

**FIRING/NONFIRING DATA**

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

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

**Date:** 12 DEC 11 Log #9-9-11  
**Range:** Buchanan Range  
**Title:** SRM, 25m Zero, Combat Pistol, Shoot House  
**Problem No:**

**THRU:** S3, 4th Ranger Training Battalion  
Fort Benning GA 31905

**FROM:** HHC, 4th Ranger Training Battalion  
Fort Benning GA 31905

**SECTION I, TYPE OF TRAINING**

a. Live Fire       b. Non-live Fire      CP/Controller Coordinates: GA 0131 7991

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

Coordinates	Type	Model/DODAC	Size of Charges	
N/A				

**SECTION III, WEAPONS/AMMUNITION REQUESTED**

Coordinates of Weapons Position	Type Weapon/Model Number	Type Ammunition	Left Limit	Right Limit
SRM/25m Zero FP1 to FP10: GA 0118 7984 to GA 0118 7987	AK47, M16/M4 M68/PEQ-2A/PAQ-4/AN-PEM 1	7.62x39mm Ball, 5.56mm Ball LASER Aimimn Devices	(25m) 5040 Mils (4m) 4850 mils	(25m) 5110 Mils (4m) 5300 Mils
Shoot House: GA 0122 7980	M16/M4 M68/PEQ-2A/PAQ-4/AN-PEM 1	5.56mm Blank/Ball/Simun itions M68/PEQ-2A/PAQ-4/AN-PEM 1	N/A	N/A
Combat Pistol Course FP1 to FP14: GA 0119 7989 to GA 0123 8002	Pistols: M9, Glock	9mm Ball, .40 & .45 cal Ball	4735 Mils	5420 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:	Training area(s) to be occupied:
<input checked="" type="checkbox"/> Sketch of area:	
<input checked="" type="checkbox"/> Risk Assessment:	<input type="checkbox"/> Scenario of training to be conducted:
<input type="checkbox"/> Attach FB Form 350-19-2-E-R if Mortar or artillery is being fired:	<input type="checkbox"/> Sketch of area(s) to be occupied:
	<input type="checkbox"/> Risk Assessment:

Name/rank of requesting officer:  
Bobbitt, Joshua E., CPT, HHC 4th RBTn Executive Officer

Name/rank of Major Unit S3/Commander:  
Carty, Gary W., CPT, 4th RTBn S3

**SECTION VI, FOR RANGE DIVISION USE**

**DATE:** 15 FEB 12

**TO:** 4th Ranger Training Battalion

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

- a. Roadblocks to be closed:  
b. Road(s) to be closed/road barrier locations:  
c. Remarks:

A18, 22, 24, 25, 26  
LASER WARNING SIGNS WILL BE POSTED PRIOR TO USE. Waiver Required for Shoot House, BST

d. This approval expires: 14 FEB 14  
Chief, Range Division  
Directorate of Plans, Training, Mobilization and Security

*Bob S. [Signature]*



**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

14 February 2012

MEMORANDUM FOR Commander 4<sup>th</sup> Ranger Training Battalion, Attn: 2LT Hyer, Fort Benning, GA 31905

SUBJECT: 4<sup>th</sup> Ranger Training Battalion Squad Weapons Familiarization, Marksmanship and Urban Operations at Buchanan Range Concept and Safety Review

1. References.

a. 4<sup>th</sup> Ranger Training Battalion Squad Weapons Familiarization, Marksmanship and Urban Operations at Buchanan, 13 December 2011.

b. Army Regulation 385-10, The Army Safety Program, 24 August 2007

c. Army Regulation 385-63, Range Safety, 19 May 2003

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, RAR 12 May 2009

h. Field Manual 5-19, Composite Risk Management, August 2006

i. MCoE Regulation 350-19, Range and Terrain Regulation, 23 July 2010

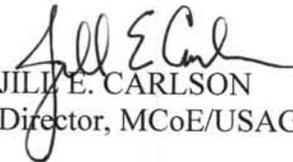
2. Document received on 14 February 2012.

3. Concur.

ATZB-SO

SUBJECT: 4<sup>th</sup> Ranger Training Battalion Squad Weapons Familiarization, Marksmanship and Urban Operations at Buchanan Range Concept and Safety Review

4. 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, 4th RANGER TRAINING BATTALION  
10870 SCHNEIDER ROAD, BLD 5000  
FORT BENNING, GEORGIA 31905

REPLY TO  
ATTENTION OF

ATSH-RBD

13 DEC 2011

MEMORANDUM FOR Directorate of Operations and Training, ATTN: Mr. Fred Weekley, Fort Benning, Georgia 31905

SUBJECT: Concept for Buchanan Range

1. The purpose of this memorandum is to outline the training for conducting weapons marksmanship, weapons familiarization, and urban operations training on Buchanan Range.
2. The purpose of this training is to allow Soldiers to conduct Short Range Marksmanship (SRM) training, familiarization fire with the AK 47 Assault Rifle, as well as to allow Soldiers to conduct a live-fire exercise in urban terrain. During the execution of this training at Buchanan Range, students will train on the following tasks using existing situations:
  - a. Short Range Marksmanship (SRM) to include discriminatory fire, reflexive fire, and quick fire
  - b. Enter/Clear rooms with fire team.
  - c. Enter/Clear rooms with squad.
  - d. Pistol Engagement Techniques.
  - e. Conduct familiarization fire, A K-47 Assault Rifle.
3. The training of these tasks will be supported by the use of blanks and live munitions in and around the following areas/training lanes on Buchanan Range:
  - a. 25m Zero/CQM Range Short Range Marksmanship M16/M4 (Live) and Familiarization fire, AK-47(Live)
  - b. Shoot-house: Enter and Clear a room Team/SQD M16/M4(Blank/Live)
  - c. Combat Pistol Range (cannot be used when 25m Zero Range is in use) ( Live)
4. Tasks to be Trained/Executed
  - a. Short Range Marksmanship (SRM) Training (25m Zero Range): A target line of 10 E-Type targets will be arranged at the 25m range at Buchanan UAC. Firing orders of up to 10 PAX will enter the range. They will then execute short-range engagements (5 /10/15/20/25m ranges), using 5.56mm ball ammunition and M4s or M16s. The focus of this drill is on shooting from different positions, different stances, and target discrimination. Taking the commands from the OIC, Soldiers will be given the command to shoot while moving towards or adjacent to the target. All firing will take place with Soldiers facing the target. Soldiers will turn at the command to fire, face the target, and engage his target. Access to the range will be controlled by having a single access point and a cordon to prevent personnel from entering the range unannounced or outside of the safe fan. The OIC will control all aspects of the range. There will be a minimum safety to firer ratio of 1:1. Weapons will be cleared by the safety after each iteration. All weapons will be cleared going on and coming off the range. Weapons will remain on safe until actively engaging a target.
  - b. Familiarization Fire with the AK-47 Assault Rifle ( 25m Zero Range): For this training, 10 Alt-C targets will be arranged on the 25m range at Buchanan UAC. Each firing point will have one AK-47. Each firing point's weapon will remain at the firing point for the duration of the training-iterations of Soldiers will fall-in on the weapon

at their respective firing point. Each Soldier will be given one, 30 round magazine. At the command to fire, the Soldier will fire 10 rounds each from the prone, kneeling and standing positions. Access to the range will be controlled by having a single access point and a cordon to prevent personnel from entering the range unannounced or outside of the safety fan. The OIC will control all aspects of the range. There will be a minimum safety to firer ratio of 1:3. Weapons will be cleared by the safety after each iteration. All weapons will be cleared going on and coming off the range. AK must be certified by armory land ammo.

c. Pistol Engagement Techniques (Combat Pistol Range): The purpose of this training is to perform CQM, qualification and practice with pistols. At all times, weapons will be oriented down range or at the ground. When Soldiers are moving and shooting, they will remain on-line with each other and will begin and end moving at the same time. This will be a live fire exercise using various types of pistols and ammunitions- 9mm, 40 CAL and 45 CAL.

d. Enter and clear a room with fire team and squad (Shoot-house): The purpose of this training is to demonstrate and execute room clearing procedures using live ammunition. Instructors will perform 100% weapons and ammo checks to ensure no live ammo is mixed with blank ammo. Training will consist of multiple room clearing procedures, single room and single team to multiple rooms and multiple teams. This shoot-house is used for Dry/Blank and Live Fire Training. Each team will successfully complete, to standard, dry, blank and live fire iterations of the "Single Team, Single Room" Scenario (see attached concept sketch). Once each team of a squad has completed this scenario, the squad will then conduct dry, blank and live fire iterations of the "Multiple Team, Multiple Room" Scenario. Range safety personnel will control the environment from safe positions on the ground and the cat-walks. Participants will use all equipment (ACH and Body Armor) necessary for training IAW Facility and post Regulations. Soldiers will load after inside shoot house and clear before exiting the shoot house. Range safety personnel will control the loading and locking of all weapons and will ensure all weapons are properly cleared after the training event. All blank adapters will be moved prior to LFX.

## 5. Safety Measures

a. Shoot-House: Prior to any LFX, signs will be posted in clearly visible areas around the shoot-house to alert all personnel that live rounds are being used and not to enter the shoot-house without the proper safety equipment. Additionally, gate guards will be placed at the entrance of the range complex to ensure monitored access to the range. All participants will have the appropriate safety equipment on (eye/ear pro, body armor and ballistic helmets). A safety sweep of the perimeter and interior of the shoothouse will be conducted NLT 30 min prior to execution to ensure that no unauthorized personnel are within the training boundaries.

- All live ammunition will be kept separate from all other ammunition at all times to prevent mixing with live and blank guarded by the Ammo NCOIC.
- All personnel will participate in a safety briefing/orientation on the use of the shoot-house.
- Prior to all iterations of the LFX, a weapon and ammo inspection will be conducted to ensure that no unauthorized munitions or weapons are being used. All LFXs will use M16/M4 in the shoot-house only.
- All shooters will be briefed on aim at their targets center mass.
- The crawl, walk, run method of training will be enforced. Soldiers will conduct dry and blank fires prior to conducting the LFX. The OIC will certify Soldiers/Teams/Squads prior to conducting the shoot-house LFX.
- There will be controllers on the cat-walks and on the ground providing guidance, supervision, and safety.
- Soldiers will be briefed on the emergency alarm located in the shoot-house prior to training.
- Positive control will be maintained on Soldiers at all times.
- No automatic fire will be conducted in the Shoot House; only weapon system that will be trained is the M4.
- All Soldiers will have a minimum of eight hours sleep prior to the range.

### b. 25-Meter Zero Range:

- Live ammunition will be kept separate from all other ammunition at all times to prevent mixing of blank and live.

- Range safety personnel will conduct brass and ammo check prior to shooters entering and leaving the range.
  - At all times, weapons will be oriented down range or at the ground. When Soldiers are moving and shooting, they will remain on-line with each other and will begin and end moving at the same time.
  - All weapons will be cleared by the Soldiers under range safety supervision.
- c. Combat Pistol Range (Pistols: M9, Glocks only)

- Soldiers will be issued their ammunition at the ASP and move to their positions on the firing line. The safety NCO will give a briefing and inform the shooters of the range boundaries and the course layout.
- Soldiers will wear appropriate uniforms and equipment IAW the Risk Management Worksheet.
- Before shooters depart the firing line, the safety NCO will ensure that all pistols are cleared and receivers are locked to the rear position. All Soldiers will be inspected for ammunition.
- At all times, weapons will be oriented down range or at the ground. When Soldiers are moving and shooting, they will remain on-line with each other and will begin and end moving at the same time.

## 6. General

a. A Combat Life Saver (CLS) will be on the firing range will be located where he can best assist or treat a casualty along with FLA's on site.

b. The Range Safety Officer (RSO) will maintain contact with all posted guards on the perimeter or the training area.

c. Soldiers will be briefed on the immediate action in case of a misfire.

d. A covered vehicle will be located on the range as a designated MEDEVAC vehicle with a stretcher and a CLS Bag.

e. During all firing, the firing line will be clear of all personnel. The only personnel on the range will be the Safeties and the Soldiers conducting training.

f. In the event of a cease-fire on the range, the command will be echoed throughout the entire firing line. All weapons will be cleared and put on safe. All safeties will physically inspect all weapons and instruct all firers to stand up and away from the weapons.

g. Uniform for the range will be per unit SOP (ie. Helmet, IBA, Safety glasses/hearing protection).

h. Brass and Ammo checks will be conducted at the completion of each training event and prior to leaving the range.

i. Unit will police all brass and trash prior to closing the range.

j. 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 to opening range. Range safety Briefing will include hazards using Lasers and NVD's.

k. 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.

l. When an incident occurs on the range, regardless of injury or not, the OIC/RSO will immediately report it to Range control and the using unit's higher headquarters. 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, SS#, Rank and unit of injured personnel.
- h. Extent of property damage.
- i. Intentions regarding an AR 15-6 investigation.

m. 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 us and will be marked appropriately. Using units higher Headquarters and Range Control will be notified in this event.

n. Weapons/Ammunition Malfunction Reports: When a malfunction is experienced, the OIC or Range Safety Officer will suspend all firing and immediately notify Range Control. Retain the weapons and all components and ammunition involved in place. An investigation is required and will be conducted by DOL.

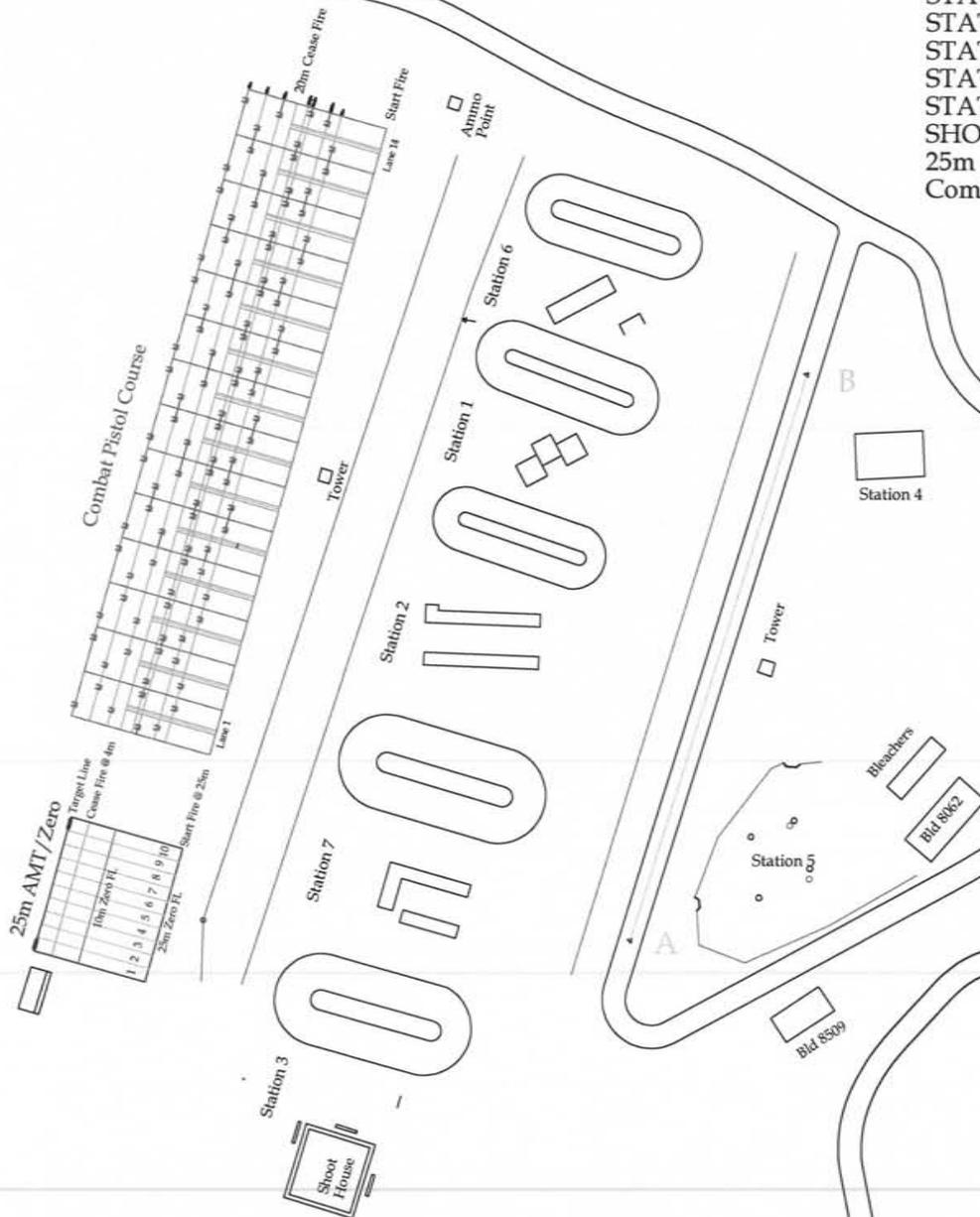
o. Tactical vehicles will be the mode of transportation out to Buchanan Range.

7. Point of contact for this request is CPT Bobbitt at (706) 604-8523.

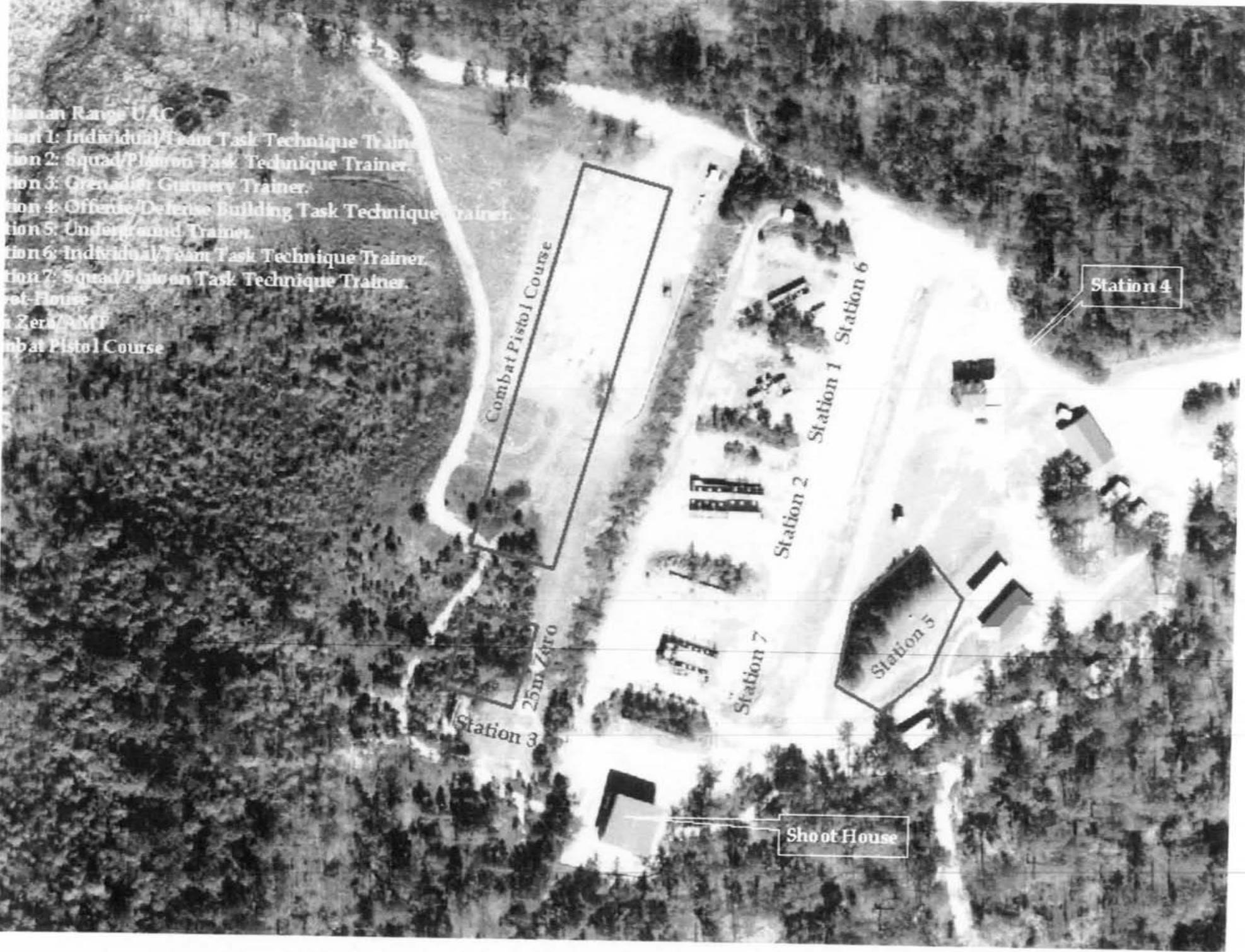
  
BRANDON M. KENNEDY  
CPT, IN  
Commanding

- 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



Human Range UAC  
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 Zero  
Combat Pistol Course



Station 4

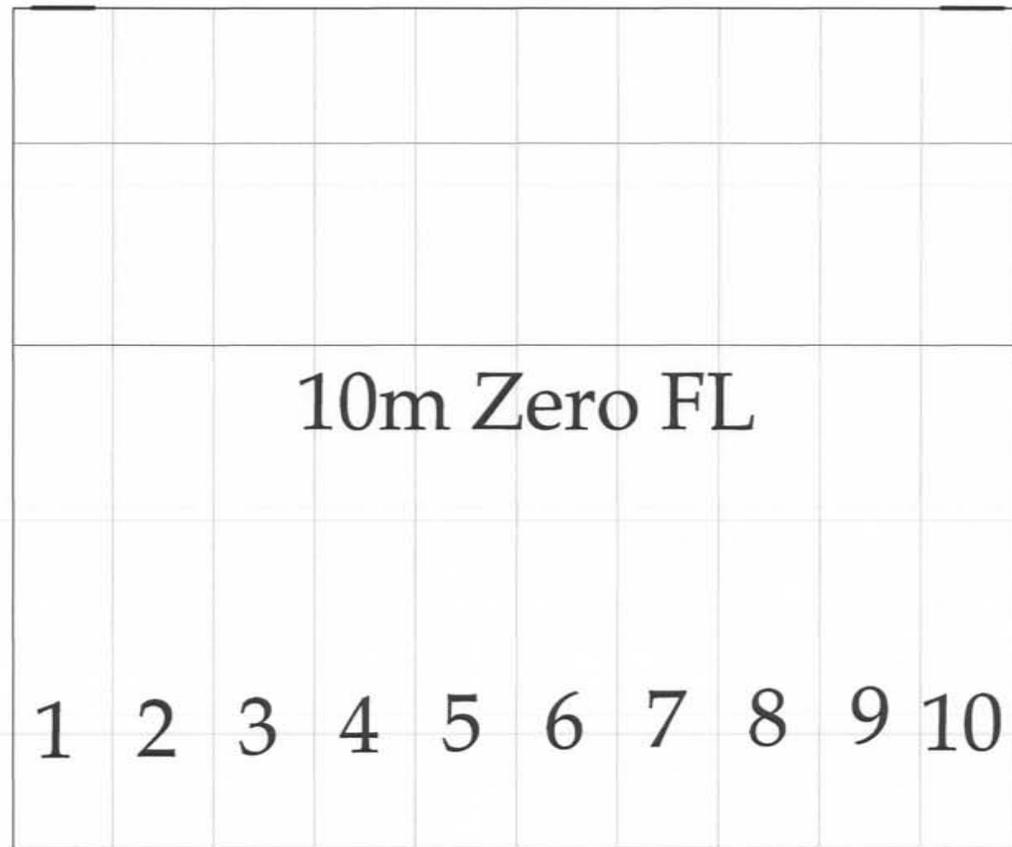
Shoot House

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



Target Line

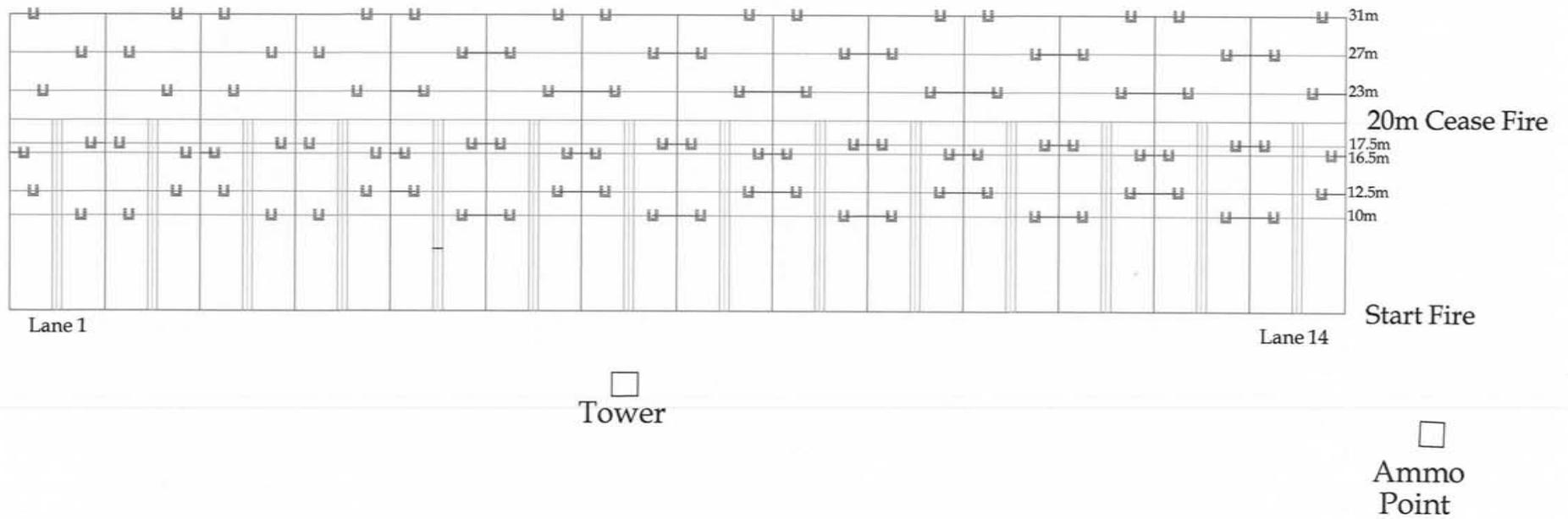
Cease Fire @ 4m

10m Zero FL

Start Fire @ 25m

25m Zero FL

# Combat Pistol Course

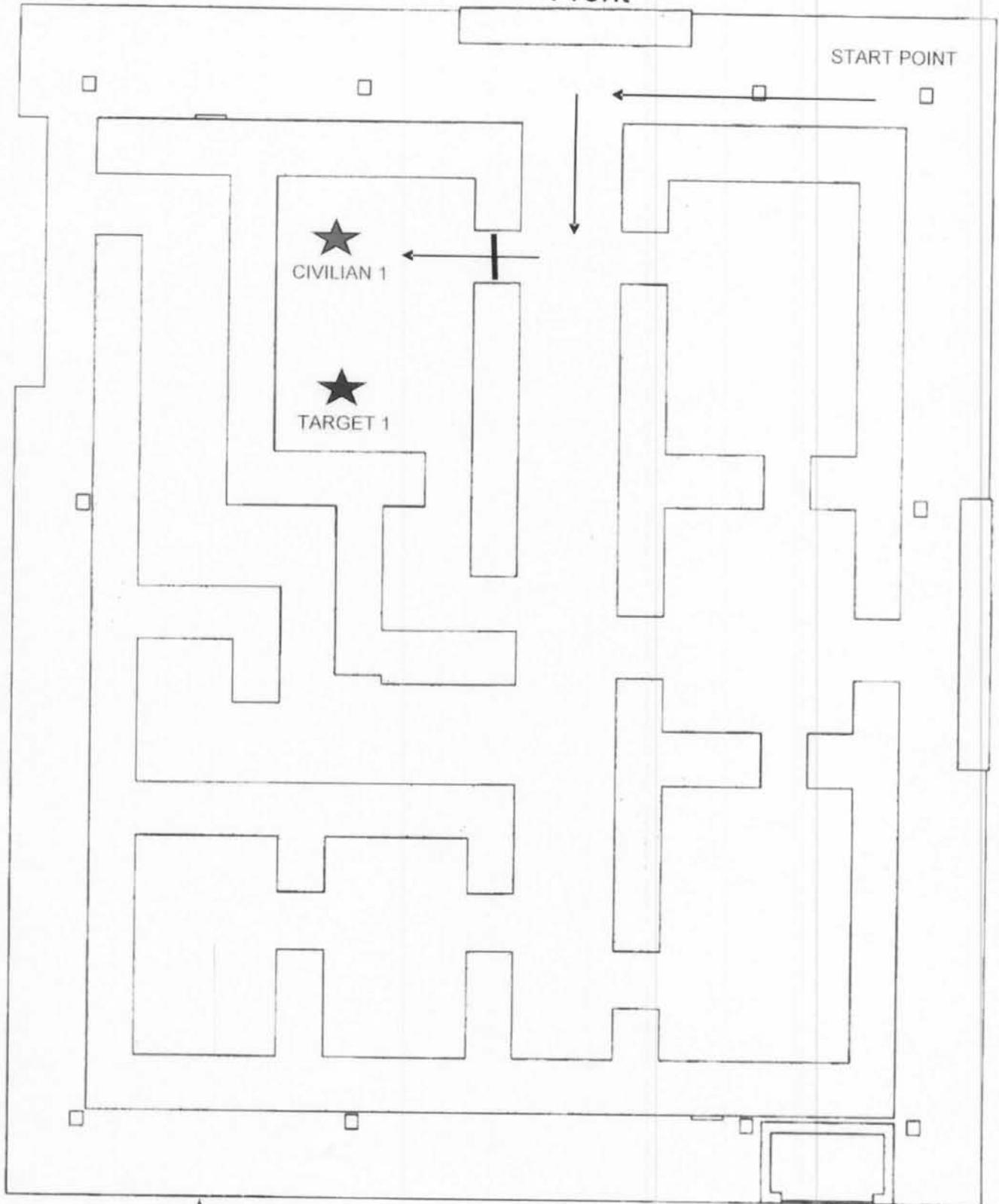


# Buchanan Range Shoot House Annex 1

Single Team, Single Room

Front

START POINT



★ = Enemy Drop Tgt.

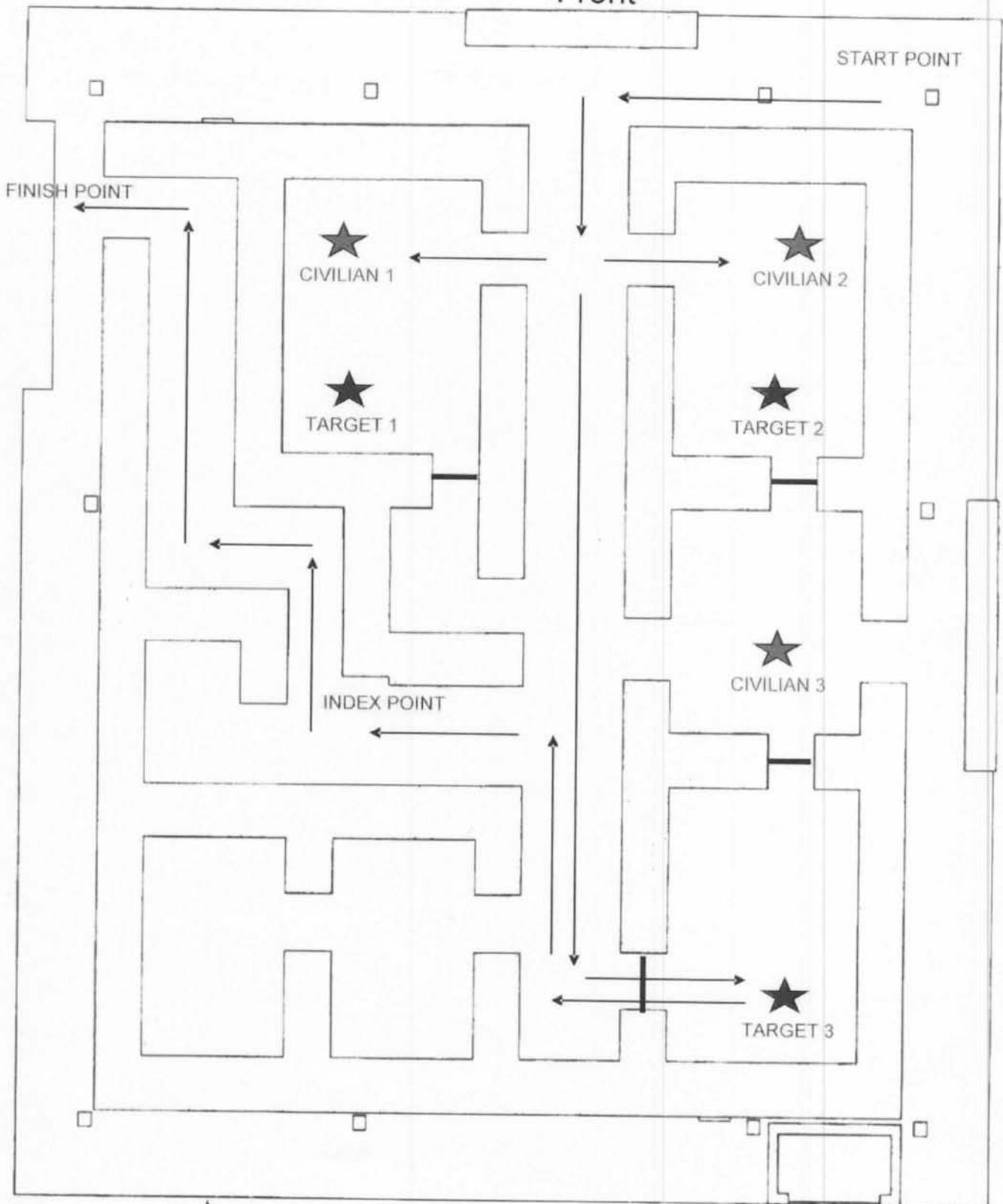
— = Mechanical Breach Wooden Door

↪ = Team 1 Movement

# Buchanan Range Shoot House Annex 1

Multiple Team, Multiple Room (Squad)

Front



★ = Enemy Drop Tgt.

— = Mechanical Breach Wooden Door

↪ = Team 1 Movement

## Control Measures

1. OC with each 4-man stack
2. RSO on catwalk
3. Rehearse ceasefire as part of BFX

## Emergency Cease Fire Procedures

1. Voice
2. Whistles
3. Any white light
4. Emergency Alarm (located in shoot-house)

Concept = Each team successful completes dry, blank and live fire iterations in the single team, single room scenario. Once each team completes the single team, single room scenario, the squad then conducts the multiple team, multiple room scenario.

Approach = foot from hasty c/c position

Iterations = 1 x dry, 1 x blank, 2 x live (Go to Live only after successful completion of dry and blank iterations).

Targets = drop targets, E-type

Day-light fire only.

Furnishings = none

Enemy = 6

Civilians = 0

Breach = mechanical

## COMPOSITE RISK MANAGEMENT WORKSHEET

For use of this form, see FM5-19; the proponent agency is TRADOC

1. MSN/TASK <b>BUCHANAN RANGE</b>	2a. DTG BEGIN <b>130600 FEB 2012</b>	2b. DTG END <b>130600 FEB 2013</b>	3. DATE PREPARED (YYYYMMDD) <b>2011/07/11</b>
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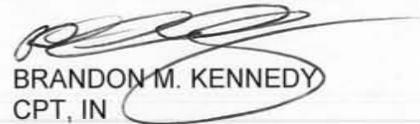
4. PREPARED BY:		
a. LAST NAME <b>BOBBITT, JOSHUA</b>	b. RANK <b>CPT</b>	c. POSITION <b>HHC EXECUTIVE OFFICER</b>

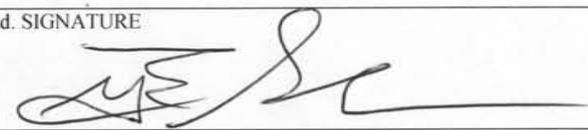
5. SUBTASK	6. HAZARDS	7. INITIAL RISK LEVEL	8. CONTROLS	9. RESIDUAL RISK LEVEL	10. HOW TO IMPLEMENT	11. HOW TO SUPERVISE (WHO)	12. WAS CONTROL EFFECTIVE?
Buchanan Range	Range/ General Situational Awareness	Moderate	1. RSO will prepare the Daily Risk Assessment. 2. Know the 8-digit grid of the range PZ and be prepared to mark and run PZ for air MEDEVAC. Air MEDEVAC will be used when loss of life, limb, or eyesight is imminent. 3. Ensure FLA and Medics are on site. 4. Review evacuation procedures for serious incidents. 5. Anyone may call a cease fire if they observe an unsafe act. 6. Range limits are clearly marked and briefed.	Low	1. OIC conducts risk management worksheet. 2. RSO marks PZ  3. RSO and medic coordination 4. RSO and medic coordination 5. RSO safety brief  6. RSO spotcheck	Range OIC/ NCOIC, Range Safety Officer, Safeties, Leaders, Individual Soldier	

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

  
**BRANDON M. KENNEDY**  
 CPT, IN  
 Commanding

14. RISK DECISION AUTHORITY			
a. LAST NAME <b>SCHABBEHAR</b>	b. RANK <b>LTC</b>	c. DUTY POSITION <b>COMMANDER, 4<sup>TH</sup> RTBn</b>	d. SIGNATURE 

ITEMS 5 THROUGH 12 CONTINUED:

5. SUBTASK	6. HAZARDS	7. INITIAL RISK LEVEL	8. CONTROLS	9. RESIDUAL RISK LEVEL	10. HOW TO IMPLEMENT	11. HOW TO SUPERVISE (WHO)	12. WAS CONTROL EFFECTIVE?
Buchanan Range	Negligent Discharge	High	<p>1. Range OIC/NCOIC or range safety NCO will ensure that the standard safety briefing is read to all Soldiers which covers range procedures and course negotiation.</p> <p>2. Brief all Soldiers on cease fire procedures. Any Soldier can call a cease fire if an unsafe act is observed. Each individual will act as a safety.</p> <p>3. Range OIC/NCOIC will ensure that medics and FLA are on site.</p> <p>4. Range OIC/NCOIC/RSO will ensure that all Soldiers on the range are in the proper uniform (ACUs complete, FLC complete, body armor, and helmet) before any Soldiers start firing.</p> <p>5. All Soldiers will enter and exit range at the low ready.</p> <p>6. Range OIC/NCOIC and safety NCO will go to a self imposed check-fire during accidents or injuries. If there is an injury, range control will be notified so that the inspectors can inspect the weapon and ammunition.</p> <p>7. All Soldiers will clear their weapons prior to exiting the range and will be checked by an NCO before leaving the firing area.</p> <p><b>Special Instructions for Shoot House:</b></p> <p>1. If the Buchanan Range Shoot House is used Soldiers will conduct a dry fire and a blank fire. The CO CDR will certify if a Soldier/Team/are prepared to live fire.</p> <p>2. Range cadre will brief Soldiers on range limits. If the Shoot House is used range cadre will brief Soldiers on shoot house layout and boundaries.</p>	Moderate	<p>1. OIC Brief</p> <p>2. OIC Brief/ Soldier Safety</p> <p>3. NCOIC and medic coordination</p> <p>4. NCOIC spot check</p> <p>5. RSO &amp; Safeties spot check</p> <p>6. RSO and safeties control movement</p> <p>7. RSO &amp; Safeties spot check</p> <p>1. CO CDR supervision</p> <p>2. OIC/RSO brief</p>	Range OIC/ NCOIC, Range Safety Officer, Safeties, Leaders, Individual Soldier	

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?
Buchanan Range	Fratricide	HIGH	<p>1. RSO will conduct a safety briefing to all Soldiers stressing muzzle awareness.</p> <p>2. Soldiers will follow weapons clearing procedures.</p> <p>3. RSOs will ensure firers are following the NCOIC's commands.</p> <p>4. Any Soldier that accidentally fires their weapon before the command is given will be taken off the firing line and given a class on fire commands by the training unit. If the same Soldier accidentally fires their weapon again before the fire command, that Soldier will be removed from the range by the RSO. Each individual will act as a safety.</p> <p>5. A safety sweep of the perimeter and interior of the shoot house will be conducted NLT 30 minutes prior to execution to ensure that no unauthorized personnel are within training boundaries.</p> <p><b>Special Instructions for Shoot House:</b></p> <p>1. All Soldiers will be zeroed and qualified, at a minimum of Alt-C, prior to the execution of the range.</p> <p>2. Only targets that in front of the firers will be used while conducting live fire exercises.</p> <p>3. The CO CDR will approve all shoot house scenarios and target placement; CO CDR present for maneuver live fire.</p> <p>4. The RSO will inspect shoot house for ricochet hazards prior to live fire</p>	Moderate	<p>1. RSO Brief</p> <p>2. RSO Brief</p> <p>3. RSO Brief and observation</p> <p>4. RSO observation/ Soldier Safety</p> <p>5. OIC/RSO spot checks</p> <p>1. PLT conducts qual</p> <p>2. Range Safety supervision</p> <p>3. CO CDR validation</p> <p>4. RSO spot checks</p>	Range OIC/ NCOIC, Range Safety Officer, Safeties, Leaders, Individual Soldier	

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?
Buchanan Range	Unexploded Ordinance	Moderate	1. RSO will deliver a safety briefing that includes dangers of handling unexploded ordnance/dud rounds. 2. All duds will be reported to range control.	Low	1. IAW AR 385-63 and DA PAM 385-63, Range Safety 2. Range safety brief to leaders	Range OIC/ NCOIC, Range Safety Officer, Safeties, Leaders, Individual Soldier	
	Ammunition/ Pyrotechnics	Moderate	Ammunition NCO: 1. Ammo points will be under positive control of a designated Ammo NCO. 2. Soldiers who have completed firing will be checked for ammunition before departing the range. 3. RSO/ Ammo NCO will insure there is no smoking within 60 ft of ammunition point and that there are two fire extinguishers available. 4. No live ammunition will be kept at the designated range ammo point while blank ammunition is being used. If live ammo is on sight it is kept in a containment area at least 50 feet away in sight of Ammo NCO at all times.	Low	1. NCOIC designates Ammo NCO 2. NCOs check Soldiers 3. Cover in safety brief, Ammo NCO spot checks 4. Coordination between NCOIC and Ammo NCO		
	Hearing/ Eye Loss	Moderate	1. Soldiers will wear hearing protection when firing. 2. Eye protection will be worn. 3. Extra earplugs will be available.	Low	1-3. NCOIC conducts PCCs and PCIs, spot checks		
	Minor Body Injury (Cuts or Falls)	Moderate	RSO will deliver a safety briefing that includes hazards of the range.	Low	1. Range safety brief to leaders		
	Weapon Malfunctions	Moderate	Soldiers briefed on actions to take in case of malfunction.	Low	1. SPORTS 2. Range safety brief		

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?
Buchanan Range	Environmental Considerations (Hot / Cold Weather Injuries, Lightning Strikes)	High	1. Refer to BDE CRMW (Environmental Considerations) for additional information. 2. Weather will be monitored for heat category or severe weather 3. Previous hot/cold injuries will be monitored through the buddy system	Moderate	1. RSO covers in safety brief 2. Medics monitor and update RSO 3. Previous HWI/CWI marked and tracked by NCOIC	Range OIC/ NCOIC, Range Safety Officer, Safeties, Leaders, Individual Soldier	
	Snake Bites and Allergic Reactions		1. Range OIC/RSO will inform Soldiers during safety brief of various types of plants and wildlife that are hazardous and warn them not to harass the wildlife  2. Soldiers will notify cadre and range control in the event of an emergency and provide buddy aid	Low	1. Inform Soldiers of hazards/ Direct Supervision  2. Individual responsibility		

**BUCHANAN, 4TH RTB, ROADBLOCK LIST , 4 JAN 12**

BLOCK	GRID	LOCATION	TYPE
A-1	911 792	Across firebreak 200m down Fiske Range at right end of KD berm. Permanently closed.	Cable
A-2	910 783	Off Sightseeing Rd on unnamed trail opposite of entrance to LRC.	Gate
A-4	925 766	Off Sunshine Rd 1,200 m W. of entrance to Grandstaff range.	Gate
A-5	936 762	Across entrance road to Grandstaff Range. 10m N. of Sunshine Rd.	Gate
A-6	939 763	Off Sunshine Rd 100m W. of Oswichee Creek. Permanently closed.	Cable/Berm
A-8	968 740	Across unnamed trail 30m N. of Sunshine Rd and 800m N.W. of entrance to Griswold Range.	Gate
A-10	018 730	Across entrance road to Flint Range. 50m N. of Sunshine Rd.	Gate
A-11	019 731	Across Lumpkin Trail 30m N. of its intersection with Sunshine Rd.	Gate
A-11A	032 729	Rd guard pos # 2 for Garnsey Rng Obj 'E' (intersection Jamestown/Sunshine Rd's	Rd Grd # 2
A-12	033 742	Across Garnsey Rd 50m W. of its intersection with Jamestown Rd.	Gate
A-12A	029 744	Across Garnsey Rd 400m W. of A-12 Roadblock.	Gate
A-12B	028 741	Across trail 150m SW of A-12A Roadblock. 50m W. of Range Bldg.	Gate
A-12C	036 746	Road guard position # 3 for Garnsey Rng Objective 'E' (Jamestown at Lightning Rd)	Road Guard # 3
A-13	936 762	Across Sunshine Rd 10m E. of the entrance to Grandstaff Range. (Road guard location)	Gate
A-14	974 733	Across Sunshine Rd 10m W. of the entrance to Griswold Range. (Road guard location)	Gate
A-15	021 799	Across entrance road to Buchanan Range.	Gate
A-15A	021 798	Gate Across Good Luck Rd	Gate
A-15B	022 796	Road guard position # 1 for Garnsey Rng Objective 'E' (Jamestown road SW corner of Engineer building)	Road Guard # 1
A-18	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	973 825	Across entrance road to Patton Range 400m S. of its intersection with 1st Div Rd.	Gate
A-20	974 827	Across entrance road to Dianda Range. 300m S. its intersection with 1st Div Rd.	Gate
A-22	015 817	Across unnamed trail 50m N. of Brinson Range and 10m off Jamestown Rd.	Gate
A-23	024 744	On unnamed trail N. of road entering Garnsey Range. 100m W. of ammo point on range.	Cable
A-23A	005 748	On Lumpkin trail 50m NW of Objective 'E' on Garnsey Range.	Gate
A-24	015 811	10m inside entrance gate of Brinson Rng south of entrance road.	Gate
A-25	016 789	Across fire break 10m W. of its intersection with Good Luck Rd.	Gate
A-26	013 798	On L/S of Buchanan Range 50 meters W. of chow area across entrance to fire break.	Cable
A-27	018 805	Across unnamed trl 175m N of intersection of Hourglass and Jamestown roads	Gate
A-28	012 774	20 meters off Yankee road on south side of Galloway range.	Gate
A-28A	011 776	30 meters south of Range Tower	Gate
A-30	026 758	Across fire break leading to Garnsey Range. 140m SW of Brann Flat Range.	Gate

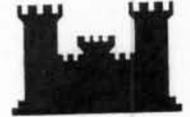
BLOCK	GRID	LOCATION	TYPE
A-30A	027 758	Across trail leading to Garnsey Range 50m E. of A-30 Roadblock	Gate
A-31	020 745	Across fire break leading to Brann	Cable
A-32	989 724	Across entrance road to Kunzig Range.	Gate
A-33	974 734	Across entrance to Griswold Range.	Gate
A-33A	979 739	150 meters west of Target Systems bldg	Gate
A-34	947 760	Across entrance to Minter Hill 700m E. of Oswichee Creek.	Gate
A-38	952 816	Across fire break 300m down range of firing line on Red Cloud Range on L. side of range.	Cable
A-39	956 822	Across unnamed trail 100m S. of bldgs on Buckner Range on L. side of range	Cable
A-40	967 823	Across fire break 50m down range on the left side of Pierce Range.	Gate
A-41	972 820	Across fire break located on the right side of the firing line on Patton Range.	Cable
A-42	978 820	Across fire break located on the left side of the firing line on Patton Range.	Cable
A-43	983 823	Across fire break located on the right side	Cable
A-44	986 823	Across fire break 100m E. of the 25m flat	Gate
A-45	990 827	Across fire break located on the right side of the firing line on Duke Range.	Gate
A-45A	991 829	Across Booker Breach site entrance road 200m past Duke Rng entrance gate	Gate
A-46	984 832	Across unnamed trail 100m W. of the intersection of 1st Div Rd and Ivy Rd.	Gate
A-47	990 833	Across unnamed trail 500m W. of the intersection with 1st Div & Buckeye Rd's	Gate
A-48	995 827	Across fire break located on the right side of the firing line on Porter Range.	Cable
A-49	998 827	Across fire break located on the left side of the firing line on Porter Range.	Cable
A-50	000 830	Across unnamed trail 200m W. of entrance to Maertens Range.	Gate
A-51	031 791	Barrier on Furman Rd	Barrier 1
A-52	034 776	Barrier on Yankee Rd	Barrier 2
A-53	035 776	Gate to Cole Range	Barrier 3
A-54	046 749	Barrier off Lightning Rd on unnamed trail	Barrier 5
A-55	057 759	Barrier off Lightning Rd on unnamed trail	Barrier 4

BLOCK	GRID	LOCATION	TYPE
B-1	076 715	Across Liberty Rd 30m N. of its intersection with River Bend Rd.	Gate
B-2	066 711	Across Blue Ridge Trail 30m N. of its intersection with River Bend Rd.	Gate
B-3	048 697	Across Jamestown Rd 30m N. of its intersection with River Bend Rd.	Gate
B-4	042 695	Across unnamed Trail 30m N. of its intersection with River Bend Rd.	Gate
B-5	020 690	Across unnamed Trail 30m N. of its intersection with River Bend Rd.	Gate
B-6	016 691	Across unnamed Trail 30m N. of its intersection with River Bend Rd.	Gate
B-7	998 707	Across Sedan Trail at reservation boundary. Permanently closed. (must coordinate with NSA to access)	Berm

BLOCK	GRID	LOCATION	TYPE
X-1	923 739	Across unnamed rd leading to Fryar DZ 300m S. of its intersection with 101st Abn. Div. Rd.	Gate
X-2	916 726	Across Bon Acre Rd 100m from the reservation boundary.	Gate
X-3	919 714	Across unnamed trail at SW corner of Fryar DZ.	Gate
X-4	920 736	Across unnamed road leading into the N end of Fryar DZ, 380m S-E of Hite Bowl.	Gate



# RECORD OF ENVIRONMENTAL CONSIDERATION (REC)



**EMD Number:** 1119302

**Project#:** Unknown

**Project Title:** Conduct basic and advanced rifle marksmanship

**Description of proposed action:**

Unit will conduct basic and advanced rifle marksmanship. No vehicles will travel off trails. Mout operations, urban breaching techniques and live fire shoot house. Special Demolitions and Bobby Traps.

**Project Location:**

Buchanan Range

**Amount, Description, Location of Disturbance/Digging:**

N/A

**Number/Types of Vehicles:**

N/A

**Number of Personnel:**

N/A

**Type of Ammunition:**

5.56mm Live and Blank

**Number/Types of Trees:**

N/A

**Duration of Action:** Start: 10/1/2011

Stop: 9/30/2012

**Size of Project Area:**

**Proponent:** Joshua Bobbitt (706) 604-8523

**Organization/Unit:** 4th RTBn

\*\*\*\*\*  
**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, 2012**

**Noise**

**Conditions:**

Ellis Leeder ( 706 545 7576), 7/13/2011

This is normal training or flight training operations that must be conducted annually. If there are any complaints received, the Environmental Management Division IONMP and or POA programs will investigate by determining if the noise was detected by noise detection monitors, and then recommending operational noise mitigation actions to the appropriate personnel for the training actions. Please follow the MCoE Regulation 350-19 Army Sustainable Range Program Training Range and Terrain Regulations and Garrison guidelines addressing operational noise management and hours of firing operations per and (SEE CHAPTER 5 -1 SECTION C (Requests to fire .50 caliber or larger munitions, including demolitions) . In accordance with the Army's policy on environmental noise management, all efforts shall be made to minimize noise annoyances to the highest extent practicable with training operations without interfering with the proposed missions. Please follow the fly friendly program avoiding no fly zones. If any assistance or a copy of MCoE Regulation 350-19 is needed please feel free to contact Ellis Leeder at 706.545.2400 or email ellis.leeder@us.army.mil

**Natural Resources - RCW**

**Conditions:**

Michael Barron (706 544 7080), 7/12/2011

**See attached conditions. Note locations of red-cockaded woodpeckers 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).**

EMD Number: 1119302

IJO# Unknown

Project Title: conduct basic and advanced rifle marksmanship

CWA - Training

Conditions:

( ), 7/21/2011

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 (Figure 6.9.1) 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.

SPECIAL NOTE: See 2010 ASP SOP Training and Deployment.doc for further training requirements.

Hazardous Materials/Waste

Conditions:

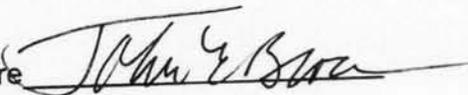
Dudley Carson (706 545 7570), 7/13/2011

Considerations for Dry Fire/Live Fire Training

Appropriate precautions must be taken to prevent hazardous material spills. Have adequate quantities of spill response supplies on hand. If a spill occurs use notification procedures as outlined in the Fort Benning Hazardous Waste Management Plan. Contain and clean up spill according to guidance provided by the Environmental Protection Management Branch. Any waste generated must undergo a waste stream analysis to determine appropriate management requirements to include weapons cleaning patches, rags, and swaps. If any hazardous waste is generated it must be managed in accordance with Federal, State, Army and Fort Benning regulations. The Environmental Program Management Branch (EPMB) provides an 8 hour course covering Hazardous Waste Management, Hazardous Waste Minimization, Safety, and Pollution Prevention. Call the EPMB at 545-7570 for class schedule and to register for class.

All excess, unused munitions (to include Defective, misfired, or otherwise unserviceable munitions.) must be returned to the Ammunition Supply Point after the field exercise is completed. A dud shall not be removed from the range; it will be marked, called into range control and will be properly disposed of by EOD personnel IAW/MCOE Reg. 350-19 dated, 23 July 2010. Ensure personnel know the correct procedure for handling misfires at the range/training area. Closed containers (ammunition can marked "MISFIRES") will be used for the collection of misfires at the firing range(s). The MISFIRE container will stay closed except to add or remove misfires. Misfires SHALL NOT BE COLLECTED in any open container or cardboard box. Contact EPMB for detailed information on the proper disposal of waste products resulting from the training.

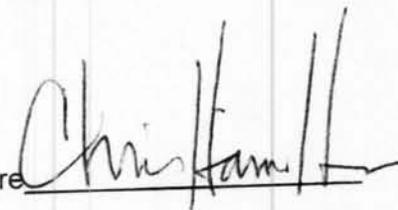
Rubbish, empty containers and other waste (including used smoke canisters) should be removed from the training area after the exercise. Contact EPMB for detailed information on the proper disposal of waste products resulting from the exercise.

Signature 

John E Brown

NEPA Program Manager

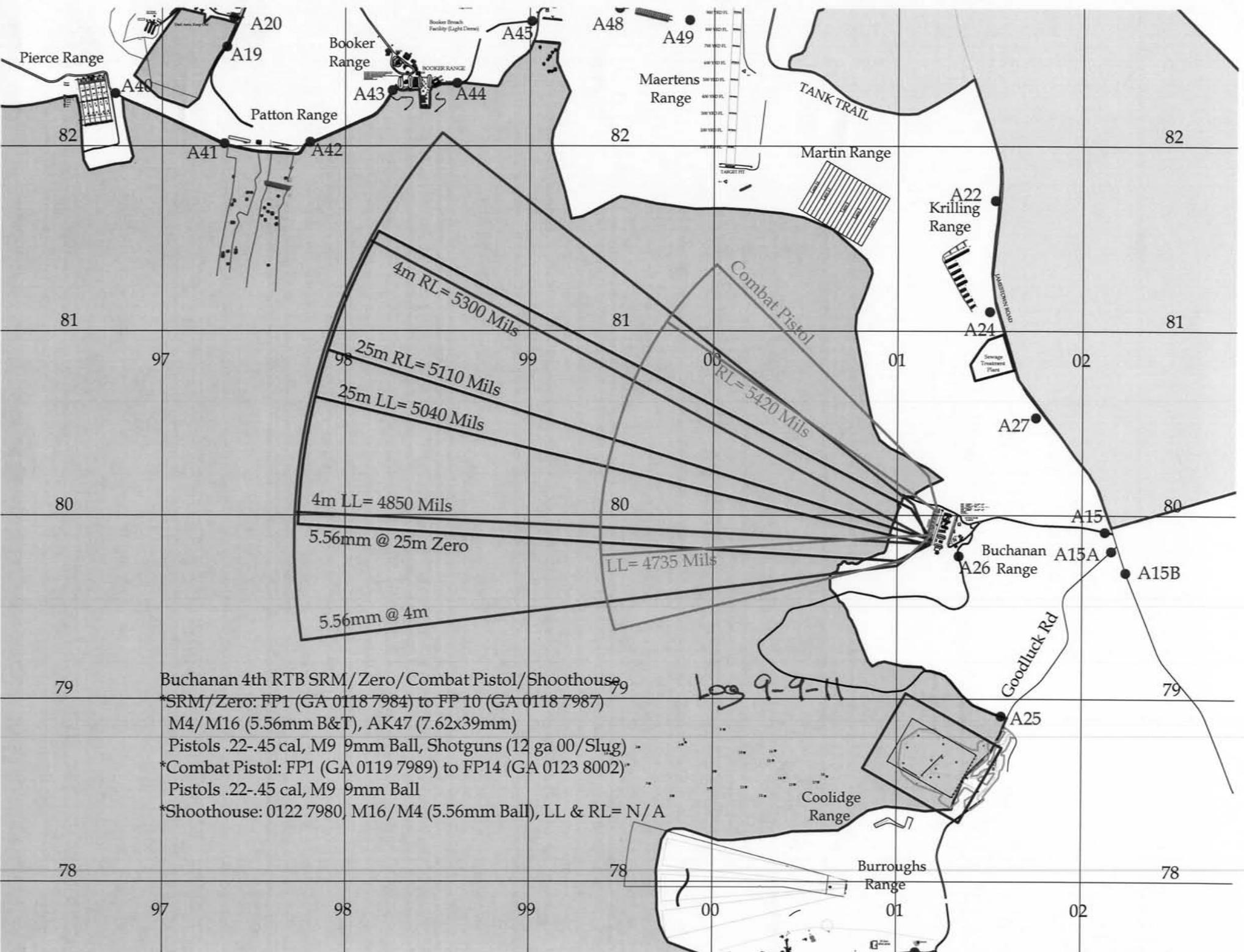
Date 26 JULY 2011

Signature 

Christopher E. Hamilton, PhD

EPMB Chief

Date 26 JUL 2011



Buchanan 4th RTB SRM/Zero/Combat Pistol/Shoothouse  
 SRM/Zero: FP1 (GA 0118 7984) to FP 10 (GA 0118 7987)  
 M4/M16 (5.56mm B&T), AK47 (7.62x39mm)  
 Pistols .22-.45 cal, M9 9mm Ball, Shotguns (12 ga 00/Slug) -  
 \*Combat Pistol: FP1 (GA 0119 7989) to FP14 (GA 0123 8002)\*  
 Pistols .22-.45 cal, M9 9mm Ball  
 \*Shoothouse: 0122 7980, M16/M4 (5.56mm Ball), LL & RL= N/A

Log 9-9-11