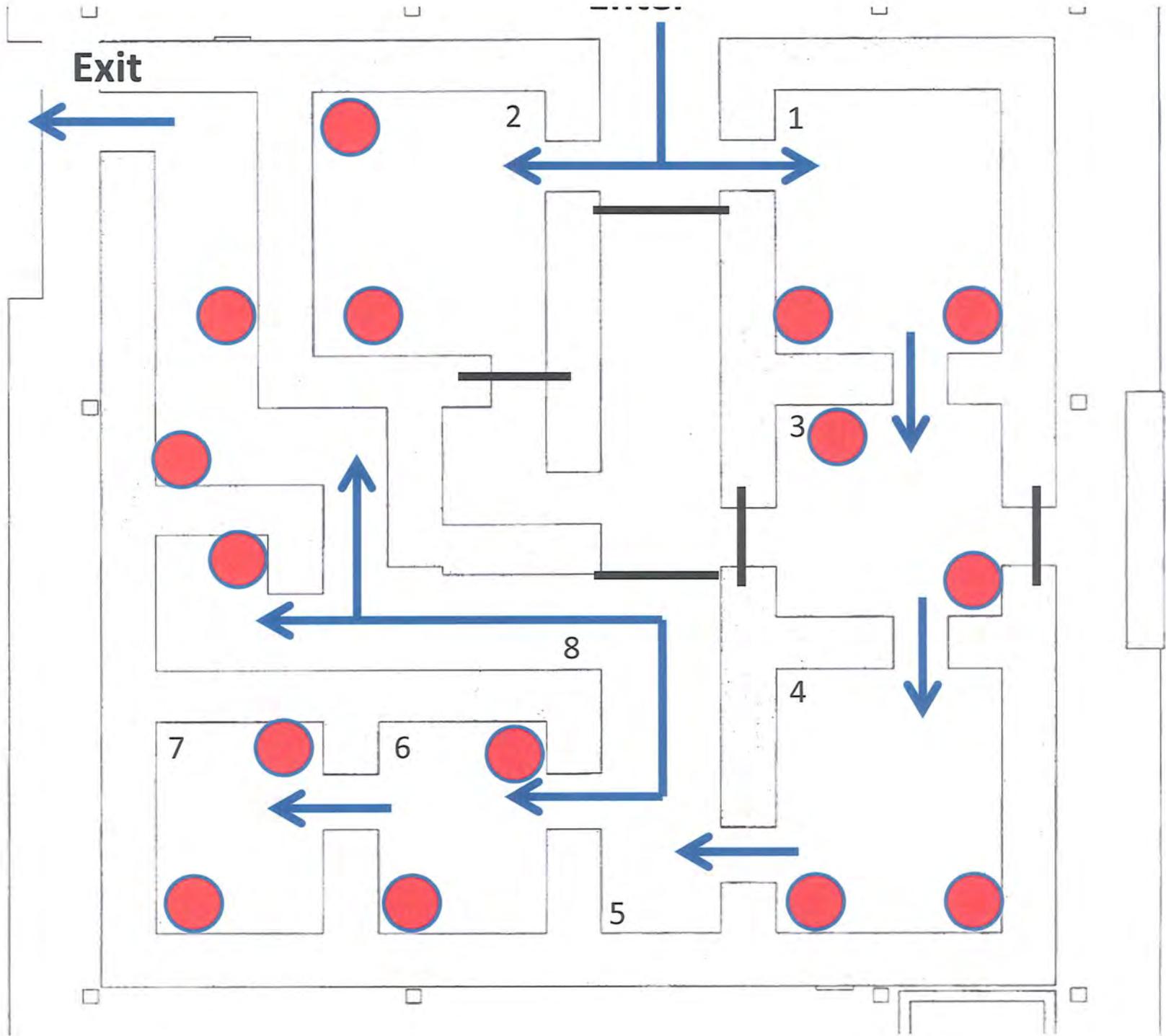
- STATION 1: Individual/Team Task Technique Trainer.
- STATION 2: Squad/Platoon Task Technique Trainer.
- STATION 3: Grenadier Gunnery Trainer.
- STATION 4: Offense/Defense Building Task Technique Trainer.
- STATION 5: Underground Trainer.
- STATION 6: Individual/Team Task Technique Trainer.
- STATION 7: Squad/Platoon Task Technique Trainer.
- SHOOT HOUSE
- 25m AMT/Zero
- Combat Pistol Course

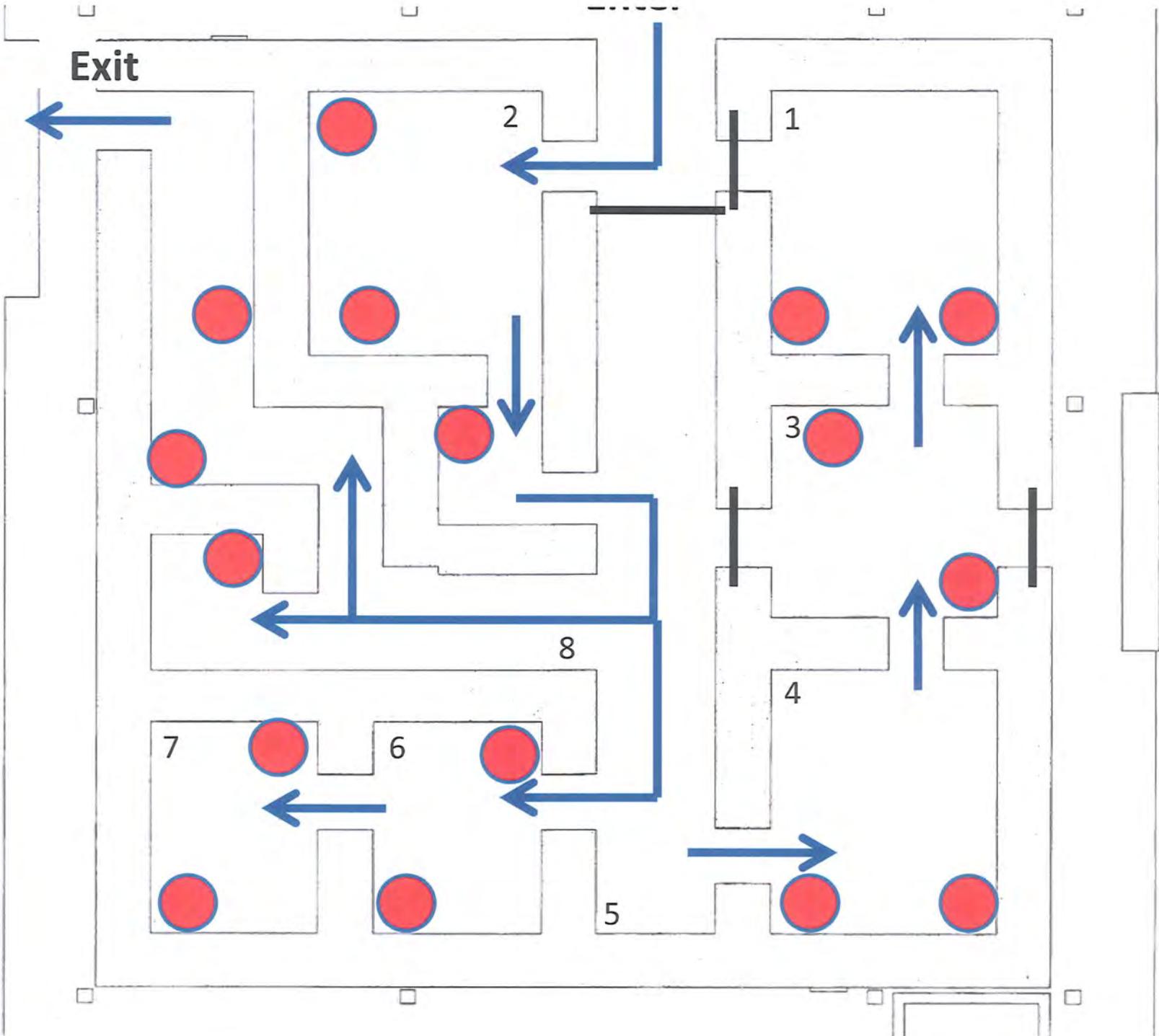
BUCHANAN RANGE

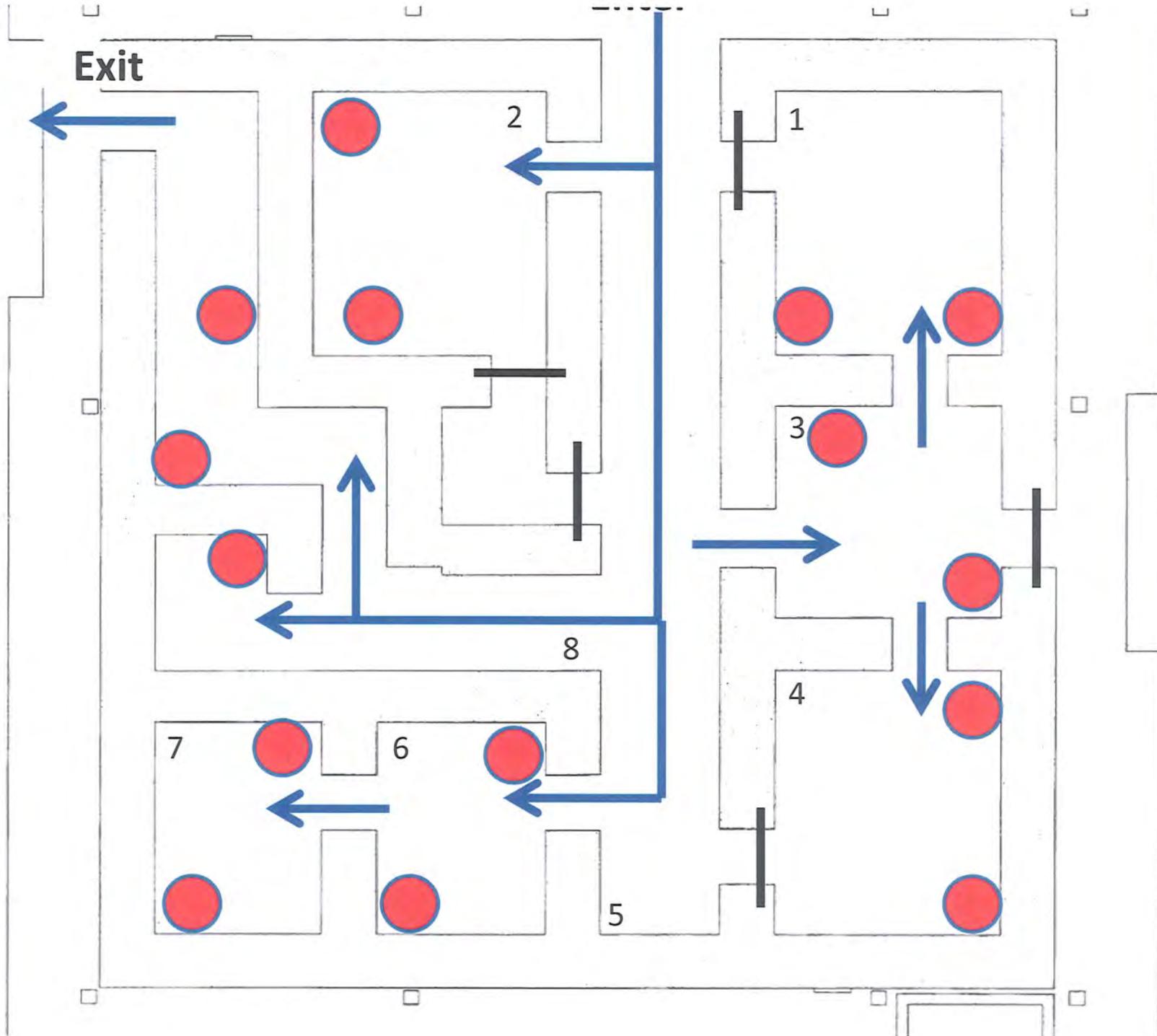


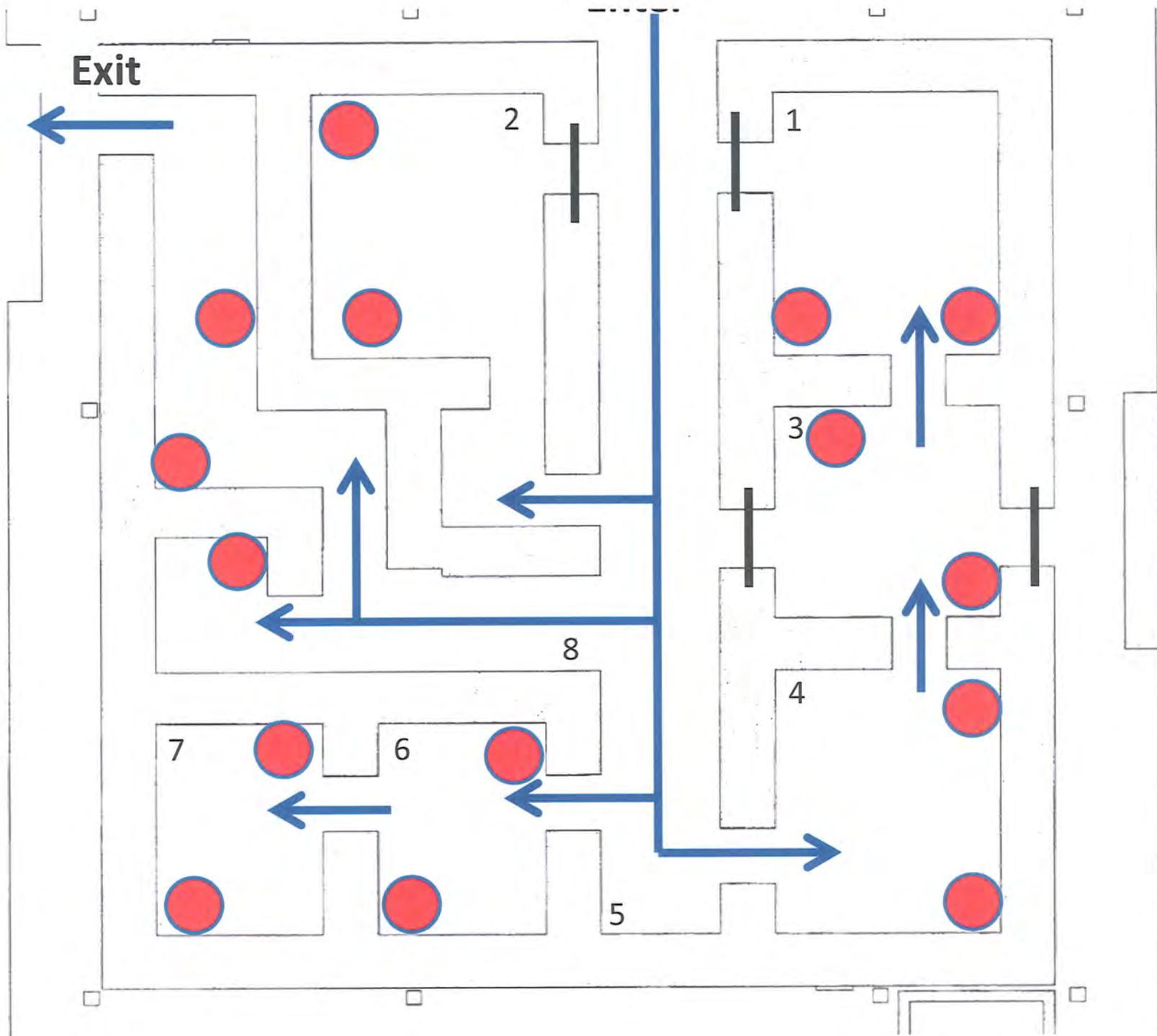
25m AMT/Zero

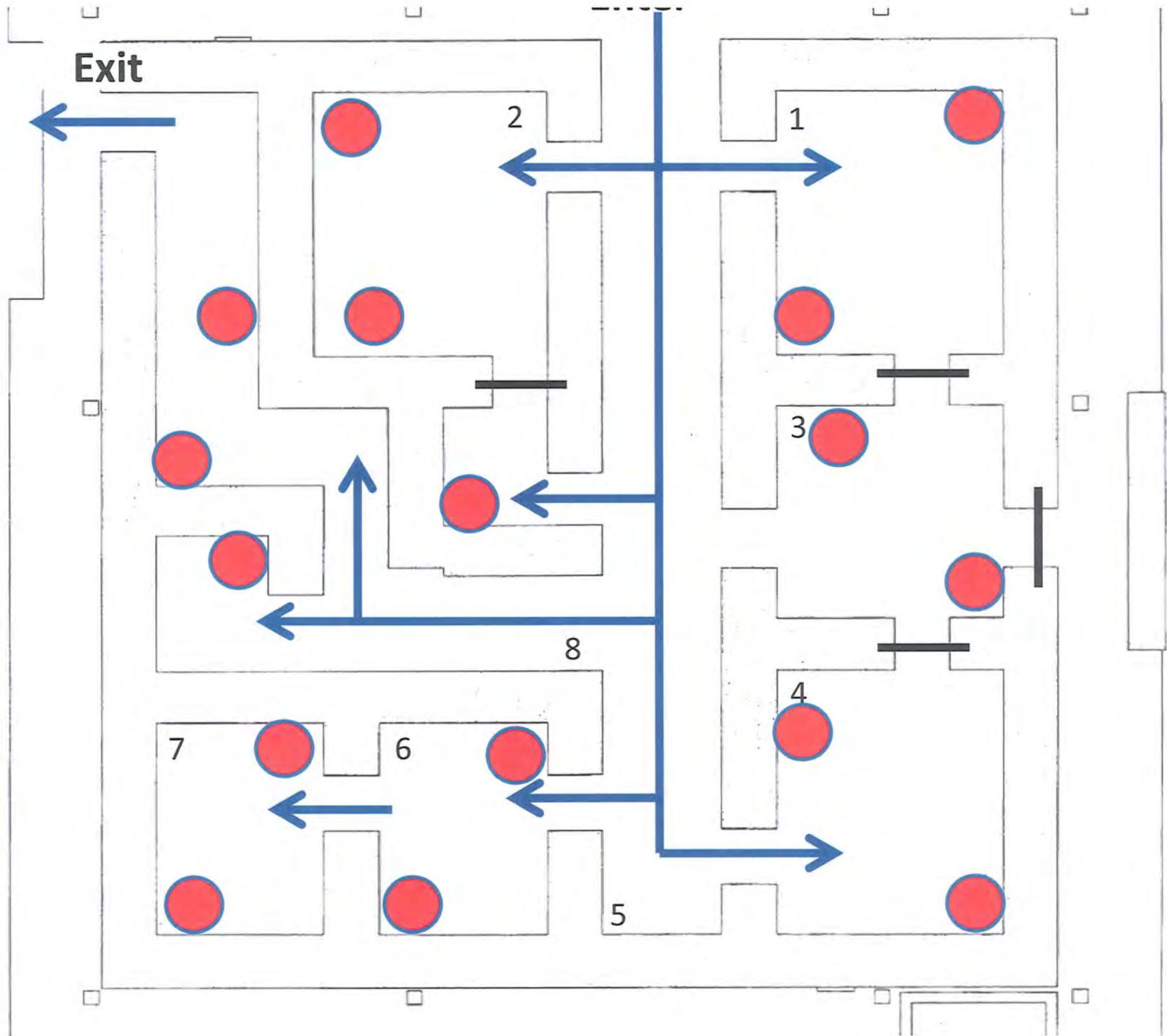












Buchanan Range 2/11 IN BOLC-B Urban Operations (Log #12-2-13) Roadblock List , 17 JAN 2014

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 trl 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.

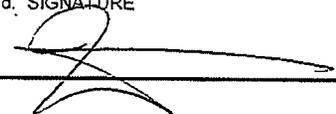
1. MSN/TASK SRM/SHOOTHOUSE LFX	2a. DTG BEGIN 20140103	2b. DTG END 20150102	3. DATE PREPARED (YYYYMMDD) 20140103
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4. PREPARED BY			
a. LAST NAME DOTTS	b. RANK CPT	c. POSITION ASST. BN OPERATIONS OFFICER	

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?
SRM / SHOOTHOUSE LIVE FIRE	1. Hot Weather Injuries	H	IAW MCoE Range and Terrain Reg 350-19: 1) The Range OIC will complete a Daily Risk Assessment prior to training. He will ensure that Platoon Trainers assess personnel status	M	1. IAW MCoE Range and Terrain Regulation 350-19 2. IAW 2-11 IN and 199th IN BDE Heat Injury SOP	CDR/1SG/ OIC/ RSO/ Cadre, Individual, Buddy Team	
			and physical condition within their platoons. Trainers must ensure that students consume 3 meals per day prior to training. At a minimum, students need to intake one quart of water per		3. IAW MCoE PM 385-6-11 4. TRADOC Reg 350-29		
			hour. Daily fluid intake should not exceed 12 quarts and hourly intake should not exceed 1.5 quarts. 2) Suspected heat casualties will immediately				
			have their temperature diagnosed with the thermoscan. Initiate MEDEVAC if student's temperature is 101F or greater. For higher than normal temperatures not requiring MEDEVAC				
			initiate first aid IAW 2-11 Heat Injury SOP. If casualty exhibits mental status change, vomits, or is unconscious, initiate ice sheet and evacuate immediately IAW 2-11 Heat				
			Injury SOP. 3) Each platoon, to include the TOC, will possess a thermoscan in their CLS bag with extra batteries.				

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 checked="" type="checkbox"/> MODERATE <input type="checkbox"/> HIGH <input type="checkbox"/> EXTREMELY HIGH

14. RISK DECISION AUTHORITY			
a. LAST NAME GRANTZ	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?
SRM / SHOOTHOUSE LIVE FIRE	1. Hot Weather Injuries cont'	H	4) Cadre will ensure that ice sheet coolers and water coolers are readily available during training. 5) One trainer from each platoon will carry a	M		CDR/1SG/ OIC/ RSO/ Cadre, Individual, Buddy Teams	
			CLS bag. Additional CLS bags will be located with vehicles. Cadre will be trained and certified prior to the training event. "Man down" will be rehearsed prior to training and				
			concurrently. Drills will include ice sheets and evac. Evac will be based off the "cool then call" exercise when a student has a 101F degree core temperature.				
			6) At a minimum, company size elements will carry at a minimum 15-20 ice sheets (this will require at least two coolers), a water buffalo filled with water and the appropriate amount of				
			ice present at the TOC during all training events. All personnel will be encouraged to drink water and stay hydrated.				
			7) All cadre will rehearse the proper procedures for diagnosing, treating, and evacuating heat casualties.				
			8) All cadre will assess the cumulative effects of all training conducted prior to an event. 9) Platoon trainers will adhere to the Work/Rest ratio guidelines given in the Leader's Heat				
			Reference Card (ex. rest 10-15 minutes every hour). Work/Rest ratio is strictly dependent on temperature/heat category.				

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?
SRM / SHOOTHOUSE LIVE FIRE	2. Cold Weather Injuries	M	IAW MCoE 40-24: 1) All hazards will be identified and assessed. All personnel will be given a minimum of 14 days for acclimation. Prior cold weather casualties will be identified prior to training and considered high risk. Cadre will maintain constant observation of these individuals	L	1-4 IAW 199th IN BDE Cold Weather Injury SOP 1-4 IAW 2-11 IN Cold Weather Injury SOP	CDR/1SG/ OIC/ RSO/ Cadre, Individual, Buddy Teams	
			2) Water and food will be provided so that personnel can stay hydrated and will have the appropriate amount of calories to stay warm.				
			3) All personnel will take the appropriate measures to stay dry, including packing / carrying enough dry clothes to change into.		Personnel will pack for extended training or inclement weather IAW the 2-11 IN TACSOP		
	3. Lightning Strike	M	IAW 199th Safety SOP (Lightning Safety and Procedures) 1) Continually monitor weather advisories. 2) Move students away from equipment and into low ground while under lightning advisory.	L	1-5 199th IN BDE Safety SOP (Lightning Safety and Procedures).	CDR/1SG/ OIC/ RSO/ Cadre	
	4. Wild Life Stings/Bites	M	1) Students will be advised not to aggravate wildlife. 2) Insect repellent will be available to all students. 3) Personnel with allergies will be identified prior to conduct of range.	L	Conduct detailed Safety Brief on walk area to be used by soldiers	CDR/1SG/ OIC/ RSO/ Cadre	
	5. Loud Noises	M	1) Platoon trainers ensure all students and cadre are wearing heat protection during blank and live fire exercises. 2) Extra hearing protection will be brought to the range.	L	All personnel will wear ear protection during BFX and LFX. DA PAM 40-501	CDR/1SG/ OIC/ RSO/ Cadre	
	6. Falls	M	1) Range safety officer will issue a safety briefing to all students prior to the start of training. 2) Range safety officer will include an orientation of the training area.	L	Students will be advised of the hazards of the terrain and given a safety briefing.	CDR/1SG/ OIC/ RSO/ Cadre	
	7. Soldier fatigue and/or lack of alertness	M	IAW MCoE Policy 350-19: 1) Students will be given a class in their first week on proper nutrition and the ways to maximize the effectiveness of their caloric	L	1) Students will be informed on the proper balance of nutrition and exercise IAW FBAPFS.	CDR/1SG/ OIC/ RSO/ 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?
SRM / SHOOTHOUSE LIVE FIRE	7. Soldier fatigue and/or lack of alertness. Cont'		intake. All participants will receive a minimum of 6 hours of sleep during each 24 hour time period. 2) Platoon trainers will ensure that students receive three meals per day.		2) Students will get 3 meals to maintain a good caloric intake. 3) Training Sched. will allow 6 hr. of sleep prior	CDR/1SG/ OIC/ RSO/ Cadre	
			3) Platoon trainers will ensure that students receive six hours of undisturbed sleep prior to execution of live fire exercise.		Field training, BFX, and LFX.		
	8. Negligent Discharge	H	1) Range safety officer will issue a safety brief prior to start of training. 2) Platoon trainers will strictly enforce weapons safety and class V accountability before, during, and after LFX.	M	Cadre will ensure students follow all weapon safety procedures. Individual	CDR/1SG/ OIC/ RSO/ Cadre Individual	
			3) All cadre and students will wear IBA w/gloves, SAPIs, Kevlar, and eye protection during live fires. 4) All weapons will be visually inspected prior to exiting range or training area.		IAW MCoE Range and Terrain Regulation 350-19		
	9. Eye Injuries	M	IAW 2-11 Ballistic Eye Protection SOP: 1) All students will wear eye protection while moving in a field environment or firing a weapon.	L	Cadre enforces the wear of eye protection to prevent eye injury or loss of sight.	CDR/1SG/ OIC/ RSO/ Cadre Individual	
	10. Exploding Rounds	M	1) Platoon trainers ensure students follow proper unloading procedures while conducting misfire procedures.	L	Platoon trainers will go over the proper misfire procedures.	CDR/1SG/ OIC/ RSO/ Cadre	
	11. Fire/Explosion in Ammo holding area	M	IAW DA PAM 385-64, TRADOC Reg. 700-2, and TM 9-1300-206: 1) Primary instructor will clear ammunition point of all flammable material prior to stockpiling.	L	PM 350-6-2	CDR/1SG/ OIC/ RSO/ Cadre	
			2) He will maintain two 10:BC or larger fire extinguishers at a clearly marked location near the ammo point. 2) The primary instructor will ensure that proper HAZMAT placards				
			displayed at the ammunition point IAW DA PAM 385-64, TRADOC Reg. 700-2, and TM 9-1300-206. "No Smoking" signs will be posted and no smoking within 50 feet of vehicles or				
			equipment loaded with explosive items.				

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?
SRM / SHOOTHOUSE LIVE FIRE	12. Fratricide	M	IAW MCoE 350-19: 1) Primary Instructor (PI) and platoon trainers will validate range operation during company train-up and conduct range reconnaissance prior to training.	L	1. IAW 2-11 IN Bn Live Fire SOP 2. Direct Supervision	CDR/1SG/ OIC/ RSO/ Cadre, Individual, Buddy Team, Company Commander	
			2) Primary Instructor, Company Commander, and 1SG confirm that target array supports range fans and surface danger zones IAW FB Range Operations. 3) PI ensures target		Target operator performs a rehearsal before SIMMS training and live fire.	First Sergeant	
			operator conducts rehearsal prior to execution of Dry Fire. PI conducts daily target operator rehearsals upon personnel shift changes, prior to continuation of training. 4) Company		All squads will complete rehearsals before live fire.	Company Commander	
			commander ensures that all platoon trainers have rehearsed the training prior to execution with platoon cadre and conducted supervised rehearsals with squads. 5) Platoon trainers		All students will group, zero, and display control of all assigned weapons systems. All students will follow the	Platoon Trainer	
			ensure that all firers have completed zeroing and familiarization with all weapon systems. 6) All students will complete training on load, fire, perform immediate action and cleaning all		proper safety procedures for UO LFX operations.		
			weapon systems that they will use. 7) Platoon trainers ensure that all squads complete reflexive fire training prior to conducting the shoot house live fire. 8) All students will				
			conduct dry and blank rehearsals of the shoot house prior to conducting the live fire. 9) Platoon trainers ensure that squads execute same scheme of maneuver for dry, blank and		Scheme of maneuver will remain the same during rehearsals and live fires.	Company Commander	
			live fire. 10) Platoon trainers ensure that all leadership positions and key weapon systems remain the same during dry, blank and live fire. 11) Platoon trainers will ensure that all students		Leadership and key weapon systems will remain the same during rehearsals and live fires.	Company Commander	
			receive six hours of undisturbed sleep the night before the training. 12) Cadre & Students will wear ACH, gloves eye protection, and IBA for LFX. 13) All weapons will be visually		All students will get six hours of sleep prior to any LFX.	Platoon Trainer	
			inspected by Cadre prior to coming off the firing line and shoot house. 14) Cadre will rod and inspect all weapons. 15) A minimum of two cadre will position themselves on the firing line		At least one cadre will clear students prior to leaving the firing line and shoot house.	Platoon Trainer	

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?
SRM / SHOOTHOUSE LIVE FIRE	Fratricide (con't)	M	during SRM training. 16) A minimum of one cadre will position themselves with each separate element during execution of the rehearsals and live fire. Additional cadre will	L	At least one cadre will accompany each element during training and LFX.	Platoon Trainer	
			observe from the catwalk. 17) Platoon trainers maintain communication on non-tactical radios, between all elements. 18) Platoon trainers ensure that each squad has resources to		Cadre will remain in constant communication for the duration of training.	Platoon Trainer	
			execute redundant signaling plan (i.e. cease -fire). Cadre will use cease fire buttons IAW Range SOP. 19) Primary instructor will ensure that a medic with FLA is present during		Each platoon will have the appropriate resources for signaling.	Platoon Trainer	
			all iterations of execution of live fire training. Primary instructor will ensure that driver for internal CAS-EVAC has been designated and is rehearsed on EVAC routes prior to the start				
			of training.				



RECORD OF ENVIRONMENTAL CONSIDERATION (REC)



Date Submitted: 12/10/2013

EMD Number: 1334512

Project#: 071T6807

Project Title: SRM, Shoot House LFX

Description of proposed action:

Unit will be conducting urban operations training, and specifically entering and clearing a room in the Buchanan Shoot House. This training will include iterations of dry and blank before going live with the M16/M4. SRM/CQM training will be conducted prior to Shoot House live fire on the pistol course.

Project Location:

Buchanan

Amount, Description, Location of Disturbance/Digging:

None

Number of Personnel:

160-200

Type of Ammunition:

5.56 link and ball Live and Blank

Number/Types of Trees:

None

Size of Project Area:

Duration of Action: Start: 12/20/2013 Stop: 9/30/2014

Proponent: rhonda.doleman

706-545-5916

Organization/Unit: IBOLC / 2-11

Number/Types of Vehicles:

6-8: GSA, M149A1, HMMWV – No 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."

REC APPROVED THROUGH 30 SEPTEMBER, 2014

Natural Resources - RCW

Conditions:

Michael Barron (706 544 7080), 12/11/2013

See attached conditions. Note locations of red-cockaded woodpeckers (RCW) on attached maps. Training restrictions apply. Unit commanders must make sure that all troops know the locations of restricted areas and understand these training restrictions. This is imperative since night training may occur. Boundaries are often hard to see at night, but this is no excuse for violations to occur. Two hour time restriction is for 2 hours once every 24 hour period. Note where digging may not occur. All trenches, fighting positions, etc must be filled in prior to leaving an area. There must be no cutting down or intentional destruction of any pine trees throughout the requested area(s).

Hazardous Materials/Waste

Conditions:

Carlos Ariasochoa (706 545 1857), 12/11/2013

Any wastes generated must be evaluated for their hazardous characteristics and disposed of in accordance with all Federal, State and Fort Benning Hazardous Waste Regulations. Appropriate precautions must be taken to prevent hazardous material spills. Adequate quantities of spill response supplies must be on hand while work is being performed. If a spill occurs use notification procedures as outlined in the Fort Benning Hazardous Waste Management Plan. Contain and clean up any spill according to guidance provided by the Environmental Programs Management Branch. 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. Rubbish, empty containers and other waste (including used smoke/C2 canisters) should be removed from the training area. 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. EPMB provides an 8 hours course covering Hazardous Materials/Waste Management, Hazardous Waste Minimization, Safety, and Pollution Prevention.

CWA - Training

Conditions:

Leah Ropski (706 626 0492), 12/12/2013

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.

For environmental considerations to protect water quality; all food service facilities and waste collection areas (including Port-a-Potties) must be located away from any water wells, state waters, and waterways (including drainage ditches) in the vicinity of the training area. Recommended distance of approximately 100 (30 meters) from any water source. For this particular training activity located at the Buchanan Training Area; there are, but not limited to, unnamed tributaries and/or directly to Mill Creek located. No wastewaters should be discharged into waterways. No food, grease, garbage, human waste is to be left on site. All fats/oil/grease and/or solid waste must be collected and dispose of properly. Failure to follow this guidance could cause the site to be close for future use. Recommend use and implementation of FM 4-25.12 (FM 21-10-1) Unit Field Sanitation Team preventive medicine measures when establishing field food service facilities and other waste facilities. To include but not limited to Chapter 2, Section IV: Waste Disposal; Appendix A Lesson 6: Waste Disposal in the Field; Appendix B - Figures B-25, B-26, B-27, B-28. Unit to submit POC in charge of monitoring these activities. For additional specific guidance on field sanitation requirements - contact Fort Benning Preventive Medicine POC: Charlene Mitchell at 706 545-2186.

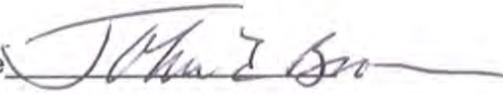
For environmental considerations to protect water quality; all food service facilities and waste collection areas (including Port-a-Potties) must be located away from any water wells, state waters, and waterways (including drainage ditches) in the vicinity of the training area. Recommended distance of approximately 100 (30 meters) from any water source. No wastewaters should be discharged into waterways. No food, grease, garbage, human waste is to be left on site. All fats/oil/grease and/or solid waste must be collected and dispose of properly. Failure to follow these guidance could cause the site to be close for future use. Recommend use and implementation of FM 4-25.12 (FM 21-10-1) Unit Field Sanitation Team preventive medicine measures when establishing field food service facilities and other waste facilities. To include but not limited to Chapter 2, Section IV: Waste Disposal; Appendix A Lesson 6: Waste Disposal in the Field; Appendix B - Figures B-25, B-26, B-27, B-28. Unit to submit POC in charge of monitoring these activities. For additional specific guidance on field sanitation requirements - contact Fort Benning Preventive Medicine POC: Charlene Mitchell at 706 545-2186.

Noise

Conditions:

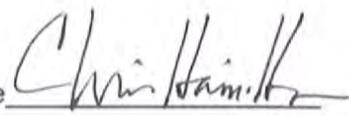
Ellis Leeder (706 545 2400), 12/11/2013

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. Units that do air missions will now be required to bring a copy of their RFMSS request to Lawson Army Airfield (LAAF) when coordinating for Airspace requirements. 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.

Signature 

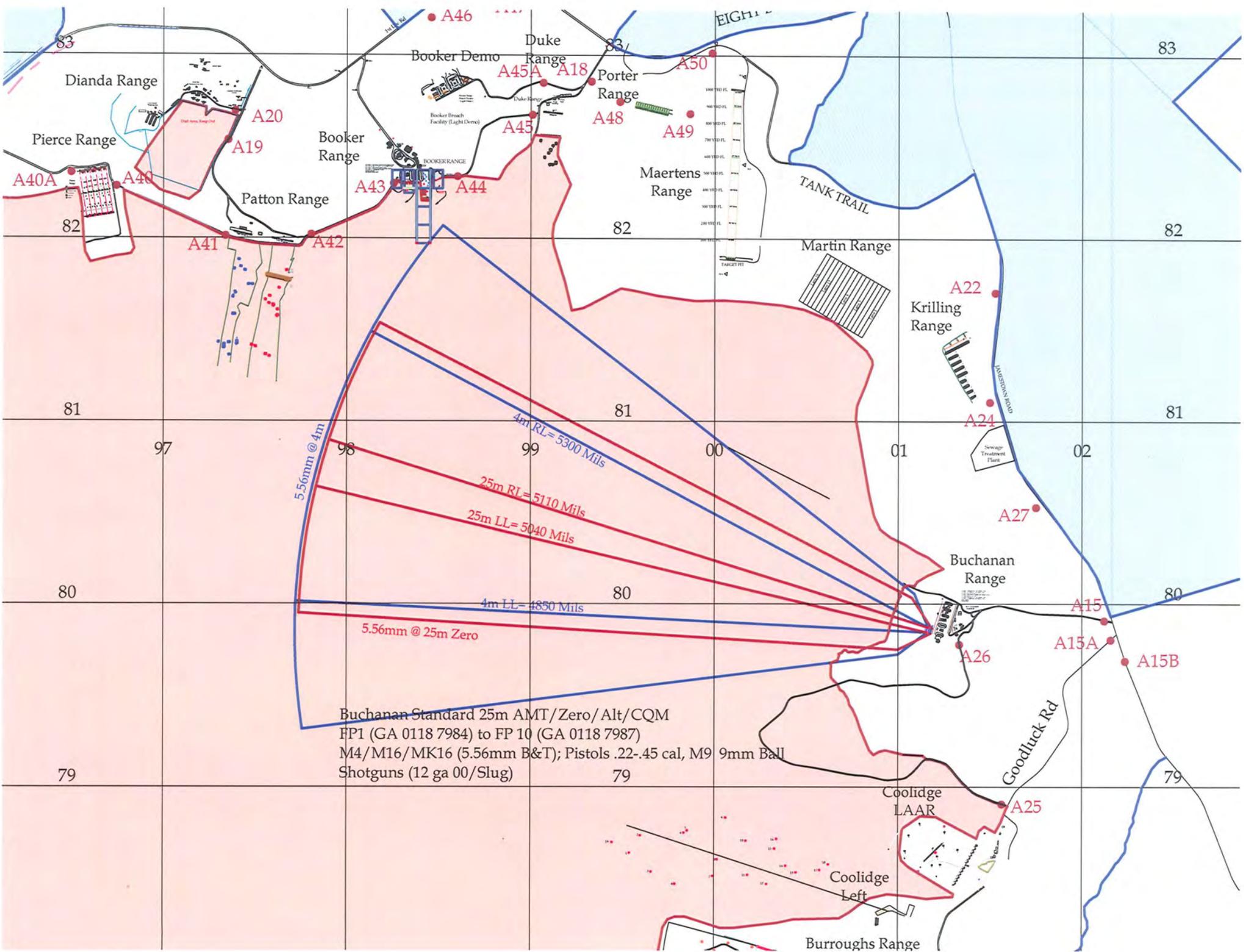
John E Brown
NEPA Program Manager

Date 12 Dec 2013

Signature 

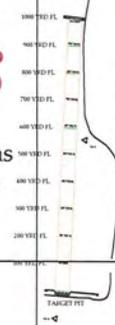
Christopher E. Hamilton, PhD
EPMB Chief

Date 13 Dec 13



Buchanan Standard 25m AMT/Zero/Alt/CQM
 FP1 (GA 0118 7984) to FP 10 (GA 0118 7987)
 M4/M16/MK16 (5.56mm B&T); Pistols .22-.45 cal, M9 9mm Ball
 Shotguns (12 ga 00/Slug)

5.56mm @ 4m
 4m RL = 5300 Mils
 25m RL = 5110 Mils
 25m LL = 5040 Mils
 4m LL = 4850 Mils
 5.56mm @ 25m Zero



Goodluck Rd