

FIRING/NONFIRING DATA

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

Log # 3-4-14

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

Date: 20140411
Range: GARNSEY RANGE
Title: TEAM / SQUAD LIVE FIRE EXERCISE (DAY&NIGHT)
Problem No:

THRU: S-3, ABCT, 3ID
FORT BENNING, GA 31905

FROM: S-3, 2-69AR, 3ABCT, 3ID
FORT BENNING GA, 31905

SECTION I, TYPE OF TRAINING

a. Live Fire b. Non-live Fire CP/Controller Coordinates: **GA: 0185 7305**

SECTION II, DEMOLITIONS/GRENADES/MINES/PYROTECHNICS

Coordinates	Type	Model/DODAC	Size of Charges
SEE WEAPONS AND AMMO ENCLOSURE	SEE WEAPONS AND AMMO ENCLOSURE	SEE WEAPONS AND AMMO ENCLOSURE	NA

SECTION III, WEAPONS/AMMUNITION REQUESTED

Coordinates of Weapons Position	Type Weapon/Model Number	Type Ammunition	Left Limit	Right Limit
SEE WEAPONS AND AMMO ENCLOSURE	SEE WEAPONS AND AMMO ENCLOSURE	SEE WEAPONS AND AMMO ENCLOSURE	SEE WEAPONS AND AMMO	SEE WEAPONS AND AMMO

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 type="checkbox"/> Training area(s) to be occupied:
<input checked="" type="checkbox"/> Sketch of area:	<input type="checkbox"/> Scenario of training to be conducted:
<input checked="" type="checkbox"/> Risk Assessment:	<input type="checkbox"/> Sketch of area(s) to be occupied:
<input type="checkbox"/> Attach FB Form 350-19-2-E-R if Mortar or artillery is being fired:	<input type="checkbox"/> Risk Assessment:

Name/rank of requesting officer:
CROW, NATHANIEL, MAJ, S3, AR
[Signature]

Name/rank of Major Unit S3/Commander:
RIVERAESPADA, ALEXIS, MAJ, S3, AR
[Signature]

SECTION VI, FOR RANGE DIVISION USE **DATE:** **4 June 2014**

TO:

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

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

A: 8, 10, 12A, 12B, 23, 30, 30A, 32, 33A, 33B, 34.

Chief, Range Division
Directorate of Plans, Training, Mobilization and Security
[Signature]



DEPARTMENT OF THE ARMY
3D HEAVY BRIGADE COMBAT TEAM 3RD INFANTRY DIVISION
9195 WATKINS AVE
FORT BENNING, GA 31905

AFZP-VI-C

7 May 2014

MEMORANDUM FOR CHIEF, RANGE OPERATIONS, DPTMS, Fort Benning, Georgia
31905

ATTN: MR. TESCH, FORT BENNING, GA 31905

SUBJECT: Scenario for Garnsey Range Squad Attack Live Fire Exercise (Day & Night)

1. The purpose of this memorandum is to outline the scenario for the Squad Live Fire Exercise to be conducted at Garnsey Range. The information is provided IAW MCoE Regulation 350-19.
2. PURPOSE OF EXERCISE: The purpose of the exercise is to gain a basic proficiency with Squad Battle Drill 1A Squad Attack and to gain confidence in maneuvering as a squad in a live fire environment.
3. TRAINING TASKS: The tasks to be trained include the following:
 - a. Individual Tasks:
 - (1) Engage targets with an M4, M249 and M240B
 - (2) Move as a member of a fire Team and squad
 - (3) Engage targets with a M203 Grenade Launcher (TP rounds)
 - (4) Individual Movement Techniques (IMT)
 - (5) Use visual signaling techniques while dismounted
 - (6) Perform as a member of a patrol
 - (7) Perform aid for casualty
 - b. Leader Tasks:
 - (1) Conduct Troop Leading Procedures
 - (2) Analyze terrain
 - (3) Conduct movement techniques by squad
 - (4) Consolidate/Reorganize following enemy contact while in the offense
 - (5) Develop and communicate a plan
 - (6) Issue an oral Operations Order
 - (7) Call for close air support (notional)

- c. Collective tasks to be trained:
- (1) Prepare for combat
 - (2) Move tactically
 - (3) Execute an assault
 - (4) Perform consolidation and reorganization
 - (5) Occupy an Assembly Area
 - (6) Perform over watch/support by fire
 - (7) Knock out a bunker
 - (8) Take Action on Contact
4. AMMUNITION: 5.56mm Ball/Tracer, 5.56mm Ball/Tracer Link (4:1), 7.62mm Ball/Tracer, 40mm (TP)
5. PYROTECHNICS: Hand Smoke, G930, G940, G945, G950, G955; Signal, Ilium Para L306, L307, L312, L314
6. GENERAL CONCEPT OF OPERATION: The squad is conducting offensive operations vicinity Sunshine Road. The Squad Leader will receive a FRAGO to move out on a Movement to Contact while the remainder of the Squad defends the assembly area. The squad will travel in a formation. All squads will conduct day/night blank rehearsal on the objective prior to day live fire execution. OIC and RSO ensure all Soldiers understand the range limits, sectors of fire, and direct fire control measures prior to execution. The OIC will conduct a terrain walk with all platoon leadership with the commander present. This walk will confirm all limits of the range. All leadership will have a lensatic compasses during this walk (Note Directions off fire listed on FB Form 350-19-1-E-R are Grid Azimuth. Add 4 degrees to Grid Azimuth to read Magnetic Azimuth).
7. EXECUTION: (See Range Sketch, Enclosures 1-7)
- a. The squads will start at the AA/security halt site (GA0197 7318). The AAR site will consist of a commo net and will be located IVO the medics and ammo point at Vic grid (GA0196 7312).
 - b. For live fire iterations, OIC, RSO, and platoon leadership will conduct pre-fire checks to ensure all blank firing adapters are removed from all weapons and that all blank ammunition is collected from the Soldiers.
 - c. The ammunition point will be located vicinity grid GA 0196 7312. Soldiers will move to the ammunition point in "MARNE STANDARD" (IOTV, ACH, eye protection and hearing protection, knee-pads, elbow-pads, water source). Soldiers will draw ammunition at the ammunition point. The RSO and ammo NCO will monitor the ammunition operation. More ammunition specifics will be discussed in Paragraph 8d. The squads will then occupy a security halt vicinity grid GA 0197 7318; the RSO will give the command lock and load. Squads will then lock and load their weapon systems and ensure all weapons are on safe. Each fire Team will have an instructor assigned to monitor/ correct any unsafe actions during the entire exercise. At no time while

conducting dry, blank, or live-fire iterations will the Platoon Leader/Platoon Sergeant be more than 15 feet away from his assigned element. The target scenario will be controlled by a member of the company designated by the Commander. The target operator will move with the maneuvering element in order to ensure timing and sequence of target transition.

d. The squad will depart from the AA/ security halt on a 350 degree grid azimuth. The squad will move in formation using the traveling over watch technique. At vicinity grid GA 0195 7331, the lead fire Team (Team A) will encounter a two man observation post (OP1) (Target Set #1 -P4 and P2. The fire Team will start-fire Vic grid (GA0195 7331) and occupying a sector of fire constrained by left limit 5910 mils and right limit 6340 mils. Target Set #1 will be set to BOB/ kill standards (unit dictates). The OIC, RSO and OC's will ensure the target remains down once Soldiers are within 20 meters of the target systems. Once the team/squad is at target P4 (approximately 20M away) target P2 will be lowered. After destroying OP1, the team will assault through, and set up their Support-by-fire position (SBF1 Vic grid GA0194 7339), directed towards OBJ Korn. Weapons will be on safe when not actively engaging a target and not aimed at friendly.

e. While set in an Over-watch/ Support-by-fire position (SBF1), the squad leader will receive a FRAGO that a Company sized mechanized element is moving from north to south. The squad leader will then have his Bravo Team take the lead and move east towards the road/PL Tiger. Once the elements have crossed the road/PL Tiger, they will begin their movement north and continue towards OBJ Korn. While Bravo team conducts their movement, the team in the SBF1 position will continue to provide suppressive fire directed towards Target Set #2 (P5, P6, P7 and IM1) and Target Set #3 (BES1 and BES2). The established firing area will be (LL 5620 mils and RL 6130 mils, RL for M240 is 5800 mils). The M240 will concentrate on Target Set #3 (BES1 and BES2). Once the squad reaches Vic grid GA0199 7349 (Checkpoint 1) SBF #1 will shift all fires toward BES1 and BES2 (Target Set #3) and Target Set #2 is lowered and remain down. (The OC's will confirm all shift/lift fire signals). The assault team will continue their movement towards the north and once they are at grid GA0197 7354 (Checkpoint 2), the SBF 1 will immediately cease all fires. At this point all targets will be lowered and remain in the down position. Once the assault team nears Vic grid GA 0193 7358 (Checkpoint 3), they will begin their advance towards OBJ KORN. The built-up bunker will be located at grid GA0185 7358 (emplaced by the unit). Once the assault elements approach the bunker (GA0186 7358) and discover no enemy personnel, Target Set #4 (Portable targets) will be raised. This engagement will consist of the following limits (LL 4800 & RL 6130). Once the OBJ has been cleared the squad leader will call forward the SBF 1 to tie into the LOA, and establish an Over-watch/ SBF 2 Vic grid GA 0181 7361. At this point the squad leader will attempt to consolidate and reorganize, send all reports to higher on the status of his personnel (MWE), treat and evacuate casualties, conduct sensitive site exploitation, and prepare to maneuver his element off of the objective. Once the squad begins to assess casualties, the counter-attack (CATK) will begin.

f. While set in their Over-watch/ Support-by-fire position (SBF2). Target Set #5 (B1, P10, P11, V1) and Target Set #6 (P8, P9 & IM3) will be raised simultaneously. SBF2/LOA will be from grids GA0179 7359(Left-side) to GA0182 7362 (Right-side).

The sectors of fire for the M240B will be (LL 5300 mils and RL 5650 mils) at Target Set #5. M240 will be placed in the center of SBF 2. All other weapons sectors of fire at Target Set #6 will be (LL5040 mils and RL 5485 mils). Safeties/OC will ensure that personnel engage their specified target group as per weapon system. Target Set 5 and 6 will be set to BOB. Once all targets have been destroyed, the squad leader will report his BDA and prepare to exfil.

g. At this point there will be no further enemy contact or the necessity for the return of live fire beyond this point in the scenario. The squad leader will send the status' of his MWE to higher treat and evacuate casualties, conduct sensitive site exploitation and prepare to maneuver his elements off the objective. After all weapons have been cleared, the squad leader will remain tactical and move back to the original assembly area, moving in a travel technique with fire teams in a squad column.

8. SAFETY:

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

a. Signals:

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

b. Medical

- (1) Primary means of coverage will be an on-site FLA with 2 medics. A Medic with aid bag will walk with each squad during live fires.
- (2) In the event of a MEDEVAC, the unit will call up a 9-line MEDEVAC in accordance with MCoE 350-19. The medical personnel on site will administer medical care until the MEDEVAC assets arrive. Unit chain of command and Range Division Alpha Base will be notified.
- (3) When an incident occurs on the range, regardless of injury or not, the OIC/RSO will immediately call a cease fire and report it to Range Division Alpha Base and the using unit's higher headquarters. OIC/RSO will take action as directed by Range Division Alpha Base. The cease fire will remain in effect until the problem is resolved and cleared through Range Division Alpha Base. If, the incident results in an injury, the OIC/RSO will us the procedures outlined in the medical paragraph.

The following information will be furnished by the OIC/RSO to Range Division Alpha Base:

- 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.
- c. Range Safety Officer will cover the following in his safety brief to all students:
- (1) All Soldiers are safety officers. Anyone observing an unsafe act will immediately call for a cease-fire.
 - (2) All weapons will be discharged downrange and within the designated limits.
 - (3) All weapons will remain on safe unless actively engaging a target.
 - (4) All Soldiers must practice muzzle awareness and aim their weapon on a target they intend to shoot.
 - (5) If the Squad does not safely complete blank fire iteration they will be retrained on the task and will fire blank fire iteration in order to shoot the live fire.
 - (6) All Soldiers will conduct a five-point safety check prior to moving from one position to the next. The Five-point Safety Check consists of the following:
 - (1) Place the Weapon on Safe.
 - (2) Close dust cover / ejection port cover.
 - (3) Identify next covered and concealed position.
 - (4) Look left.
 - (5) Look right.
 - (7) Weapons will be on safe during all movements. Weapons will only be placed on fire when engaging a target within the range fan.
 - (8) Soldiers will lock and load in the security halt/ORP. This is located vic. GA 0197 7318. Weapons will be cleared at the last engagement. As the Squad exfiles to the start point weapons will be on safe when not engaging targets.
 - (9) Soldiers will not engage target lifting boxes after they have fallen.
 - (10) Soldiers will avoid all identified dud areas and report any UXO to Company Leadership if found.
- d. Ammunition:
- (1) The ammunition NCO will sign for all blank and live ammunition.
 - (2) The blank and live ammunition will be physically separated within the ASP.
 - (3) The ASP will issue Soldiers only enough ammunition for one iteration of the blank/live fire.
 - (4) Delinking, re-linking, or use of delinked or re-linked ammunition is prohibited.

(5) Each Soldier will return all unused ammunition to the ASP at the completion of their iteration on the range.

(6) A weapon/ammunition check will be made before training to ensure no one has unauthorized ammunition in their possession.

(7) Weapon/Ammunition Malfunction Reports: When a malfunction is experienced, the OIC or Range Safety Officer will suspend all firing and immediately notify Range Division Alpha Base. Retain the weapons and all components and ammunition involved in place. An investigation is required and will be conducted by DOL.

e. Range Limits/Miscellaneous:

(1) All Soldiers are safety officers. Anyone observing an unsafe act will immediately call for a cease fire.

(2) All weapons will be discharged downrange and within the designated limits.

(3) Company Leadership will ensure all weapons systems fire within range limits as specified in the FB 350-19-1-E-R.

(4) All Company Leadership will conduct a terrain walk with the OIC prior to execution of the range to verify understanding of the range limits.

(5) The Scenario will be the same for dry, blank, and live fire for all Squads. The Night scenario will stay the same as the day for the dry, blank, and live fire.

(6) All Soldiers must practice muzzle awareness and aim their weapon only at targets they intend to shoot.

(7) If the squad does not safely complete a blank fire iteration they will be retrained on the task and will fire another blank fire in order to shoot the live fires exercise.

(8) The scenario will be the same for the dry, blank, and live fire for all Section and/or Platoon LFX.

(9) Safeties/OC's will ensure that personnel engage their specified target group as per weapon system

f. Roadblocks: Gates to be closed will be as shown on FB Form 350-19-1-E-R.

9. Lasers:

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

10. POC for this memorandum is 1LT Kornegay, Steven BN Engineer at (706) 544-4006.



CHARLES D. COSTANZA

COL, AR
Commanding

Garnsey 3rd BDE Team/Squad LFX (Log #3-4-14) Weapons/Ammo List Enclosure

Firing Positions	Weapons	Ammunition	Left Limit Mils, Grid Az	Right Limit Mils, Grid Az
OP: 0195 7331	M16/M4, M249, M203	5.56mm Blank/Ball/Tracer, 40mm TP	5910	6340
SBF1: 0194 7340	M16/M4, M249, M203 M240	5.56mm Blank/Ball/Tracer, 40mm TP 7.62mm Blank/Ball/Tracer	5620 5620	6130 5800
Assault: 0186 7358	M16/M4, M249, M203	5.56mm Blank/Ball/Tracer, 40mm TP	4800	6130
SBF2 (LOA/Counter Attack): 0179 7359 to 0182 7362	M16/M4, M249, M203 M240	5.56mm Blank/Ball/Tracer, 40mm TP 7.62mm Blank/Ball/Tracer	5040 5300	5485 5650
<p>Note: The M240 Will be Placed in The center of The SBF2, LOA/Counter Attack Firing Line. See Paragraph 5 of Scenario For a List of Various Pyrotechnics Approved For use. The Following lasers will be utilized: PEQ-2, PAQ-15 (Laser warning signs will be in place prior to training)</p>				



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

ATZB-SO

28 May 2014

MEMORANDUM FOR Commander, 2/69th Armor Battalion, Attn: SSG Nichols
Wethington, Fort Benning, GA 31905

SUBJECT: 2-69th AR Bn Squad LFX on Garnsey Range Packet and RMW Safety
Review

1. References.

a. 2-69th AR Bn Squad LFX on Garnsey Range Packet (07 May 2014) and RMW (11 April 2014).

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

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

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

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

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

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

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

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

2. Document received on 20 May 2014.

3. Concur w/comment.

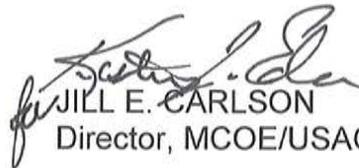
a. RMW Block 7 & 9, pg 1. "Hot weather injuries", recommend that the Initial and Residual Risk Levels be elevated to HIGH and MODERATE to more accurately reflect the probability of hot weather injury occurring at this time of the year.

ATZB-SO

SUBJECT: 2-69th AR Bn Squad LFX on Garnsey Range Packet and RMW Safety Review

4. The full performance of the Army Techniques Publication 5-19, Risk Management and DD Form 2977, begins immediately with full implementation set for 01 May 2015. The DD Form 2977 has replaced the DA Form 7566. The mandatory use of the 2977 is predicated upon the attrition of each form renewal, change in the risk approval authority, or document update.

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


JILL E. CARLSON
Director, MCOE/USAG Safety

COMPOSITE RISK MANAGEMENT WORKSHEET

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

1. MSN/TASK SQD LFC	2a. DTG BEGIN 20140602	2b. DTG END 20140606	3. DATE PREPARED (YYYYMMDD) 20140411
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4. PREPARED BY		b. RANK		c. POSITION	
a. LAST NAME		SFC		BRIGADE MASTER GUNNER	
SMITH, PATRIK					

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?
SQD LFX	Hot weather injuries	M	1) Training will be conducted in Full Marne and will be modified as necessary based on heat category. Prior heat casualties will be identified and monitored.	L	1) Uniform Adherence 2) Unit Policy 3) PPE, hydration, and safety inspection	1) OIC/NCOIC 2) Squad Leaders 3) Company Medics 4) CLS Qualified Individuals	
			2) Company will have ice sheets, immersion kits, and medical supplies on hand. Water buffalo will be on site. Company medics will be on site at all times		4) Leader involvement	5) Battle Buddy 6) Individual	
			3) Platoon's will ensure that the Soldiers consume 3 meals per day prior to training. 4) Prior heat casualties will be identified with a piece of red tape.				
			4) At a minimum Soldiers will intake 1 quart of water per hour. Daily intake should not exceed 12 quarts.				
			5) All platoon leadership will be certified and know the proper procedures for checking for treating, and evacuating hot and cold weather casualties				
			6) Platoon and company leadership will assess the cumulative effects of all training conducted prior to the LFX and the impact it will have on the event.				

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			d. SIGNATURE
a. LAST NAME	b. RANK	c. DUTY POSITION	
COSTANZA	COL	BRIGADE 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?
SQD LFX	Heat injuries (continued)		7) All personnel will take the appropriate measures to stay dry, including packing/carrying enough dry clothes to change into.				
	Foot Injuries	M	1) Platoon's will advise Soldiers to wear clean, dry socks and properly fitting boots 2) Platoon leadership will conduct periodic foot checks and enforce the changing of socks.	L	1) Uniform Adherence 2) Unit Policy 3) PPE, hydration, and safety inspection	1) OIC/NCOIC 2) Squad Leaders 3) Company Medics 4) Team leaders	
					4) Personnel will bring extra socks and boots. 5) Platoon leadership will perform foot checks.		
	Falls	M	1) Range safety officer will issue a safety briefing to all soldiers prior to the start of training. Range safety officer will include an orientation of the training area.	L	1) Students will be advised of the hazards of the terrain and given a safety briefing.	1) Range Safety Officer	
	Soldier fatigue and/or lack of alertness	M	1) Platoons will ensure that Soldiers receive three meals per day, either Meals Ready to Eat or Hot A.	L	1) Soldiers will receive three meals a day and leadership will ensure those Soldiers eat those meals.	1) Company commander 2) Platoon leadership 3) Range Safety Officer 4) Squad Leaders	
			2) Platoons will ensure that Soldiers receive at least six hours of undisturbed sleep prior to execution of the live fire exercise.		2) Students will be given over six hours each night to sleep prior to the LFX		
	Accidental Discharge	H	1) range safety officer will issue a safety brief prior to start of training. Platoon leadership will strictly enforce weapons safety and class V accountability after LFX	M	1)Platoon leadership will ensure all Soldiers follow all weapon safety procedures.	1) Company commander 2) Platoon leadership 3) Range Safety Officer 4) Squad Leaders	
			2) All Soldiers will wear IBA/IOTV with SAPs during blank and live fires. All weapons will be visually inspected prior to coming off the range		2) PCC's and PCI's will be conducted prior to any squad moving to the ORP.	1) Company commander 2) Platoon leadership 3) Range Safety Officer 4) Squad Leaders	
	Soldier shot onrange.	H	1) CO Commander will validate the range operation during company train-up	M	1) company will reinforce training leading up to event	1) Company commander 2) Platoon leadership 3) Range Safety Officer 4) Range OIC/NCOIC	
			2) Platoon leaders and company commander will conduct range reconnaissance prior to training. Company commander will confirm that target array supports range fans and SDZ's		2) OIC will confirm that target array supports range fans and surface danger zones.	5) Lane walkers 6) Target Operator 7) Company Medics	

ITEMS 5 THROUGH 12 CONTINUED:

5. SUBTASK	6. HAZARDS	7. INITIAL RISK LEVEL	8. CONTROLS	9. RESIDUAL RISK LEVEL	10. HOW TO IMPLEMENT	11. HOW TO SUPERVISE (WHO)	12. WAS CONTROL EFFEC-TIVE?
SQD LFX	Soldier shot on range (continued)		3) All Soldiers will qualify on their weapon system prior to execution. All M249, M240B, and M203 gunners will complete familiarization live fire training with these weapon systems.		3) All Soldiers will qualify on their assigned weapon system and IMT.		
			4) All Soldiers will execute five safety checks during IMT. Weapon safe, look left/right, close dust cover, locate nearest covered and concealed position, IMT to that position.		4) All Soldiers will have familiarization with the M240B, M249, and M203 prior to live fire training.		
			5) All platoons will complete dry fire, and blank fire, prior to execution of live fire exercise. 6) Soldiers will receive six hours of undisturbed sleep, the night before the LFX		5) All Soldiers will follow the proper safety procedures for IMT.		
			7) Range OIC will conduct target operator rehearsal prior to execution of Dry Fire. Range OIC will conduct daily target operator rehearsals upon personnel shift changes.		6) All lane walkers will be certified on all live fire exercises prior to training.		
			8) All leadership positions and key weapon systems will remain the same during dry, blank, and live fire exercises. Squads will execute same scheme of maneuver for dry, blank, live.		7) Target operator will perform a rehearsal before the live fire.		
			9) A minimum of two lane walkers will position themselves with each separate element during execution of the BFX and LFX.		8) Leadership positions and key weapons systems will remain the same during dry, blank, and live fire exercises.		
			10) Lane walkers will maintain communication, on non-tactical radios, between support by fire element and assault element.		9) At least two lane walkers will accompany each element during BFX and LFX.		
			11) Platoons will ensure that each platoon has resources to execute redundant signaling plan.		10) Lane walkers w/SBF will communicate w/lane walkers w/assault element.		
			12) All weapons will shift fire when assault element is within 40 degrees of SBF gun target line.		11) Lane walkers will ensure SBF weapons shift fire when the assaulting element reach the designated degrees.		
			13) Lane walkers with assault element confirm shift fire and cease fire, via non-tactical radio, before allowing assault element to continue assault onto objective.				

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?
SQD LFX	Soldier Shot on Range (continued)		14) A medic with aid bag will accompany each platoon during execution of live fire training. OIC will ensure medic vehicle is positioned at ORP. The driver will have rehearsed routes.		12) Medic, ambulance, and driver will be present and will have rehearsed prior to LFX.		
			15) All weapons will be visually inspected prior to coming off range. 16) Soldiers will wear ACHs and IBA for both BFX and LFX.		13) Lane walkers will inspect Soldiers before and after each iteration.		
	Mixing live and blank ammunition	H	1) Range OIC will establish separate Class V issue points for blank and live ammunition.	M	1) Two different issue points will be established over 10 meters apart.	1) RSO 2) Ammunition NCOIC 3) Range OIC 4) Platoon leadership	
			2) Ammunition NCOIC will maintain exact count of live ammunition that is issued to each platoon and how much ammunition the platoons return to the Class V point.		2) Ammunition NCOIC will maintain a chart of ammunition break down.		
			3) Platoon leadership will visually inspect all magazines, and magazine pouches after live fire training and before blank fire training to ensure that Soldiers do not have live ammunition.		3) All Soldiers will be inspected after every iteration of blank and live fire.		
	Weapons/Ammunition Malfunctions	H	1) All Soldiers will complete training on load, fire, perform immediate action and clearing all weapon systems.	M	1) All Soldiers will complete training on SPORTS and on load, fire, perform immediate action and clearing.	1) Platoon leadership 2) Range RSO 3) Range OIC	
			2) All M249 gunners will certify on load, fire, perform immediate action, and clear weapons immediately preceding execution of blank and live fire exercises.				
	Live Fire Exercise Control	M	1) All personal on the range will be briefed on the hazards listed on the Daily Risk Assessment to include proper Immediate Action for a malfunction, stoppage, or misfire.	L	1) Range OIC will fill out Daily Risk Assessment prior to any training and will update as conditions change.	1) Range OIC 2) Range RSO 3) Company Commander	
			2) All personnel will also be briefed on Remedial Action to be taken in the event Immediate Action does not correct the malfunction, stoppage or misfire.				

COMPOSITE RiSK MANAGEMENT WORKSHEET

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

1. MSNITASI< SQDLFC	2a. DTG BEGIN 20140602	2b. DTG END 20140606	3. DATE PREPARED (YYYYMMDO) 20140411
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4. PREPARED BY e. LAST NAME SMITH, PATRIK	b. RANK SFC	c. POSITION BRIGADE MASTER GUNNER
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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 EFFEC-TIVE?
SQD LFX	Hot weather injuries	--	1) Training will be conducted in Full Marnе and will be modified as necessary based on heat category. Prior heat casualties will be identified and monitored.	T	1) Uniform Adherence 2) Unit Policy 3) PPE, hydration, and safety inspection	1) OIC/INCO/IC 2) Squad Leaders 3) Company Medics 4) CLS Qualified Individuals	
			2) Company will have ice sheets, immersion kits, and medical supplies on hand. Water buffalo will be on site. Company medics will be on site at all times		4) Leader involvement	5) Battle Buddy 6) Individual	
			3) Platoon's will ensure that the Soldiers consume 3 meals per day prior to training. 4) Prior heat casualties will be identified with a piece of red tape.				
			4) At a minimum Soldiers will intake 1 quart of water per hour. Daily intake should not exceed 12 quarts.				
			5) All platoon leadership will be certified and know the proper procedures for checking for treating, and evacuating hot and cold weather casualties				
			6) Platoon and company leadership will assess the <i>cumulative effects</i> of all training conducted prior to the LFX and the impact it will have on the event.				

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

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

LOW
 MODERATE
 HIGH
 EXTREMELY HIGH

14. RiSK DECISION AUTHORITY			
a. LAST NAME COSTANZA	b. RANK COL	c. DUTY POSITION BRIGADE COMMANDER	d. SIGNATURE

ITEMS 5 THROUGH 12 CONTINUED:							
5. SUBTASK	6. HAZARDS	7. INITIAL RISK LEVEL	8. CONTROLS	9. RESIDUAL RISK LEVEL	10. HOW TO IMPLEMENT	11. HOW TO SUPERVISE (WHO)	12. WAS CONTROL EFFECTIVE?
SQO LFX	Heat injuries (continued)		7) All personnel will take the appropriate measures to stay dry, including packing/carrying enough dry clothes to change into.				
	Foot Injuries		1) Platoons will advise Soldiers to wear clean, dry socks and properly fitting boots 2) Platoon leadership will conduct periodic foot checks and enforce the changing of socks.	L	1) Uniform Adherence 2) Unit Policy 3) PPE, hydration, and safety inspection	1) OIC/NCOIC 2) Squad Leaders 3) Company Medics 4) Team leaders	
					4) Personnel will bring extra socks and boots. 5) Platoon leadership will perform foot checks.		
	Falls	a -	1) Range safety officer will issue a safety briefing to all soldiers prior to the start of training. Range safety officer will include an orientation of the training area.	L	1) Students will be advised of the hazards of the terrain and given a safety briefing.	1) Range Safety Officer	
	Soldier fatigue and/or lack of alertness	M	1) Platoons will ensure that Soldiers receive three meals per day, either Meals Ready to Eat or Hot A.	L	1) Soldiers will receive three meals a day and leadership will ensure those Soldiers eat those meals.	1) Company commander 2) Platoon leadership 3) Range Safety Officer 4) Squad Leaders	
			2) Platoons will ensure that Soldiers receive at least six hours of undisturbed sleep prior to execution of the live fire exercise.		2) Students will be given over six hours each night to sleep prior to the LFX		
	Accidental Discharge	H	1) range safety officer will issue a safety brief prior to start of training. Platoon leadership will strictly enforce weapons safety and class V accountability after LFX		1) Platoon leadership will ensure all Soldiers follow all weapon safety procedures.	1) Company commander 2) Platoon leadership 3) Range Safety Officer 4) Squad Leaders	
			2) All Soldiers will wear IBA/IOTV with SAPs during blank and live fires. All weapons will be visually inspected prior to coming off the range		2) PCC's and PCPs will be conducted prior to any squad moving to the ORP.	1) Company commander 2) Platoon leadership 3) Range Safety Officer 4) Squad Leaders	
	Soldier shot on range.	H	1) CO Commander will validate the range operation during company train-up	M	1) company will reinforce training leading up to event	1) Company commander 2) Platoon leadership 3) Range Safety Officer 4) Range OIC/NCOIC	
			2) Platoon leaders and company commander will conduct range reconnaissance prior to training. Company commander will confirm that target array supports range fans and SDZs		2) OIC will confirm that target array supports range fans and surface danger zones.	5) Lane walkers 6) Target Operator 7) Company Medics	

ITEMS 5 THROUGH 12 CONTINUED

5. SUBTASK	6. HAZARDS	INITIAL RISK LEVEL	8. CONTROLS	9. RESIDUAL RISK LEVEL	O. HOWTO IMPLEMENT	11. HOWTO SUPERVISE (WHO)	12. WAS CONTROL EFFEC-TIVE?
SQO LFX	Soldier shot on range (continued)		3) All Soldiers will qualify on their weapon system prior to execution. All M249, M240B, and M203 gunners will complete familiarization live fire firing with these weapon systems.		3) All Soldiers will qualify on their assigned weapon system and RAT.		
			4) All Soldiers will execute five safety checks during IMT. Weapon safe, look left/right, close dust cover, locate nearest covered and concealed position, IMT to that position.		4) All Soldiers will have familiarization with the M240B, M249, and M203 prior to live fire training.		
			5) All platoons will complete dry fire, and blank fire, prior to execution of live fire exercise. 6) Soldiers will receive six hours of undisturbed sleep, the night before the LFX		5) All Soldiers will follow the proper safety procedures for IMT.		
			7) Range OIC will conduct target operator rehearsal prior to execution of Dry Fire. Range OIC will conduct daily target operator rehearsals upon personnel shift changes.		6) All lane walkers will be certified on all live fire exercises prior to training.		
			8) All leadership positions and key weapon systems will remain the same during dry, blank, and live fire exercises. Squads will execute same scheme of maneuver for dry, blank, live.		7) Target operator will perform a rehearsal before the live fire.		
			9) A minimum of two lane walkers will position themselves with each separate element during execution of the BEX and LFX.		8) Leadership positions and key weapons systems will remain the same during dry, blank, and live fire exercises.		
			10) Lane walkers will maintain communication, on non-tactical radios, between support by fire element and assault element.		9) At least two lane walkers will accompany each element during BFX and LFX.		
			11) Platoons will ensure that each platoon has resources to execute redundant signaling plan.		10) Lane walkers w/SBF will communicate w/lane walkers w/assault element.		
			12) All weapons will shift fire when assault element is within 40 degrees of SBF gun target		11) Lane walkers will ensure SBF weapons shift fire when the assaulting element reach the designated degrees.		
			13) Lane walkers with assault element confirm shift fire and cease fire, via non-tactical radio, before allowing assault element to continue assault onto objective.				

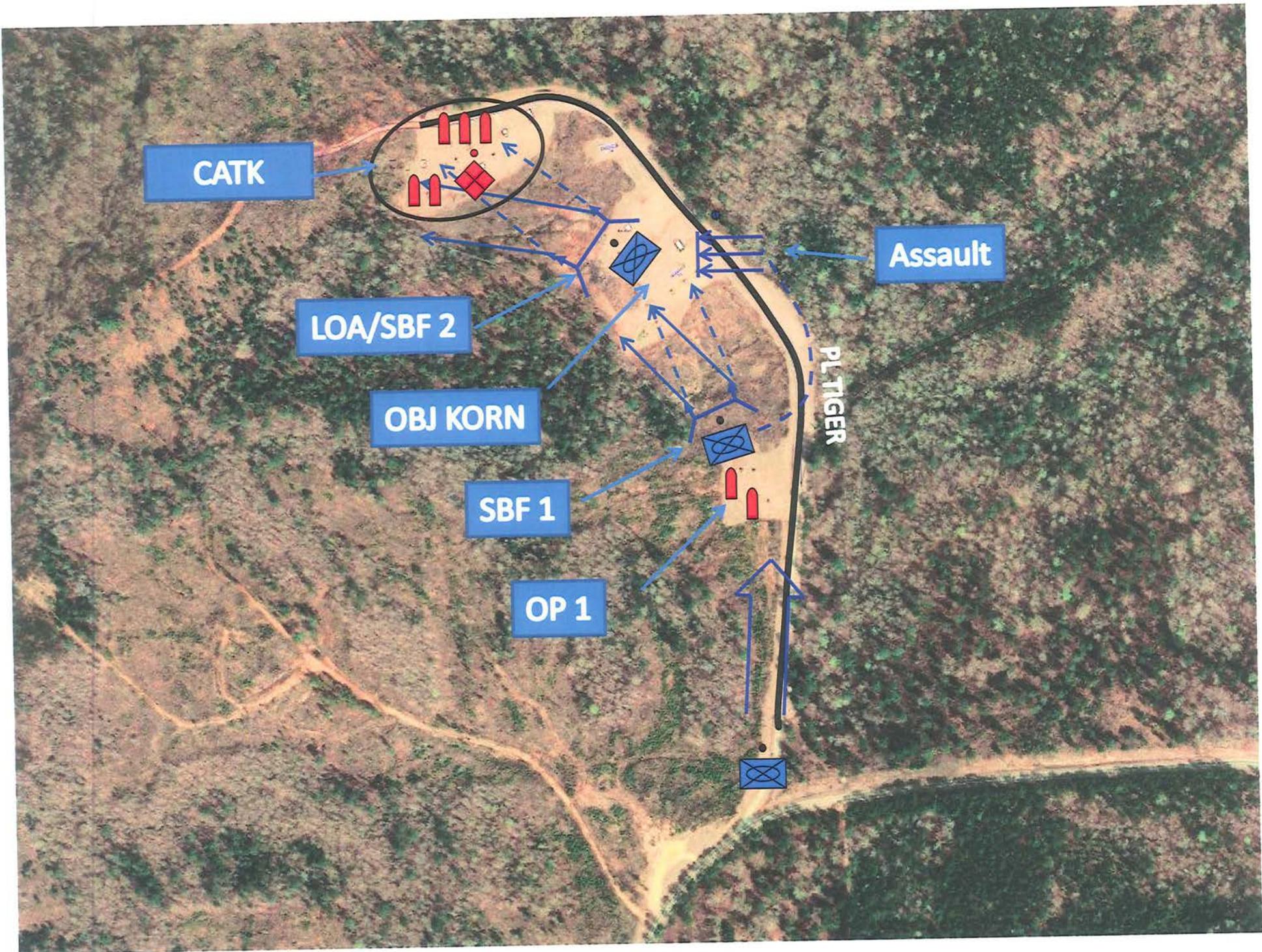
ITEMS 5 THROUGH 12 CONTINUED:

5. SUBTASK	6. HAZARDS	7 INITIA L RISK	5. CONTROLS	RESID UAL	10. HOW TO IMPLEMENT	11. HOW TO SUPERVISE	12.W AS CONT
SQD LFX	Soldier Shot on Range (continued)		14) A medic with aid bag will accompany each platoon during execution of live fire training,		12) Medic, ambulance, and driver will be		
			15) All weapons will be visually inspected prior to coming off range.		13) Lane walkers will inspect Soldiers before and		
	Mixing live and blank ammunition	H	1) Range OK will establish separate Class V issue points for blank and live ammunition.	1	1) Two different issue points will be established over 10	1) RSO 2) Ammunition NCOIC	
			2) Ammunition NCOIC will maintain exact count of live ammunition that is issued to		2) Ammunition NCOIC will maintain a chart		
			3) Platoon leadership will visually inspect all magazines, and magazine pouches after live		3) All Soldiers will be inspected after every		
	Weapons/Ammunition Malfunctions		1) All Soldiers will complete training on load, fire, perform immediate action and clearing	W	1) All Soldiers will complete training on SPORTS and	1) Platoon leadership 2) Range	
			2) All M249 gunners will eertii on load, fire, perform immediate action, and clear weapons immediately				
	Live Fire Exercise Control	←	1) All personal on the range will be briefed on the hazards listed on the Daily Risk Assessment	T	1) Range OIC will fill out Daily Risk Assessment prior	1) Range OIC 2) Range RSO 3) Company	
			2) All personnel will also be briefed on Remedial Action to be taken in the				

Garnsey Range, 3rd BDE Team/Squad LFX (Log #3-4-14) Roadblock List May 20, 14

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

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



CATK

Assault

LOA/SBF 2

OBJ KORN

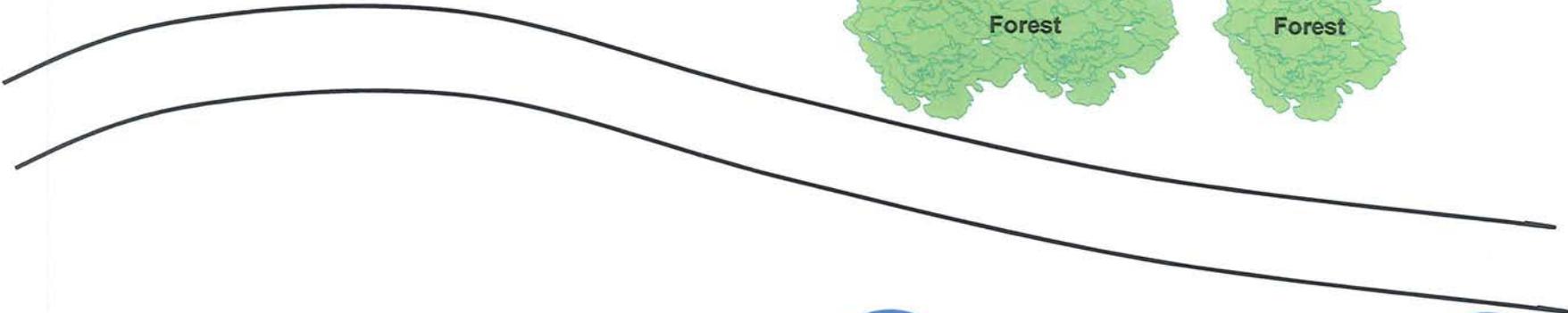
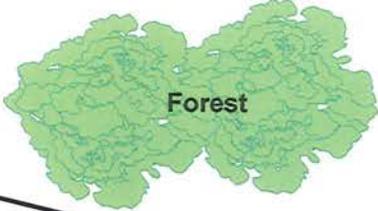
SBF 1

OP 1

PL TIGER

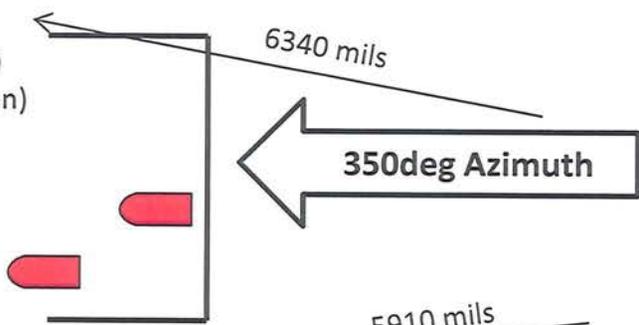


Contact with LP/OP



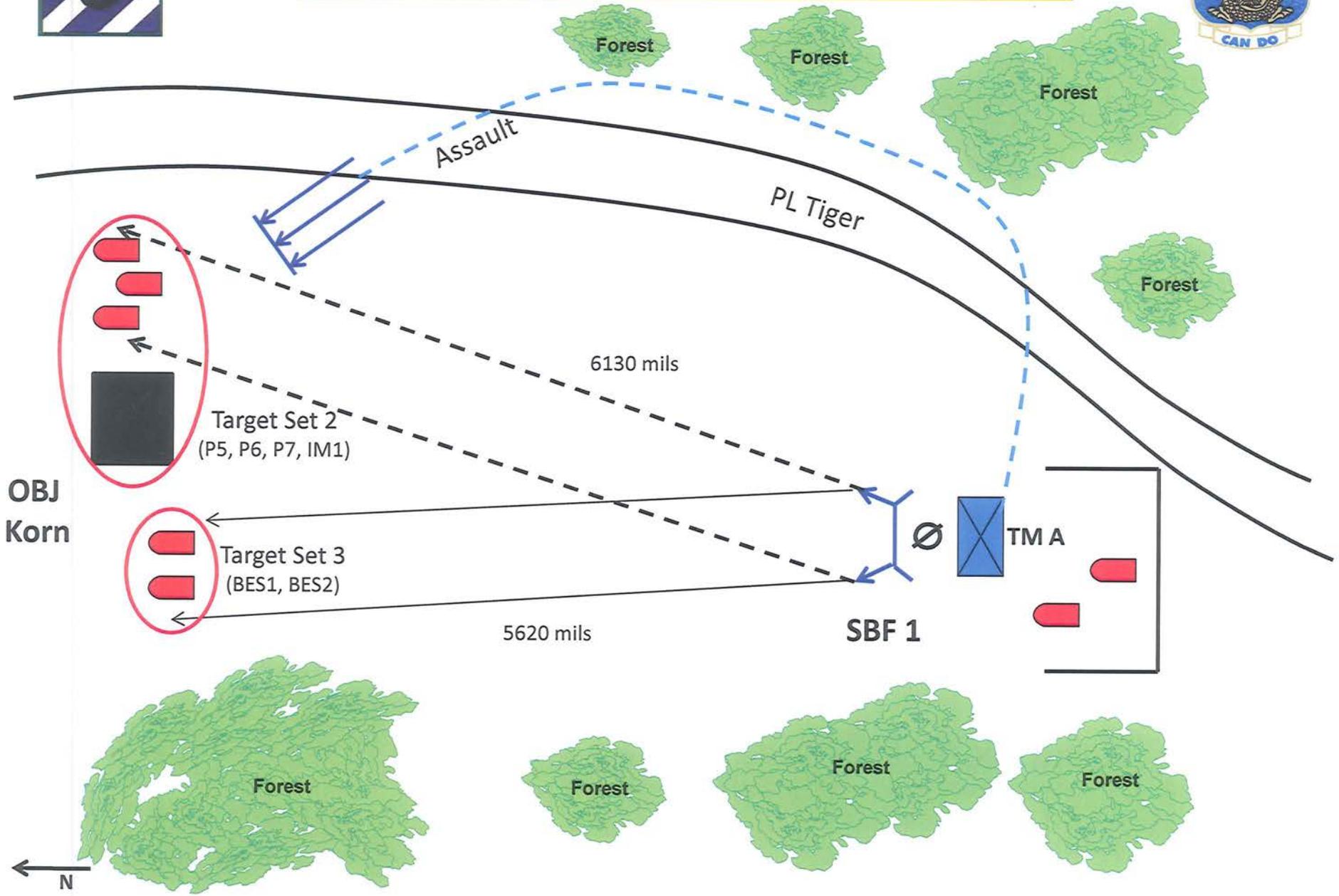
Target Set 1
(Stationary Position)
(P2, P4, Pneumatic Gun)

GA 0194 7339



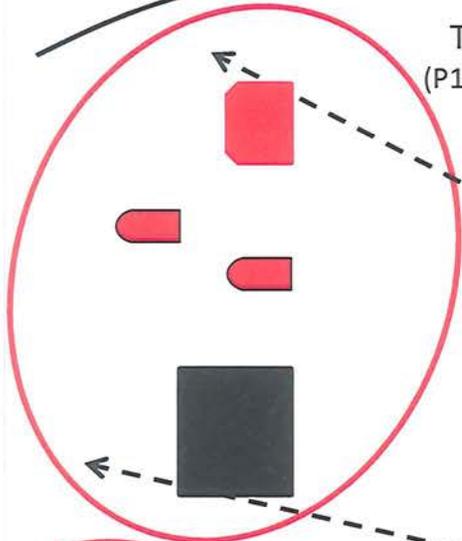
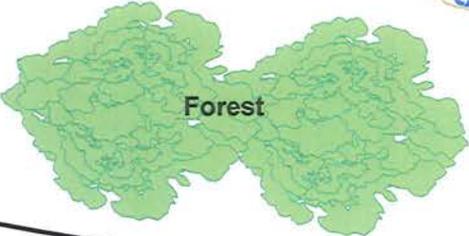


Team/ Squad React to Contact



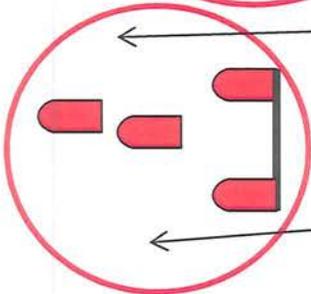


React to Counter-Attack (CATK)



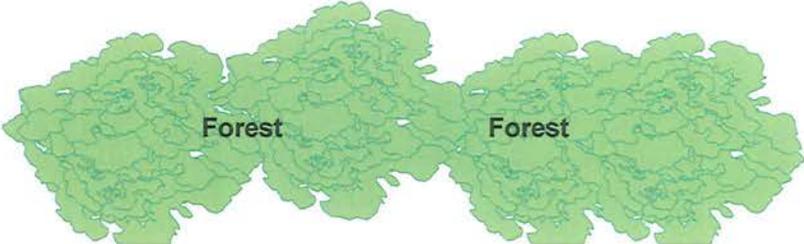
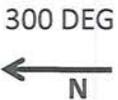
Target Set 5
(P10, P11, V1, B1)

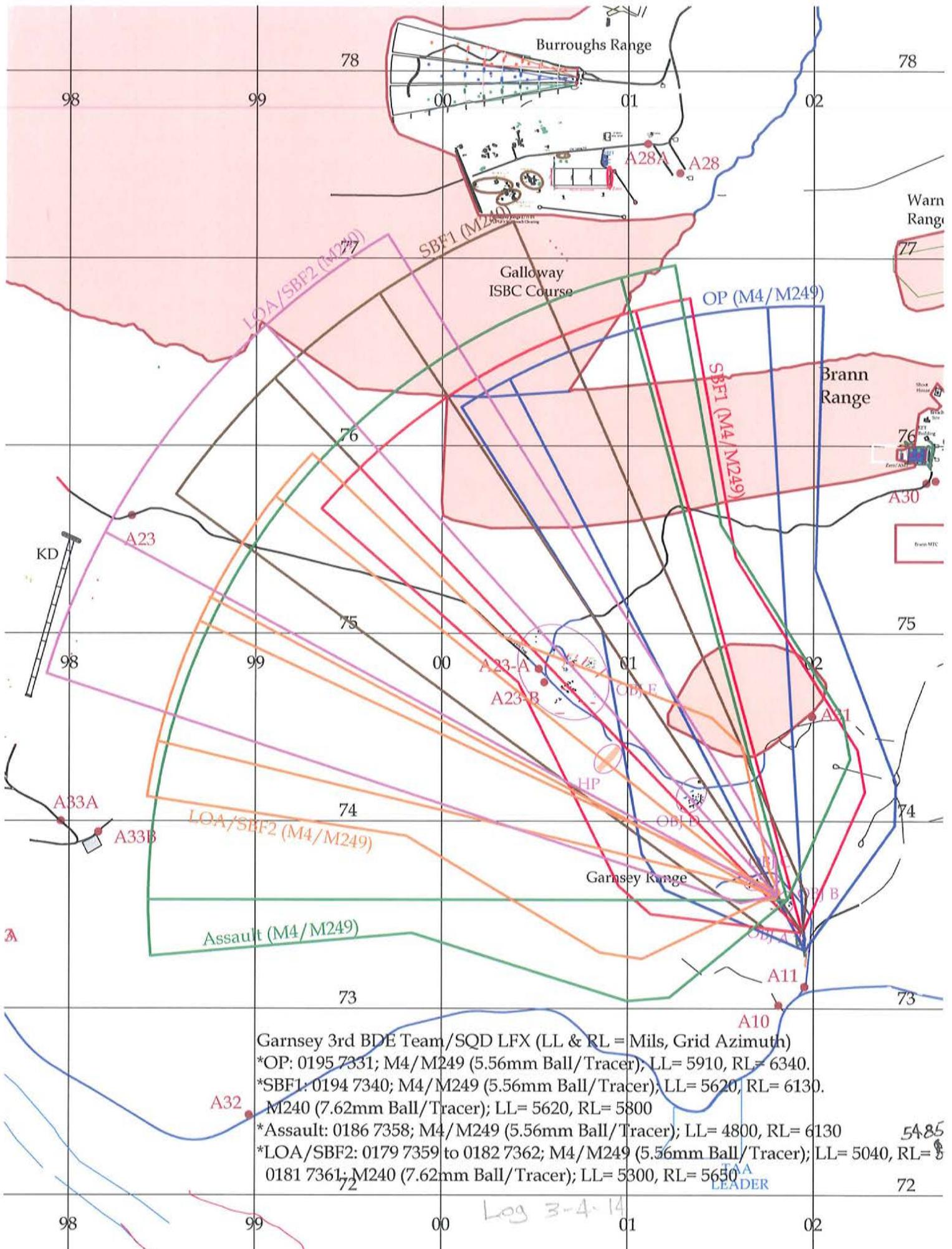
5650 mils



Target Set 6
(P8, P9, IM3)

5040 mils





Garnsey 3rd BDE Team/SQD LFX (LL & RL = Mils, Grid Azimuth)

- *OP: 0195 7331; M4/M249 (5.56mm Ball/Tracer); LL= 5910, RL= 6340.
- *SBF1: 0194 7340; M4/M249 (5.56mm Ball/Tracer); LL= 5620, RL= 6130.
- M240 (7.62mm Ball/Tracer); LL= 5620, RL= 5800
- *Assault: 0186 7358; M4/M249 (5.56mm Ball/Tracer); LL= 4800, RL= 6130
- *LOA/SBF2: 0179 7359 to 0182 7362; M4/M249 (5.56mm Ball/Tracer); LL= 5040, RL= 5485
- 0181 7361; M240 (7.62mm Ball/Tracer); LL= 5300, RL= 5650

Log 3-4-14

5485
LEADER



RECORD OF ENVIRONMENTAL CONSIDERATION (REC)



Date Submitted: 11/15/2013

EMD Number: 1332207

Project#: Unknown

Project Title: Squad Live Fire Exercise

Description of proposed action:

Units will conduct a blank and live fire exercise at a squad level. Units will bound flank and engage targets using both blank and live ammunition. Pyrotechniques will be used.

Project Location:

Brann, Griswold, Garnsey, Galloway, DMPCRC, K36

Amount, Description, Location of Disturbance/Digging:

none

Number of Personnel:

None

Type of Ammunition:

5.56, 7.62, 40mmTP/HE, m67, Pyro live & Blank

Number/Types of Trees:

none

Size of Project Area: N/A

Duration of Action: Start: 11/29/2013 Stop: 9/30/2014

Proponent: justin.albaugh

706-545-7716

Organization/Unit: 3rd Ranger Battalion

Number/Types of Vehicles:

4x Strykers, 4 x HMMV's, 2x Bus

DECISION: Concur with conditions

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

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

REC APPROVED THROUGH 30 SEPTEMBER, 2014

THIS ACTION REQUIRES APPROVAL OF RANGE OPS OFFICER FOR USE OF "HE" ROUNDS

Natural Resources RCW - BRAC Conditions:

Jonathan Neufeldt (706 544 7705), 11/25/2013

See attachment Training Restrictions 1996. See comments from Michael Barron. Keep HE impacts in K15 impact area.

Cultural Resources - Archeological Conditions:

Edward Howard (706 545 1898), 11/19/2013

See attached PDF maps for reference. See "Sensitive Area" signs attachment for appearance of the signs. 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. Resubmittal is required if submitted project is modified in any way.

EMD Number: 1332207

IJO# Unknown

Project Title: Squad Live Fire Exercise

Natural Resources - RCW

Conditions:

Michael Barron (706 544 7080), 11/18/2013

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). Units may fire on existing ranges but must make every effort to contain their firing to the established range footprints. Targets may not be moved from their current positions nor may new targets be established without approval via a separate 144R and a site visit with this office. Please note that flanking maneuvers are limited on Griswold Range; minor flanking may occur from west to northeast in pre-approved areas where there are natural backstops. If any bullet damage is noted in the RCW clusters that are on either side of the range, training will be halted until a workable solution can be found. Live fire is limited in the K36 training area to the northeast corner, commonly referred to as the Ranger Objective and from Concord OP. No other live fire is permitted in this compartment, especially in the RCW clusters.

CWA - Training

Conditions:

Leah Ropski (706 626 0492), 11/19/2013

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.

Noise

Conditions:

Ellis Leeder (706 545 2400), 11/18/2013

This is training operations request for training. If there is any operational noise complaints received, the Environmental Management Division Installation Operational Noise Monitoring Program (IONMP) and or Public Affairs Office (PAO) programs will investigate and then recommending operational noise mitigation actions to the appropriate personnel for the training actions. In accordance with the Army's policy on environmental noise management, all efforts shall be made to minimize noise annoyances to the highest extent practicable with training operations without interfering with the proposed missions. Please follow the fly friendly program avoiding noise abatement areas. Please follow good smoke management practices not allowing smoke or dust to travel off Installation boundary into public areas or roads. Please increase distance between vehicles when dust conditions are extreme, see Table 5-3. CS gas use should be utilized in designated areas only, contact Range Control for a listing of approved CS gas sites. Please visit the Range Operations website to obtain a list of approved weapons per Range or Firing Points. . Leave the training areas, firing range, latrines in a clean condition; contact Range Operations if unclean conditions are found or clean up costs or cleaning endeavors by proponent could occur to last user. If any assistance or a copy of MCoE Regulation 350-19 or the IONMP noise plan is needed for review, please feel free to contact Ellis Leeder at 706.545.2400 or email ellis.p.leeder.civ@mail.mil or visit the Range Control Website for the updated version of MCoE Regulation 350-19, range guidance and other materials for your range packet. This 144r must be present at the training site when occupying compartment or ranges.

EMD Number: 1332207

IJO# Unknown

Project Title: Squad Live Fire Exercise

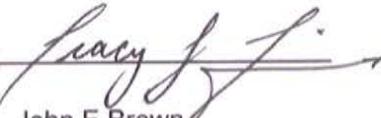
Hazardous Materials/Waste

Conditions:

Carlos Ariaschoa (706 545 1857), 11/18/2013

Any wastes generated must be evaluated for their hazardous characteristics and disposed of in accordance with all Federal, State and Fort Benning Hazardous Waste Regulations. Appropriate precautions must be taken to prevent hazardous material spills. Adequate quantities of spill response supplies must be on hand while work is being performed. If a spill occurs use notification procedures as outlined in the Fort Benning Hazardous Waste Management Plan. Contain and clean up any spill according to guidance provided by the Environmental Programs Management Branch. Defective, misfired, or otherwise unserviceable munitions must be managed IAW/MCOE Reg.350-19-5-10, Para 9-2 (Proper management of Misfired munitions). All excess, munitions must be returned to the Ammunition Supply Point after the field exercise is completed. Rubbish, empty containers and other waste (including used smoke/C2 canisters) should be removed from the training area. A dud shall not be removed from the range; it will be marked, called into range control and will be properly disposed of by EOD personnel IAW/MCOE Reg. 350-19, 23 Jul 2010. EPMB provides an 8 hours course covering Hazardous Materials/Waste Management, Hazardous Waste Minimization, Safety, and Pollution Prevention.

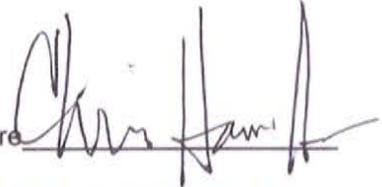
Signature



for John E Brown
NEPA Program Manager

Date 25 NOV 2013

Signature



Christopher E. Hamilton, PhD

EPMB Chief

Date

25 Nov 13

SPILL RESPONSE RECORD

FIELD TRAINING EXERCISES AND DEPLOYMENT GENERAL SPOC CHECKLIST Figure 6.9.1

Units should continually keep HM/HW areas clean and orderly by applying the principals of Monitoring and Housekeeping. Vehicle Maintenance and Fueling Points, HW Collection Points and HM Storage & Supply Areas may not be set up at your filed training area and/or deployment destination.

BEFORE you deploy, plan to pack drip pans, rags, plastic, dry sweep, absorbent, and pallets to prevent drips, spills, and leaks from seeping into the ground and contaminating soil and water resources.

Plan to build your areas to prevent HM accidents before they occur. An easy way to remember what to check, is to remember your CHECK list:

Containment:

- ___ Ensure that secondary containment is used and in good condition.
- ___ Empty water within secondary containment on a regular basis. If water is contaminated, dispose of it IAW the Unit Hazardous Waste Management Plan.

HM/HW locations:

- ___ Make sure the locations of your HM/HW are well chosen. Stay away from waterways, drainage, sensitive areas, living areas, bunkers, ammunition storage, fence lines and/or dining facilities. Place them near the areas where hazardous materials are used.
- ___ Put up warning signs and keep them clean and orderly.

Environmental Documentation:

- ___ Maintain MSDSs for each hazardous material and update Unit/Activity SOPs and Spill Response Plans regularly.

Containers:

- ___ Check condition of containers and keep containers of incompatible materials in proper order.

Kits:

- ___ Place Spill Kits, First Aid Kits, and Emergency Response Kits in the vicinity of the HM/HW areas.
- ___ Spill Kits should also be available on vehicles transporting hazardous material/waste.

PHASE I - IMMEDIATE ACTIONS FOR EVALUTING AND REPORTING SPILLS:

IMMEDIATELY REPORT ALL SPILLS TO YOUR SUPERVISOR AND CALL 911

****BE PREPARED TO PROVIDE THE FOLLOWING INFORMATION TO 911 OPERATOR.**

During Duty Hours also Call Mr. Felix Seda, EPMB Spill Manager at 545-9879

1. DATE/TIME OF SPILL: _____
 2. LOCATION: _____
 3. MATERIAL SPILLED (include NSN and ingredients, if able): _____
 4. HAZARD: FLAMMABLE _____ TOXIC _____ CORROSIVE _____
OXIDIZER _____ REACTIVE _____ UNKNOWN _____
OTHER (specify) _____
 5. CAUSE OF SPILL: _____
 6. DESCRIPTION OF SPILL QUANTITY, SIZE AND TYPE OF AREA AFFECTED:
 - a. Quantity Released and Size of Spill Area: _____
 - b. Soil: _____
 - c. Pavement: _____
 - d. Vegetation: _____
 - e. Storm or Sewer Drain: _____
 - f. Name of Body of Water (River, Creek, Pond, Lake, Drainage Ditch): _____
 7. HAS RELEASE BEEN STOPPED? _____
 8. HAS RELEASE BEEN CONTAINED? _____
 9. DID RELEASE CROSS INSTALLATION BOUNDARIES? (IF YES, DESCRIBE LOCATION) _____
 10. TYPE AND EXTENT OF INJURIES, IF ANY: _____
- **Provide a copy of this form to DPW EPMB Spill Program Manager or FAX to 545-4209**
- ## PHASE II - POST-SPILL RESPONSE AND CLEAN UP ACTIONS:
11. DESCRIBE CLEAN-UP METHOD AND CONTAINMENT PROCEDURES: _____
 12. NAME OF CONTRACTOR INVOLVED IN CLEAN-UP: _____
 13. ESTIMATED AMOUNT OF SPILL RESIDUE AND CONTAMINATED MATERIAL REMOVED: _____

FORT BENNING ENVIRONMENTAL REGULATIONS SUMMARY

SENSITIVE AREAS: Endangered species habitat or cultural resources. They are marked with steel pickets and white signs. Digging and vehicular traffic is prohibited.

POL/HAZMAT SPILLS: Report all spills through Range Control at 545-3474. If assistance is required from the Fire Department/HAZMAT Team, Range Control will make notifications through E-911. For POL spills greater than 20 gallons on land or any quantity on surface water, the Environmental Management Division (EMD) must be immediately notified through E-911 or 545-9879/4203. For POL spills less than 20 gallons on land, a Spill Report Form must be submitted within 24 hours to the EMD (Call 545-9879 and/or FAX 545-4209). After hours call the spill pager at 317-6584.

Unit should begin spill control measurements (REACT) within their capabilities. If a spill occurs within a sensitive area; stop the source, contain, and absorb the spill material - do not dig until EMD personnel arrive at the site.

- Be prepared to report:
- Time, grid location, and cause of spill.
 - Type of product and amount spilled.
 - Distance from flowing water.
 - Action taken to combat spill.

See USAIC 210-4, Range and Terrain Regulations, for more detail.

ENVIRONMENTAL INCIDENT REPORT FORM

Unit: _____

OIC/NCOIC: _____

Training Area: _____

Grid Coordinates: _____

Date and Name: _____

Signature: _____

FORT BENNING ENVIRONMENTAL REGULATIONS SUMMARY

RED-COCKADED WOODPECKER (RCW): Cavity trees are identified by two white bands. Cluster boundaries extend 200 feet around each cavity tree, and are delineated by diamond-shaped signs. **WITHIN a cluster:**

- Personnel MAY NOT stay for more than 2 hours; NO BIVOUACS.
- The only digging allowed is BY HAND for hasty defense light infantry fighting positions. ALL other digging is prohibited.
- Within one half mile of a cluster, NO MECHANICAL DIGGING may be done within 20 feet of any mature pine tree (8 inch diameter or greater).
- Off-road vehicles MAY NOT come within 50' of any cavity tree.
- Use only .50cal and 7.62mm (or smaller) blank ammo; NO LIVE FIRE.
- CS gas, HC smoke, and noise generators MAY NOT be used.
- Incendiary devices (including trip flares) MAY NOT be used.
- Only hardwood may be cut for camouflage; CUT NO PINE.

GOPHER TORTOISE: Inhabits burrows in high sandy areas. Some burrows are marked by white 1" PVC pipe topped with reflective tape. Digging and vehicular traffic must be kept more than 50 feet away from burrows.

----- CUT HERE -----

ENVIRONMENTAL INCIDENT REPORT FORM

For your protection, company commanders are asked to document any environmental incidents by completing this card and forwarding it to the Chief, Environmental Management Division, Building 6, Room 307, or call 545-2180, within 24 hours of incident. Check off incident and take corrective actions.

- _____ bivouacking in RCW cluster (Relocate bivouac site.)
- _____ off-road driving / parking within 50' of RCW cavity tree (Relocate.)
- _____ digging in RCW cluster [except individual hasty fighting positions] (Refill holes.)
- _____ scarring or felling of trees in RCW cluster (Contact EMD Conservation Branch through Range Control.)
- _____ digging or driving in Sensitive Area (Relocate, DO NOT refill holes.)
- _____ wildfire started (Begin suppression and contact Range Control.)
- _____ POL spill greater than 20 gallons on land or any quantity on water (Immediately contact Range Control and begin spill control - REACT.)
- _____ POL spill less than 20 gallons on land (Begin spill control - REACT; contact Range Control and submit a Spill Report Form to EMD within 24 hours.)

Risk Assessment Matrix

		HAZARD PROBABILITY					
		FREQUENT	LIKELY	OCCASIONAL	SELDOM	UNLIKELY	
		A	B	C	D	E	
S E V E R I T Y	CATASTROPHIC	I	EH	EH	H	H	M
	CRITICAL	II	EH	H	H	M	L
	MODERATE	III	H	M	M	L	L
	NEGLIGIBLE	IV	M	L	L	L	

RISK LEVELS

Extremely High - Loss of ability to accomplish the mission.

High - Significantly degrades mission capability.

Medium - Degrades mission capability.

Low - Little or no impact to mission capability.

Examples

I/A = Extremely High

II/B = High

III/C = Medium

IV/D = Low

EFFECT

1. CATASTROPHIC - Death or permanent total disability, system loss, major property damage.
2. CRITICAL - Permanent partial disability, temporary total disability, major system damage, major property damage.
3. MODERATE - Minor injury, lost workdays, compensable injury/illness, minor system damage, minor property damage.
4. NEGLIGIBLE - First aid or minor supportive medical treatment, minor system impairment.

PROBABILITY

- A. FREQUENT - Occurs often - resources are continuously exposed.
- B. LIKELY - Occurs frequently - resources are exposed frequently and/or several times.
- C. OCCASIONAL - Occurs sometimes - resources are exposed sporadically.
- D. SELDOM - Remote occurrence - resources are possibly exposed.
- E. UNLIKELY - Rare occurrence of exposure