

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: 30 Apr 13 Range: Griswold Title: Squad Live Fire Exercise (MTC) Problem No: N/A
THRU: Operations Officer, 2-11th Infantry Regiment Fort Benning, GA. 31905	FROM: Commander, A Company, 2-11th Infantry Regiment Fort Benning, GA. 31905

Log # 4-23-13

SECTION I, TYPE OF TRAINING

a. Live Fire
 b. Non-live Fire
 CP/Controller Coordinates: 9773 7406

SECTION II, DEMOLITIONS/GRENADES/MINES/PYROTECHNICS

Coordinates	Type	Model/DODAC	Size of Charges
See Section III Below	Signal, ILL Para/Star	M195:L305, M126/A1: L311 M127/A1: L312	N/A
See Section III Below	Simulator, Flash, Artillery	M21: L602	N/A
See Section III Below	Smoke Grenade	G930, M18: G940, G945, G950, G955	N/A

SECTION III, WEAPONS/AMMUNITION REQUESTED

Coordinates of Weapons Position	Type Weapon/Model Number	Type Ammunition	Left Limit	Right Limit
Engagement 1 OP: 9751 7405 to 9753 7405	M4, M249 AN/PEQ-15	5.56mm Ball/Tracer/Link Laser aiming device	005 Deg's	030 Deg's
Engagement 2 SBF: 9752 7435 to 9754 7435	M4, M249 AN/PEQ-15	5.56mm Ball/Tracer/Link Laser aiming device	350 Deg's	015 Deg's
Engagement 3 Assult start: 9746 7440 to 9748 7438	M4, M249 AN/PEQ-15	5.56mm Ball/Tracer/Link Laser aiming device	020 Deg's	050 Deg's

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: <i>James R. A. 12-11</i> CPT Gallagher, James R A/12-11	Name/rank of Major Unit S3/Commander: CHRISTOPHER L. MERCADO, CPT USMC S3
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SECTION VI, FOR RANGE DIVISION USE

DATE: 4 June 13

TO: Commander, 2nd Battalion, 11th Infantry Regiment Building 76, 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: b. Road(s) to be closed/road barrier locations: c. Remarks: d. This approval expires: <i>Indef</i>	A8, A23a, A30, A33a, A34 (See Road Block Enclosure) Laser warning signs will be in place prior to use.
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Chief, Range Division
Directorate of Plans, Training, Mobilization and Security
Brad S. [Signature]



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

REPLY TO
ATTENTION OF

ATSH-TPB-S3

23 April 2013

MEMORANDUM OF INSTRUCTION

SUBJECT: IBOLC Squad Live Fire Exercise (Griswold Range)

1. REFERENCE: MCOE Regulation 350-19

2. PURPOSE: This memorandum provides the concept of training for 2-11 Infantry conducting a squad movement to contact live fire exercise, at Griswold Range.

3. RANGE AND TERRAIN REQUIREMENTS: Griswold Range

4. WEAPONS AND AMMUNITION TYPES:

- a. M4: 5.56mm ball, blank
- b. M249: 5.56mm blank link, and 4:1 mix link
- c. AN/PEQ-15 Laser Aiming Device
- d. Signal, Illumination Parachute/ Star
- e. Smoke Grenade (HC, Violet, Green, Yellow, Red)
- f. Simulator, Flash, Artillery

5. RANGE PROCEDURES:

- a. The company executing the training is responsible for all setup, logistics, and range operations to include OIC, RSO, and contact with Range Operations.
- b. The company conducts a leader walk thru before execution of the live fire exercise to ensure all cadre are familiarized with the scenario, proper range operations, and safety procedures.
- c. The squad live fire exercise will only be conducted during daylight hours. All squads will conduct dry and blank rehearsals on the objective prior to the live fire execution. The RSO and OIC are responsible for ensuring all students and cadre understand the range limits, sectors of fire, and the direct fire control measures prior to execution.
- d. Once the students are on the range the RSO gives a safety brief and covers the concept of operation for the range.
- e. For the live fire iteration, cadre first conduct pre-fire checks to ensure that all blank firing adaptors are removed from the weapons and that all blank ammunition is collected from the students.
- f. The platoon trainer moves with the assault element, and the senior NCO trainer moves with the SBF team.
- g. The target operator will be with the OIC, and they will walk behind the lead fire team during each iteration.
- h. One medic will walk behind the trail team with the RSO and the other medic will stay with the field ambulance.
- i. The company's command post will be located at FA 97725 74061. The command post contains the ammunition supply point (ASP), field ambulance, AAR tent, water trailer, and transportation assets. The Porta-Johns will be located at FA 9777 7411. All other administrative actions will be conducted south of the command post.

6. CONCEPT OF THE OPERATION: The squad is conducting a movement to contact as part of a larger platoon operation. The squad will be the far right formation of a platoon moving with squads on line. First, the squad encounters an enemy observation point and the lead fire team quickly assaults through their position. After the lead fire team consolidates and reorganizes, the lead team continues along their original direction of attack. Next, the lead team comes into contact with the main enemy force. The squad leader must assess the situation and execute Battle Drill 1A. The squad leader will establish a base of fire with the lead fire team and assault the enemy position by conducting a flanking maneuver to the west with his trail fire team. As the assault element assaults through the enemy position they will engage enemy forces withdrawing from the objective. The assault element will reach their limit of advance and the squad leader will call the trail team forward to clear the objective. The exercise concludes once the squad leader has finished consolidation and reorganization.

7. EXECUTION:

- a. The squad files thru the ASP (FA 97725 74061) to receive ammunition.
- b. The squad then moves to the ORP (FA 97508 73941) in the ORP the squad loads their weapons and locks their bolts forward. An exception to this is open bolt weapons, which will leave their bolts forward. From the ORP the squad will travel at a direction of 315 degrees until they reach the line of departure, in vicinity of FA 97469 73980. The squad moves from the line of departure in a squad-column, with teams in wedge formation, with a direction of attack of 035 degrees.
- c. Engagement 1: at FA 97505 74047 to FA 97525 74047, the lead fire team makes contact with an enemy observation post (targets: FA 97534 74090, FA 97526 74090, and FA 97529 74095). The lead fire team engages and assaults through the enemy OP. The fire team's sector of fire throughout this engagement is 005 degrees left to 030 degrees right. After the fire team assaults past the OP, the team establishes a limit of advance, conducts consolidation and reorganization, and reports its status to the squad leader, and then the team continues to travel due north, using bounding overwatch.
- d. Engagement 2: at FA 97519 74349 to 97536 to 74349, the lead fire team is engaged by the enemy's main element represented by a pneumatic gun and four targets (FA 97532 74430, FA 97533 74434, FA 97528 74431, and FA 97539 74443). The lead fire team becomes the support-by-fire (SBF) element and engages the exposed targets with all weapons systems. The SBF's sector of fire throughout this engagement is 350 degrees left to 015 degrees right.
- e. The SL moves forward to the SBF team leader to assess the situation. He informs the team leader that he will be flanking to the west (left), and he tells the team leader the signal plan to cease fire from the SBF position.
- f. While this is occurring, the trail team seeks cover and concealment and maintains a position where it is not decisively engaged by enemy fire, but can still make contact with the squad leader. After briefing the SBF team leader, the squad leader returns to the trail fire team and quickly gives the team leader the necessary information so they can begin their flank attack.
- g. Engagement 3: the squad leader then leads the trail team, moving in a wedge, west until they reach the assault position (FA 97462 74396 to FA 97476 74381). The team engages targets at FA 97517 74446 and FA 97518 74451 with a right limit of 050 degrees and a left limit of 020 degrees. The fire team begins its assault of the objective with a direction of attack from the assault position of 045 degrees. The squad leader's cease fire signal is confirmed by the SBF team leader using FM communications. Cadre report and confirm the signal over the cadre's radios. The assault element remains in the assault position until it receives confirmation that the SBF has ceased fire, with their weapons on safe, and oriented away from the objective.
- h. Engagement 4: as the assault element reaches the main objective (FA 97527 74462 to FA 97543 74447) the first set of targets will be dropped and a second set of targets rise at FA 97564 74483 (x2 targets) and FA 97564 74477 (x1 target). These targets simulate enemy retrograding off the objective. The team engages targets with a right limit of 050 degrees and a left limit of 010 degrees. The assault team continues its attack past the final targets and establishes its limit of advance (LOA). The squad begins consolidation and reorganization procedures. Once complete, cadre members initiate clearing procedures.
- i. The squad moves off the range, and the next iteration begins once the cadre has accountability of the squad, and all cadre members at the ammunition point.

8. SAFETY

- a. Signals:
 - i. The primary means of signaling shift/cease fire is FM communication. The alternate signal is a whistle. The contingency signal is colored smoke or star cluster. The emergency signal is voice and runner.
 - ii. The company cadre is with each team to confirm receipt of the signal by non-tactical radios.

iii. The cadre will ensure that the trail team does not begin their assault until they have received confirmation that the SBF element has shifted/ceased firing.

b. Medical:

i. Primary means of coverage is an on-site FLA with two medics. A medic with aid bag walks with each squad during the live fire. The FLA is staged in vicinity of the command post at FA 97725 74061.

ii. Cadre evacuates serious injury by air or ground by calling a 9-line MEDEVAC through the 911 Emergency Net. The primary LZ for air evacuation is FA 9774 7463 with a secondary of FA 9757 7418. The primary marking signal for air evacuation is red smoke.

iii. Also, if there is an incident (medical, safety, or malfunction) while training the Range Safety Officer will immediately call a cease fire and then contact 2-11N's Battalion Headquarters, and Range Control.

c. Range Safety Officer briefs the following safety notes to every student:

i. All students are safety officers. Anyone observing an unsafe act immediately calls for a cease-fire.

ii. All weapons are discharged downrange and within the designated limits.

iii. All weapons remain on safe unless actively engaging a target.

iv. All students must practice muzzle awareness and aim their weapon on a target they intend to shoot.

v. If a squad does not safely complete a blank fire iteration they will be retrained on the task and execute another blank fire in order to shoot the live fire.

vi. Weapons are on safe during all movements. Weapons are only placed on fire when engaging a target within the range fan.

vii. Students lock and load in the ORP, located at FA 97508 73941.

viii. Students will not engage target lifting boxes after they have fallen.

ix. Students will avoid all identified dud areas and report any UXO to the cadre members.

d. Ammunition:

i. The blank and live ammunition will be in two separate ammo points. Each ammo point will be secured with concertina wire and a guard.

ii. The ammo point will only issue the students enough ammunition for one iteration of blank/live fire.

iii. Each student returns all unused ammunition to the ammo point at the completion of their iteration on the range.

iv. Blank firing adapters will be used during all blank fire iterations. The cadre will confirm that blank firing adapters are on all weapons before each blank fire iteration and that they are removed before the live fire iteration.

v. No student will bring any of their magazines to the live fire ammo point. At the ammo point they will draw pre loaded magazines which will be color coded and numbered to ensure accountability in and out of the ammo point.

vi. The cadre will conduct an ammunition and brass inspection made before and after all live fire iterations to ensure that no student has unauthorized ammo in their possession. All weapons are cleared and visually inspected prior to coming off of the range (Engagement #4).

e. Range Limits:

i. Company cadre ensures that all weapon systems fire within range limits as specified in the FB Form 350-19-1-E-R.

ii. All company cadre conduct a terrain walk with the company commander prior to execution of the range to verify that target array supports range fans and surface danger zones IAW FB range control.

iii. The scenario must be the same for dry, blank and live fire iterations. However, the dry iteration may be conducted on the same lane with OPFOR or on another training area.

f. Laser Safety:

i. LASER hazards will be addressed in the overall training safety briefing.

ii. Soldiers will be instructed to only use LASERS on targets

iii. Range RSO is responsible for enforcing LASER controls.

g. Additional Safety Considerations:

i. All students are qualified on their primary weapon prior to execution.

ii. Primary instructors conduct target operator rehearsal prior to execution of blank fire.

iii. Platoon cadre ensures that all leadership positions remain the same during dry/blank/live fire exercises.

iv. There will be a minimum of one cadre member per fire team, during every iteration.

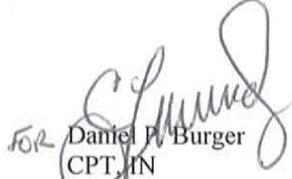
v. Platoon Trainers ensure that each squad has resources to execute redundant signaling plan for shift or cease fire. Shift and cease fire commands are verified by cadre with cadre radio.

vi. Cadre ensures all weapons shift/cease fire when the assaulting element is within 40 degrees of SBF gun target line.

vii. The RSO ensures that the medic is rehearsed on the routes from the FLA staging location to the range and from the range to Martin Army Hospital.

9. POC for the above memorandum is CPT Daniel P. Burger, at 545-4217.

FOR THE COMMANDER:


FOR Daniel P. Burger
CPT, IN
Battalion Primary Instructor

Enclosure

1. Range Concept
2. FB 210-4-3-R
3. 144R
4. Range Limits
5. Risk Management Worksheet

Learning Objectives:

A. Terminal Learning Objective: Conduct a Squad React to Contact Live Fire Exercise (07-3-D9501).

B. Enabling Learning Objectives:

- 17-5-5276 Prepare for Combat
- 17-3-3062 Conduct Support by Fire
- 07-2-5027 Conduct Consolidation and Reorganization
- 071-010-0006 Engage Targets with an M249 Machine Gun
- 071-100-0003 Engage Targets with an M4 or M4A1 Carbine
- 071-326-0502 Move Under Direct Fire
- 071-326-0513 Select Temporary Fighting Positions
- 071-326-0608 Use Visual Signaling Techniques
- 113-571-1022 Perform Voice Communications

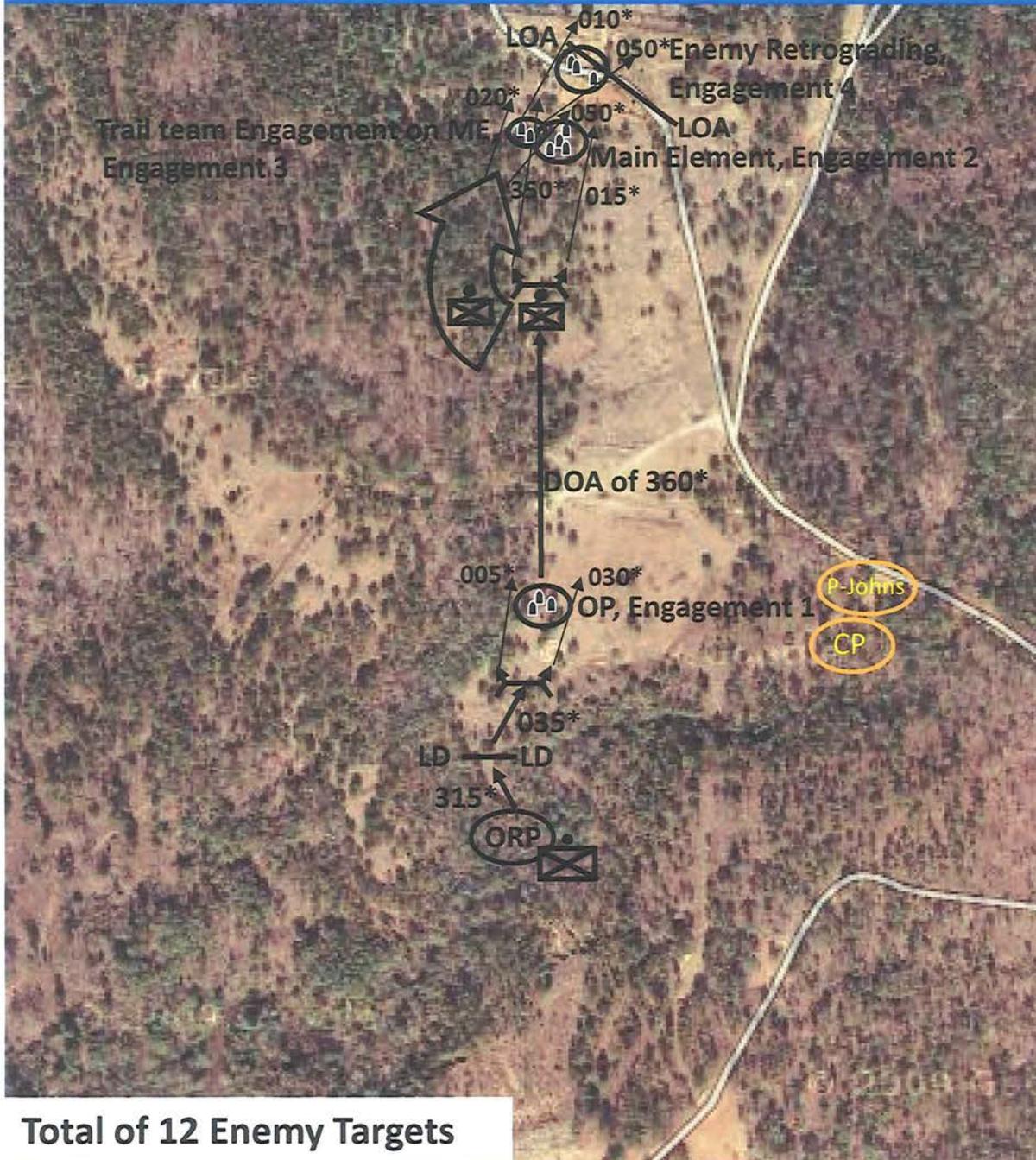
C. Task/Conditions/Standards:

- Task: Execute Squad React to Contact Live Fire Exercise (07-3-D9501).
- Conditions: The squad is moving and conducting operations when visual contact is made with the enemy, or the enemy initiates contact with a direct fire weapon. The squad is organized in accordance with FM 3-21.8, in a field environment during daylight hours.
- Standards: The squad immediately returns "well-aimed" fire and seeks cover. The squad leader reports the contact to higher headquarters. The squad destroys the enemy with an immediate assault through the enemy position in accordance with standards found in UTL 07-417-8 (Unit Task List for Infantry Rifle Platoon and Squad), and BDL 07-08 (Infantry Battle and Crew Drills).

D. Intent:

- Understand the execution of Squad Battle Drills and their importance within the platoon's mission.
- Understand how to execute movement as a squad within LFX conditions.
- Understand the application of Fire Distribution and Control at the squad level.
- Utilize the Troop Leading Procedures at the squad level and understand its importance to the overall platoon mission.

Concept for Squad Live Fire Exercise on Griswold Range



Range Information/Locations

Command Post - FA 97725 74061
 (ASP, AAR Tent, FLA, Water Trailer)
 Porta-Johns - FA 9777 7411

1. ORP - FA 97508 73941 (to LDA 315 deg.)
2. LD - FA 97469 73980 (035 degrees DOA)
3. Engagement 1: Enemy OP (targets: FA 97534 74090, FA 97526 74090, & FA 97529 74095) (360 degrees DOA)
4. Engagement 2: Enemy Main Element (FA 97532 74430, FA 97533 74434, FA 97528 74431, & FA 97539 74443)
5. Engagement 3: Trail Team Engagement on Main Element (FA 97517 74446 and FA 97518 74451)
6. Engagement 4: Retrograding Element (FA 97564 74483 and FA 97564 74477)

Sequence of Events

- Movement: Squad in travelling overwatch
- Engagement 1 (Enemy OP)
 - A-team: React to contact
 - A-team: Fire team assaults
- Engagement 2 (Enemy Main Element)
 - A-team: React to contact
 - A-team: Suppress OBJ
 - B-team: Trail fire team moves to assault position
 - A-Team: O/O cease fire
- Engagement 3 then 4
 - B-team: O/O assaults the OBJ (Enemy Main Element and Retrograding Element)
 - Squad Consolidates & Reorganizes

COMPOSITE RISK MANAGEMENT WORKSHEET

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

1. MSN/TASK Squad Live Fire (SQD LFX), Griswold	2a. DTG BEGIN 26 APR 2013	2b. DTG END 26 APR 2014	3. DATE PREPARED (YYMMDD) 23 APR 2013
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4. PREPARED BY:

a. NAME Burger, Daniel, P.	b. RANK CPT	c. POSITION Company Commander
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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?
TA9B89 Squad Live Fire	1. Hot Weather Injuries	High	IAW MCoE PM 40-14-6: 1) All hazards will be identified and assessed. All personnel will be given a minimum of 14 days of acclimatization in order to adjust to Georgia's heat and humidity. All personnel will have completed an APFT at the beginning of the course. APFT failures will be evaluated individually for training risk. Prior heat casualties will be identified prior to training and considered high risk. Cadre will maintain constant observation of these individuals throughout training. The TOC will possess and maintain a wet bulb for the entirety of training. TOC personnel will record wet bulb readings every half hour and broadcast any changes in the heat category over the company radio net.	Moderate	1) The Range OIC will complete a Daily Risk Assessment prior to training. He will ensure that Platoon Trainers assess personnel status 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 1 quart of water per hour. Daily fluid intake should not exceed 12 quarts and hourly intake should not exceed 1.5 quarts.	Company Commander, Platoon Trainers, SNCO	

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

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

LOW
 MODERATE
 HIGH
 EXTREMELY HIGH

14. RISK DECISION AUTHORITY

a. NAME MARK A.B. HOLLIS	b. RANK LTC, IN	c. DUTY POSITION Battalion Commander	d. SIGNATURE 
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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?
TA9B89 Squad Live Fire			<p>2) Each platoon, will possess a thermoscan in their CLS bag with extra batteries.</p> <p>3) At a minimum, there will be 2 coolers filled with ice, ice water, and iced blankets, and 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. On extreme heat days (APR-SEP), each platoon will, at a minimum, have immediate access to 3x coolers with ice sheets.</p> <p>4) All cadre will be rehearsed on the proper procedures for diagnosing, treating, and evacuating heat casualties.</p>		<p>2) Suspected heat casualties will immediately have their temperature diagnosed with the thermoscan. Initiate immediate MEDEVAC if soldier'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, evacuate immediately.</p> <p>3) Cadre will ensure that ice sheet coolers and water coolers are readily available at the TOC .</p> <p>4) One trainer from each platoon will carry a CLS bag. Additional CLS bags will be located with the vehicles. Cadre will be trained & certified prior to the training event. "Man down" drills and/or rehearsals will be conducted periodically prior to training. Drills will include ice sheets</p>		

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?
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TA9B89 Squad Live Fire	2. Cold Weather Injuries	Moderate	<p>5) All cadre will assess the cumulative effects of all training.</p> <p>IAW MCoE PM 40-14-6: 1) All hazards will be identified and assessed. All personnel will be given a minimum of 14 days of acclimatization in order to adjust to Georgia's cold weather. All personnel will have completed an APFT at the beginning of the course. APFT failures will be evaluated individually for training risk. Prior cold weather casualties will be identified prior to training and considered high risk. Cadre will maintain constant observation of these individuals throughout training</p>	Low	<p>and evacuation vehicles. Evacuation will be based off of the "cool, then call" exercise when a student has a 101 degree core temperature.</p> <p>5) Platoon trainers will adhere to the Work/Rest ratio guidelines given in the Leader's Heat Reference Card. They will provide ample time for students to rest during the training event (ex. rest 10-15 minutes every hour). Work/Rest ratio is strictly dependent on temperature/heat category.</p> <p>1) The CO will assess the risk and ensure that all personnel are in good physical shape and all prior cold weather casualties are identified</p>	Company Commander, Platoon Trainers, SNCO	
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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?
TA9B89 Squad Live Fire			<p>2) Water and food will be provided so that personnel can stay hydrated and will have the appropriate amount of calories to stay warm.</p> <p>3) Companies will provide warming tents and burn barrels, if necessary.</p> <p>4) All personnel will take the appropriate measures to stay dry, including packing / carrying enough dry clothes to change into. When necessary, soup will be requested with Hot A meals</p>		<p>2) All personnel will consume an appropriate amount of water and calories.</p> <p>3) Warming tents are available through BN S-4</p> <p>4) Personnel will pack IAW the 2-11IN TACSOP appropriate amount of clothes.</p>		
	3. Falls	Low	All soldiers will wear Knee pads and gloves. Range safety officer will include an orientation of the training area.	Low	Students will be advised of the hazards of the terrain and given a safety briefing.	Range OIC	
	4. Hand Injuries	Low	Soldiers will wear gloves at all times while training.	Low	Cadre enforces the wear of gloves to prevent burn, cuts, or abrasions to the hands while training in the trench.	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?
TA9B89 Squad Live Fire	5. Soldier fatigue and/or lack of alertness	Low	<p>IAW MCoE Reg 350-19:</p> <p>1) Students will be given a class in their first week on proper nutrition and the ways to maximize the effectiveness of their caloric intake. All participants will receive a minimum of 6 hours of sleep during each 24 hour time period.</p> <p>2) Platoon trainers will ensure that soldiers receive three meals per day, either Meals Ready to Eat or Hot As.</p> <p>3) Platoon trainers will ensure that soldiers receive six hours of undisturbed sleep prior to execution of live fire exercise.</p>	Low	<p>1) Students will be informed on the proper balance of nutrition and exercise IAW FBAPFS.</p> <p>2) Students will get 3 meals to maintain a good caloric intake.</p> <p>3) Students will get at least 6 hours of sleep prior to any LFX.</p>	Platoon Trainer	
	6. Negligent Discharge	Moderate	<p>Range safety officer will issue a safety brief prior to start of training. Platoon trainers will strictly enforce weapons safety and class V accountability before, during, and after LFX. All cadre and students will wear helmet, and IBA w/ SAPIs during blank and live fires. All weapon systems will be cleared and visually inspected prior to coming off range. Cadre will ensure all weapons are cleared.</p>	Low	Cadre will ensure students follow all weapon safety procedures.	Company Commander	

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?
TA9B89 Squad Live Fire	7. Fratricide	Moderate	<p>IAW MCoE Reg 350-19:</p> <p>1) Primary instructor and platoon trainers validate range operation during company train-up.</p> <p>2) Platoon trainers conduct range reconnaissance prior to training. Primary instructor, company commander, and 1SG confirm that target array supports range fans and surface danger zones IAW FB Range Control.</p> <p>3) Platoon trainers ensure that all soldiers conduct zero, group, and field fire table 7 on M4 Rifle and M249 SAW prior to execution. Platoon trainers certify that all soldiers have completed IMT training and certification prior to execution.</p> <p>4) Platoon trainers ensure that all soldiers are executing five safety checks during IMT. Weapon safe, look left/ right, locate nearest covered and concealed position, IMT to that position.</p> <p>5) Company commander ensures that all platoon trainers certify on live fire exercises prior to execution of training IAW MCoE Reg 350-19 on maneuver live fire during the BN CDR walk-through. In the absence of the BN CDR, a field grade officer (XO,S3) will conduct the walk-through.</p> <p>6) Platoon trainers ensure that all fire teams complete dry fire, and blank fire, prior to execution of live fire exercise IAW TC 7-9 <u>Infantry Live Fire Training</u>.</p> <p>7) Platoon trainers will ensure that all soldiers receive six hours of undisturbed sleep, the night before the LFX.</p> <p>8) RSO conducts target operator rehearsal prior to execution of Dry Fire. RSO conducts daily target operator rehearsals upon personnel shift changes, prior to continuation of training.</p>	Low	<p>1) Cadre will reinforce training between cycles.</p> <p>2) Cadre will confirm that target array supports range fans and surface danger zones IAW FB Range Control.</p> <p>3) All students will group, zero, and display control of all assigned weapons systems.</p> <p>4) All students will follow the proper safety procedures for IMT.</p> <p>5) All platoon trainers will be certified on all live fire exercises prior to training. Company commander remains on range during all maneuvers.</p> <p>6) All fire teams will complete dry fire, and blank fire before live fire.</p> <p>7) All students will get 6 hours of sleep prior to any LFX.</p> <p>8) Target operator performs a rehearsal before live fire.</p>	Company Commander	

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?
TA9B89 Squad Live Fire			<p>9) Platoon trainers ensure that all leadership positions and key weapon systems remain the same during dry, blank, and live fire exercises. Platoon trainers ensure that platoons execute same scheme of maneuver for dry, blank, and live fire exercises.</p> <p>10) Company Commander briefs IAW 2-11 IN Cadre Huddle Card, participating cadre prior to each platoon's execution.</p> <p>11) A minimum of one cadre will position themselves with each team during execution of the LFX.</p> <p>12) Cadre maintains communication, on non-tactical radios, between support by fire element and assault element.</p> <p>13) Platoon trainers ensure that each platoon has resources to execute redundant signaling plan (i.e. shift, cease-fire)</p> <p>14a) Platoon trainers in support by fire position ensure that Machine guns shift fire when assault element moves to within 15 degrees of gun target line. Cadre ensure all M249s shift fire when assault element is within 15 degrees of SBF gun target line.</p> <p>15) Platoon trainers with assault element confirm shift fire and cease fire, via non-tactical radio, before allowing assault element to continue assault onto the objective.</p> <p>16) RSO will ensure that a medic with aid bag accompanies each squad during</p>		<p>9) Leadership positions and key weapon systems will remain the same during dry, blank, and live fire exercises.</p> <p>10) CDR will ensure that Cadre attends the brief.</p> <p>11) At least one cadre will accompany each squad during BFX and LFX.</p> <p>12) Cadre with SBF will communicate with cadre with assault element.</p> <p>13) Cadre with each squad will confirm cease fire before continuing.</p> <p>14a) Cadre ensures SBF weapons shift fire when the assaulting element reaches the appropriate amount of degrees from the gun target line.</p> <p>15) Cadre with assault element will confirm shift/cease fire before continuing.</p> <p>16) RSO will ensure that a medic,</p>		

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?
TA9B89 Squad Live Fire			<p>execution of live fire training. RSO will position ambulance with medic driver as close to the objective as safely possible. Primary instructor will ensure that driver has rehearsed routes to training areas prior to execution. All TOC personnel will be briefed on the E911 procedures.</p> <p>17) Machine guns and M4s will be cleared and visually inspected prior to coming off range.</p> <p>18) Cadre & Students will wear Kevlar's, eye protection, gloves, knee pads, and IBA for both BFX and live fire training.</p> <p>19) Platoon trainers inspect soldiers to ensure that all weapons have mission capable blank firing adaptors on weapon prior to blank fire training. Platoon trainers ensure that soldiers do not fire blank rounds at one another within 10 meters.</p> <p>IAW MCOE REG 350-19: 20) Primary instructor will establish separate Class V issue points for blank and live ammunition. Ammunition OIC/ NCOIC will maintain exact count of live ammunition that he issues for each platoon and how much ammunition the platoons return to the Class V point. The Ammunition OIC/ NCOIC will maintain exact count of live and blank magazines issued and turned-in. Platoon trainers will halt training if a live marked magazine not accounted for at any time during training. Platoon trainers will visually inspect all magazines, and magazine pouches after live fire training and before blank fire training to ensure that soldiers do not possess live ammunition. All ammunition will be logged in 2-11 SOP Range Procedure logging sheet.</p>		<p>ambulance, and driver are present and have rehearsed prior to LFX.</p> <p>17) Cadre will clear and inspected all weapon systems.</p> <p>18) Cadre and students will wear Kevlar, eye protection, gloves, knee pads, and IBA's for BFX and LFX.</p> <p>19) All weapons will be inspected for blank firing adaptors and personnel will not fire at one another within 10 meters.</p> <p>20) Two different issue points, separated by a minimum of 10 meters, will be established. Cadre will inspect students prior to execution in order to ensure correct ammo has been loaded in magazines.</p>		

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?
TA9B89 Squad Live Fire	8. Injury from use of Pyrotechnics	Low	<p>21) Platoon trainers will ensure that all students have successfully completed training on load, fire, perform immediate action and clearing all weapon systems.</p> <p>IAW MCOE REG 350-19: Primary instructor and platoon trainer will observe fire categories when implementing the use of pyrotechnic devices in any training IAW MCoE Reg 350-19. Platoon trainers wear eye protection and use gloves when employing pyrotechnic devices. Pyrotechnic devices will be thrown a minimum of 35 meters away from any person. Simulators will not be thrown near target lifters or students. When employing smoke grenades or hand grenade simulators, students will wear leather gloves and eye protection. Students will not "cook-off" hand grenade simulators at any time.</p>	Low	<p>21) All students will complete training on immediate action and clearing all weapon systems that they will use.</p> <p>Fire categories will be observed by Cadre. Cadre will wear eye protection & gloves. Simulators will not be thrown near target lifters or students. Cadre will give students a class on proper handling of smoke grenades & employment of hand grenades prior to execution.</p>	Senior Platoon Trainer	
	9. Fire/Explosion in Ammo holding area	Low	<p>IAW AR 385-64, TRADOC Reg. 700-2, and TM 9-1300-206: Primary instructor will clear ammunition point of all flammable material prior to stockpiling. He will maintain a certified fire extinguisher at a clearly marked location near the ammo point. The primary instructor will ensure that proper HAZMAT placards displayed at the ammunition point IAW AR 385-64, TRADOC Reg. 700-2, and TM 9-1300-206.</p>	Low	<p>There will be no flammable material at ammo point. There will be an extinguisher present and the proper HAZMAT placards will be displayed.</p>	Company Commander	

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?
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TA9B89 Squad Live Fires	10. Exploding Rounds	Low	Platoon trainers ensure students follow proper un-loading procedures when opening the feed trays on M249s.	Low	All students follow proper unloading procedures.	Primary Trainers	
	11. Loud Noise	Low	Platoon trainers ensure all soldiers and cadre are wearing earplugs during blank and live fire exercises. Extra earplugs will be brought to the range.	Low	All students and cadre will wear hearing protection	Platoon Instructor	
	12. Eye Injuries	Low	IAW 2-11 Eye Protection SOP All students and cadre will wear eye protection while moving in a field environment or firing a weapon.	Low	Cadre enforces the wear of eye protection to prevent eye injury or loss of sight.	Platoon Trainer	

Griswold Range 2-11 Squad MTC Road Block List, 15 March 2011

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.	Gate
A-23A	005 748	On Lumpkin trail 50m NW of Objective 'E' on Garnsey Range.	Gate
A-23B	005 747	Adjacent to A-23A gate on trail near intersection of Lumpkin trail	Install 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

BLOCK	GRID	LOCATION	TYPE
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
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 on trail leading to move to contact site	Gate
A-33B	982 739	20m N of Target Sys bldg on trail running on west side of bldg.	Install 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



RECORD OF ENVIRONMENTAL CONSIDERATION (REC)



Date Submitted: 3/14/2013

EMD Number: 1307308 **Project#:** Unknown **Project Title:** Squad Live Fire Exercise

Description of proposed action:

Units will conduct blank and live fire exercises at a Squad Level (9 man). Units will bound/flank/ and engage targets using both blank and live ammunition. Pyrotechnics will be used. ((Ms. Joice we need this by 22 March)) Ammunition: 5.56,ball/link 7.62 ball/link, 40mmTP/HE, M67,9mm/ .40 cal & various pyro

Project Location:

Brann, Griswold, Garnsey, Galloway, DMPRC, K36

Amount, Description, Location of Disturbance/Digging:

none

Number of Personnel:

None

Type of Ammunition:

See description Live and Blank

Number/Types of Trees:

None

Size of Project Area: N/A

Duration of Action: Start: 3/22/2013 Stop: 9/30/2013

Proponent: bradleyhojek 545-0499

Organization/Unit: 3/75

Number/Types of Vehicles:

4x GMV, Humvee, Bus, Truck

DECISION: Concur with conditions

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

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

REC APPROVED THROUGH 30 SEPTEMBER, 2013

Natural Resources - RCW

Conditions:

Michael Barron (706 544 7080), 3/18/2013

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). Only approved portions of K36 may be used for live fire exercises. Only the established range portion of Griswold Range may be used for live fire exercises - the old LFX to the west of Griswold in A25 may not be used for live fire.

Cultural Resources - Archeological

Conditions:

Edward Howard (706 545 1898), 3/14/2013

See attached JPEG maps for reference. The project area contains federally protected sensitive sites. These sites may or may not be marked with Siebert stakes placed 20 - 30 meters apart which contain labels warning against ground disturbance. Training may be conducted in these sites so long as it does not disturb the ground (digging, off-road vehicle traffic, etc.) The project OIC is responsible to insure the sites are not disturbed, regardless of whether or not they are marked. They are identified in RED in the attached maps. Additionally, if endangered plants, historic artifacts or Native American artifacts (arrowheads, etc) are encountered here (as in anywhere on the Installation) their removal constitutes theft as well as possible violation of other federal laws. This could result in criminal prosecution. Contact CRM with any questions or concerns. Re-submittal is required if submitted project is modified in any way.

Noise

Conditions:

Ellis Leeder (706 545 2400), 3/15/2013

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

CWA - Training

Conditions:

Leah Ropski (706 626 0492), 3/15/2013

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

Hazardous Materials/Waste

Conditions:

Joe Iverson (706 545 1857), 3/14/2013

- Ensure personnel know the correct procedure for handling misfires at the range:
- Defective, misfired, or otherwise unserviceable munitions must be managed IAW/MCOE Reg.350-19-5-10, Para 9-2 (Proper management of Misfired munitions). All excess, munitions must be returned to the Ammunition Supply Point after the field exercise is completed. A dud shall not be removed from the range; it will be marked, called into range control and will be properly disposed of by EOD personnel IAW/MCOE Reg. 350-19, 23 Jul 2010.
- Closed containers (ammunition can marked "MISFIRES") will be used for the collection of misfires at each firing range.
- The MISFIRE container will stay closed except to add or remove misfires.
- Misfires SHALL NOT BE COLLECTED in any open container or cardboard box.
- Ensure that all containers for collection of patches and swaps are kept closed unless weapons cleaning products are being added. Contact EPMB for detailed information on the proper disposal of waste products resulting from the training.
- 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.
- Rubbish, empty containers and other waste (including used smoke/C2 canisters/MRE heaters) should be removed from the training area after the training is completed. Contact EPMB for detailed information on the proper disposal of waste products resulting from the exercise.

Signature

John E Brown

John E Brown

NEPA Program Manager

Date

18 MAR 2013

Signature

Chris Hamilton

Christopher E. Hamilton, PhD

EPMB Chief

Date

18 Mar 13

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Griswold Range, 2-11 IN Squad MTC

M16/M4, M249 (5.56mm B&T) LL & RL = Degs, Grid Az

*Engagement 1 OP: 9751 7405 to 9753 7405; LL= 005, RL= 030

*Engagement 2 SBF: 9752 7435 to 9754 7435; LL= 350, RL= 015

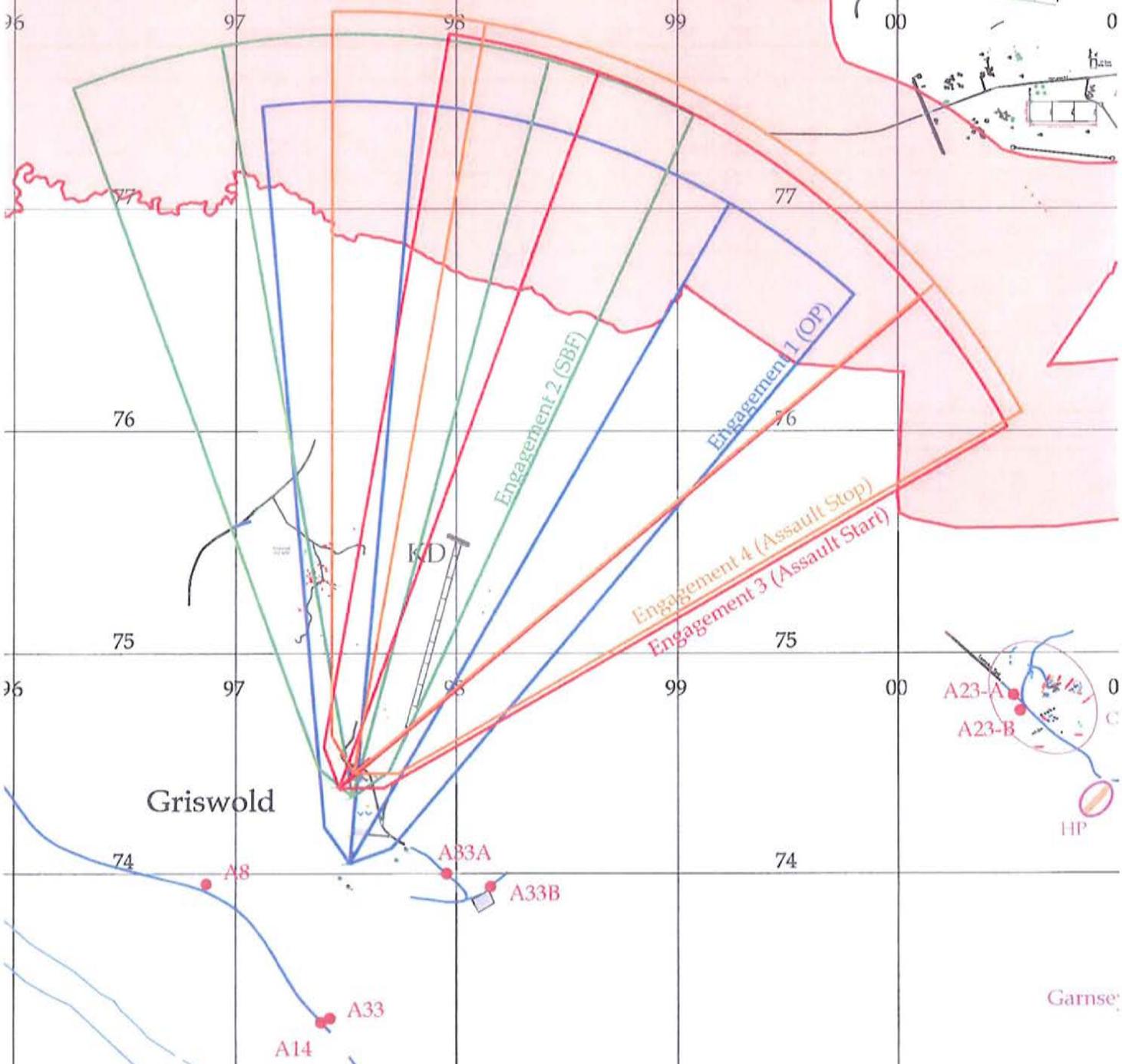
*Engagement 3 Assault Start: 9746 7440 to 9748 7438; LL= 020, RL= 050

*Engagement 4 Assault Stop: 9753 7446 to 9754 7445; LL= 010, RL= 050

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Burroughs



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Engagement 2 (SBF)

Engagement 1 (OP)

Engagement 4 (Assault Stop)

Engagement 3 (Assault Start)

75

75

A23-A

A23-B

HP

Griswold

74

74

A8

A33A

A33B

A33

A14

Garnse