

Galloway Range 3/75 Fire Team Maneuver LFX (Log #1-1-14) Weapons/Ammo/Target List Enclosure

Firing Positions	Weapons	Ammunition	Left Limit Deg's, Grid Az	Right Limit Deg's, Grid Az
Engagement 1, OP: 0068 7772	M4, M249/MK46, M302 MK17	5.56mm Blank/Ball/Tracer, 40mm TP 7.62mm (M118 LR)	250 250	300 300
Engagement 2: 0055 7770	M4, M249/MK46, M302 MK17	5.56mm Blank/Ball/Tracer, 40mm TP 7.62mm (M118 LR)	250 250	310 310
Engagement 3: 0053 7769 to 0053 7771	M4, M249/MK46, M302 MK17	5.56mm Blank/Ball/Tracer, 40mm TP 7.62mm (M118 LR)	255 255	310 310

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Engagement 1, OP: 0068 7772	M4, M249/MK46, M302 MK17	5.56mm Blank/Ball/Tracer, 40mm TP 7.62mm (M118 LR)	Target 1 OP (RF3 & RF4) Target 1 OP (RF3 & RF4)
Engagement 2: 0055 7770	M4, M249/MK46, M302 MK17	5.56mm Blank/Ball/Tracer, 40mm TP 7.62mm (M118 LR)	Target 2 & 3 (RF10 & RF11) Target 2 & 3 (RF10 & RF11)
Engagement 3: 0053 7769 to 0053 7771	M4, M249/MK46, M302 MK17	5.56mm Blank/Ball/Tracer, 40mm TP 7.62mm (M118 LR)	Target 4 (RF21-24 & MIT2) Target 4 (RF21-24 & MIT2)



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

REPLY TO
ATTENTION OF
ATZB-SO

16 August 2011

MEMORANDUM FOR Commander, Company B, 3/75th Ranger Regiment, Attn: CPT Pinta,
Fort Benning, GA 31905

SUBJECT: B/3/75th RR Fire Team Maneuver Live Fire (Galloway) Safety Review

1. References.

- a. B/3/75th RR Fire team maneuver Live Fire (Galloway) Safety Review, dated 27 June 2011.
- b. Army Regulation 385-10, The Army Safety Program, 24 August 2007,
- c. Army Regulation 385-63, Range Safety, 19 May 2003
- d. Department of the Army Pamphlet 385-10, Army Safety Program, RAR 19 January 2010
- e. Department of the Army Pamphlet 385-30, Mishap Risk Management, RAR 01 February 2010
- f. Department of the Army Pamphlet 385-63, Range Safety, RAR 12 May 2009
- g. Field Manual 5-19, Composite Risk Management, August 2006
- h. US. Army Special Operations Command 385-1

2. Concur w/comment.

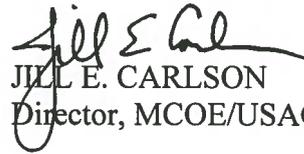
- a. Concept paper. Battalion Commanders must personally walk the terrain and certify each live fire maneuver exercise prior to execution (MCoE Reg. 350-10, paragraph 5-29b).
- b. Concept paper. One member of the command (Commander or 1SG) must be onsite at all times during the conduct of the range (MCoE Reg. 350-10, paragraph 5-29i).
- c. CRMW. Hot Casualty. Initial risk assessed as "MODERATE" should reflect a "HIGH" due to the catastrophic effects of heat injuries.
- d. CRMW. Hot Weather Injuries. Residual risk assessed as "LOW" should reflect a

ATZB-SO

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e. "MODERATE" due to the catastrophic effects of heat injuries.

3. 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@conus.army.mil


JILL E. CARLSON
Director, MCOE/USAG Safety



DEPARTMENT OF THE ARMY
COMPANY B, 3^D BATTALION, 75TH RANGER REGIMENT
FORT BENNING, GA 31905-4625



AORG-TB-CB

27 JUNE 2011

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

SUBJECT: Memorandum of Instruction for Fire Team React to Contact LFX training at Galloway Range.

1. Purpose. This MOI outlines the training plan for Bravo Company, during Fire Team React to Contact LFX training at Galloway Range.
2. References.
 - a. 75th Ranger Regiment Marksmanship RTC 350-10. dtd OCT06
 - b. RTC 350-1 (75th Ranger Regiment Training Circular). dtd OCT2000
 - c. MCOE Regulation 350-19 Range and Terrain
 - d. FM 3-22.9 (Rifle Marksmanship M16/M4 Series Weapons). dtd AUG08
 - e. Soldier Manual and Trainers Guide, Warrior Skills Level 1, STP 7-11B24-SMTG. Dtd AUG04
 - f. The Infantry Rifle Platoon and Squad, FM 3-21.8. dtd MAR07
 - g. Infantry Live Fire Training, TC 7-9. dtd SEP93
 - h. Soldiers Manual of Common Tasks, Warrior Skills Level 1, STP 21-1-SMCT. dtd MAY11
 - i. Soldiers Manual of Common Tasks, Warrior Skills Levels 2,3, and 4 STP 21-24-SMCT. dtd SEP08
 - j. Battalion Commander's Policy Letter #7, Conduct of Maneuver Live Fire, dtd 02MAR09
3. General. B/3/75 will execute team live fire react to contact at Galloway Range IOT prepare teams for squad live fire training and combat operations. Each team will execute blank iterations of the react to contact lane day and night followed by live iterations. The key to this range is the execution of day and night live iterations. The end state is that all teams can react to contact and break contact during day and night operations while acting as part of a squad.
4. Specific.
 - A. Terminal Training Objective(s) / Desired End state: Each fire team is a "T" at react to contact. The team members will be evaluated on coordinated tactical movement, target detection, intra-team communication, and marksmanship. The Team Leader will be a "T" at controlling his team's movement, controlling his team's fires, and sending an ACE report following actions on.
 - a. Individual Tasks:
 - (1) Move as a Member of a Fire Team (071-326-0501)
 - (2) Move under Direct Fire (071-326-0502)
 - (3) Select Temporary Fighting Positions (071-326-0513)
 - (3) Engage Targets with an M249/MK46 Machine Gun (071-010-0006)
 - (4) Engage Targets with an M4 or M4A1 Carbine (071-100-0003)
 - (5) Engage Targets with an M320 Grenade Launcher (071-3112130)
 - (6) Use Visual Signaling Techniques (071-326-0608)

(7) Perform voice communications (113-571-1022)

b. Leader Tasks:

- (1) Control Movement of a Fire Team (071-326-5605)
- (2) Control Organic Fires (071-410-0019)
- (3) Send a Situation Report: SITREP (171-121-4079)

5. Scenario. Squad Leaders will brief the scenario to their team using the attached mission briefing. The purpose of this scenario is to find, fix, and destroy 3 x Taliban two to three man elements, guarding caches and occupying OP's. They are armed with standard Soviet small arms.

B. Condition: Given a Ranger fire team, appropriate equipment, Galloway Range day/night, and existing weather conditions, the fire team is halted or moving. The enemy initiates fires on the team with an individual weapon (simulated by targets rising and a pneumatic gun simulating enemy machine gun fire).

C. Standards:

1. The team returns fire immediately.
2. The team locates and engages the enemy with well-aimed fire and destroys him.
3. The leader can point out all enemy positions.
4. The team conducts and is validated on react to contact from the front and at least one additional direction of travel.

D. Assets Available / Task Organization: Fifteen fire teams will be trained over three days. Five teams per day.

6. Concept of the Operation

PHASE 1 (RESOURCING): This phase will begin with the production of the MOI for the LFX. This phase will include all resourcing, CONOP, MOI and Risk Assessment production, range preparation, rehearsals, and briefings. Leaders will coordinate with range control to plan the maneuver box. The key to this phase is the rehearsal of training by all teams and range validation by the Company Commander. All leaders will conduct a walk through with the Battalion Commander IOT to validate company leaders for training. This phase will end with arrival at Galloway Range 1 day prior to training for Range Prep.

PHASE 2 (RANGE PREPARATION): This phase begins with the arrival of range prep personnel on. This phase will include the placement of all targets and range set up, IAW the CONOP sketch. The purpose of this phase is to ensure that the range is set for the arrival of Rangers for training. Any additional construction or emplacement of barriers to assist in training will be conducted at this time. Critical to this phase is ensuring the range is prepped and ready for use the first day of training.

PHASE 3 (EXECUTION): The range will be opened. Rangers will receive a range orientation and safety brief from the OIC and the RSO. The OIC, RSO, and Range Safety will walk the lane one additional time to check for any hazards and ensure the lane is ready for training. There will be at a minimum 1x Range Safety behind each two man buddy team and the squad leader/ RSO will supervise the entire team to ensure all Rangers stay generally on line, fire within limits, and shoot at the correct targets. Leaders on the range will ensure the team does not engage or move outside of the designated maneuver box. The risk of Rangers shooting outside of the designated zone will be mitigated by the presence of lane safeties, and the requirement for all Range personnel to be present at the walk through with range control to have a complete grasp of the concept and the firing points for each engagement.

React to Contact (Front: DAY BLANK AMMUNITION)

Engagement 1 (vic GA 00687772): The Platoon Leader will give the Squad Leader a tactical scenario. Squad Leaders will then give their fire teams an area clearance mission. Their mission is to move from SP1 (GA 00857771) on a 270 degree azimuth in a fire team wedge in order to confirm or deny the presence of a potential enemy bed down location vic GA 00647772 (OBJ TWINS LAKE) and upon confirmation, kill or capture enemy at that location. The team will depart from a concealed position in the wood line and move on azimuth, maintaining the correct dispersion for the terrain and vegetation, and using hand and arm signals to control movement. Initial movement to first contact (Engagement # 1 **GA 00687772**) will be approximately 220 meters. Once they have moved into enemy's sector of fire; targets will rise, simulating the enemy initiating contact. The team will react to contact to their direct front consisting of a 2 man enemy OP. The left limit is 250 degrees the right limit is **300** degrees. The team leader will direct the fires of his team against known, likely and suspected positions. Due to vegetation and terrain, it may be necessary for the team leader to move his Rangers forward in order to gain adequate fields of fire and place accurate fires on his targets. Once fire superiority is achieved and the team leader has effectively managed rates and distributions of fire within his team the order will be given for that team to assault through the objective, the targets will fall and remain down. This will simulate the enemy having been killed. On the objective a dummy body will be placed on the objective that will require the team to conduct a POW clearance and search. The team leader will send an ACE report, and once complete will receive the order from the squad leader to continue mission on the 270 degree azimuth.

Engagement 2 (vic GA 00557771): At approximately 200m out from the initial contact the team will make contact with a second 2xman OP (Engagement #2 GA 00557771). The left limit is 250 degrees the right limit is 310 degrees. Two targets will rise (Target #2 GA 00547769 and Target #3 GA 00537771) and the team will react to contact to their direct front in the same manner as Engagement #1. Rangers will maintain good sectors of fire and Range Safeties will ensure Rangers have stopped firing within 20m of the engagement. The team will conduct actions on in the same manner as before.

Engagement 3 (Target Set #4 GA 00417771 and MIT-2 GA 00417767): Once the team leader has sent his ACE report for engagement 2, a larger enemy element will appear 120m west (Target Set #4 and MIT-2). The left limit is 255 degrees the right limit is 310 degrees. This element will consist of one moving target and 4 stationary targets for a total of 5 targets. The team will conduct a static engagement from their security positions at Engagement #2. The left limit of their firing line is GA 00537769 and the right limit is GA 00537771. They will not assault through the enemy positions. The open fields of fire will allow for the use of the M320 on enemy positions. Once the team has achieved fire superiority, and all enemy have been engaged and destroyed, trainers will call ENDEX, lock and clear all weapons down range, Range Safeties will inspect, and an AAR will be conducted on location before the team maneuvers back to the start point.

React to Contact (Front: DAY LIVE AMMUNITION)

After completion of the day blank iteration range safeties will check each Ranger to ensure they have no blank ammunition on their kit, person, or magazines. Rangers will be checked to ensure they remove their blank firing adapters. When all Rangers have been checked they will load live ammunition and repeat the lane in the same manner as the blank iteration.

React to Contact (Front: NIGHT BLANK AMMUNITION)

After completion of the day live ammunition iterations range safeties will check each Ranger to ensure they have no live ammunition on their kit, person, or magazines.

SUBJECT: Bravo Company Team React to Contact TM LFX at Galloway Range

Rangers will be checked to ensure they re-attach their blank firing adapters. When all Rangers have been checked they will load blank ammunition. Rangers will then repeat the lane under night conditions.

React to Contact (Front: NIGHT LIVE AMMUNITION)

After completion of the night blank iteration range safeties will check each Ranger to ensure they have no blank ammunition on their kit, person, or magazines. Rangers will be checked to ensure they remove their blank firing adapters. When all Rangers have been checked they will load live ammunition. Rangers will then repeat the lane in the same manner as the night blank iteration.

Leader Focus: Team Leaders will focus on the ability of their Rangers to quickly and accurately engage the enemy upon first contact and to fire and move within buddy teams into positions adequate to place accurate fire on enemy positions. Squad Leaders and Platoon C2 will focus on the Team Leader's control of the rates and distributions of fire, his designation of sectors, and his control of the team throughout the contact.

PHASE 4 (RECOVERY): This phase will begin at the conclusion of training. This phase will include recovery of the range, final after action reviews, recovery, and maintenance of weapons and equipment. The key to this phase is 100% accountability of all equipment and sensitive items. This phase will end NLT COB 01SEP11.

7. Support Requirements.

A. **Classes of Supply:**

- 1) CL I (Chow / Water):
- 2) CL II (Expendables):
- 3) CL III (POL):
- 4) CL IV (Construction Materials):
- 5) CL V (Ammo):
- 6) CL VII (Major End Items):
- 7) CL VIII (Medical): CLS bags internal
- 8) CL IX (Batteries / Repair Parts):
- 9) Other.

B. **Transportation:** Company Bus, LMTV, Platoon HMMWV

- C. **Range Build-Up Plan:** All targets placed by range detail. An ammo NCO will establish an ASP on Galloway range IAC with Fort Benning regulations. Two fire extinguishers will be at the ASP. Immediately after arrival at the ASP, all blank and live ammunition will be segregated. The ASP will be ran and maintained by a designated NCO and all ammo will be signed out from the ammo NCO from each platoon.
- D. **Break Down and Land Clearing Procedures:** Once training is complete each platoon will provide 10 Rangers to support clearing the Range.
- E. **Ammo Supply Point (ASP):** Will be located at GA 01027764. Ammunition will be kept under a GP medium tent and will be separated by live and blank ammunition. A certified ammo handler will be the only one to distribute ammunition. All donage will be consolidated at the ASP.

8. Medical Support Plan. One covered vehicle will remain on the range for the duration of training. The medical vehicles will be located at GA 01027764. 1 EMT is required to conduct live-fire training. The company medic will be the primary caregiver in case of any injuries as a result of fire or IMT. Ground evacuation plan will be a covered vehicle to Martin Army. FM radio will be on B Company frequency and will be manned at all times. In the event of

SUBJECT: Bravo Company Team React to Contact TM LFX at Galloway Range

injury, Rangers will cease fire, call 911, and notify range control as well as higher headquarters.

9. Communications Plan. FM manned at all times, on Range Control freq. OIC carries an ICOM for primary communication with Range Control. Each leader (TL and above) carries MBITR. Individual rangers carry team radios for communication during contact and for consolidation and reorganization.
10. Pre-Training: The following training will be conducted the weeks prior; Fire Team React to Contact class and rehearsal, operation of M4, operation of Mk46, fire commands, and operation of M320: Practical exercises and dry-fire iterations of: Team fire and maneuver, Battle Drill Two, and fire control and distribution. All Rangers zero and qualify on assigned weapon systems for both day and night.
11. Concurrent Training / Tasks
 - 1- Medical training task provide by company medics.
 - 2- Fire Team Fire and Movement
 - 3- SQD Battle Drill Six
12. Safety Plan. IAW 350-1-2 the principles of safe weapons handling will be followed at all times on the range, during both blank and live fires. Rangers must be aware of their buddies' positions in relation to their own while assaulting enemy positions. Any movements left, right or rear and potentially into another Ranger's line of fire, must be clearly communicated and understood before executed. Trainers will stop any unsafe or potentially unsafe act. In the event of any incident on the range, medical or otherwise, Rangers will cease fire and notify range control as well as higher headquarters. Rangers will keep all weapons oriented down range and will only take their weapons off safe when engaging a targets. Range safeties will ensure Rangers fire at only approved targets. Rangers will be cleared on and off the range and will be inspected for blank and live ammunition before and after iterations.
13. POC is CPT Pineda at 545-5397.

RANGERS LEAD THE WAY!



STEPHEN A. PINEDA
CPT, IN
Platoon Leader

Enclosures

1. Time Schedule
2. Risk Management Worksheet

Galloway Range 3/75 Team Maneuver LFX (Log 1-1-14)



B/3/75

Fire Team React to Contact:

Galloway Range

POC: CPT PINEDA

29 AUG- 01 SEP 11

CONCEPT:

PHASE 1 (RESOURCING): This phase will begin with the production of the MOI for the LFX. This phase will include all resourcing, CONOP, MOI and Risk Assessment production, range preparation, rehearsals, and briefings. Leaders will coordinate with range control to plan the maneuver box. The key to this phase is the rehearsal of training by all teams and range validation by the Company Commander. All leaders will conduct a walk through with the Battalion Commander IOT to validate company leaders for training. This phase will end with arrival at Galloway Range 1 day prior to training for Range Prep.

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General: B/3/75 will execute team live fire react to contact at Galloway Range IOT prepare teams for squad life fire training and combat operations. Each team will execute the react to contact lane day and night UTM followed by live iterations in all directions (left, right, front, rear). The key to this range is the execution of day and night live iterations. The end state is that all teams can react to contact and break contact during day and night operations while acting as part of a squad.



RANGE LAY OUT



ENGAGEMENT 3

ENGAGEMENT 2

ENGAGEMENT 1

SP1

ASP

MEDICAL

GVS Global is UNCLASSIFIED//LIMDIS - GVS System is Accredited to Process data up to SECRET//NOFORN

ASP / MEDICAL - GA 01027764

CONCEPT:

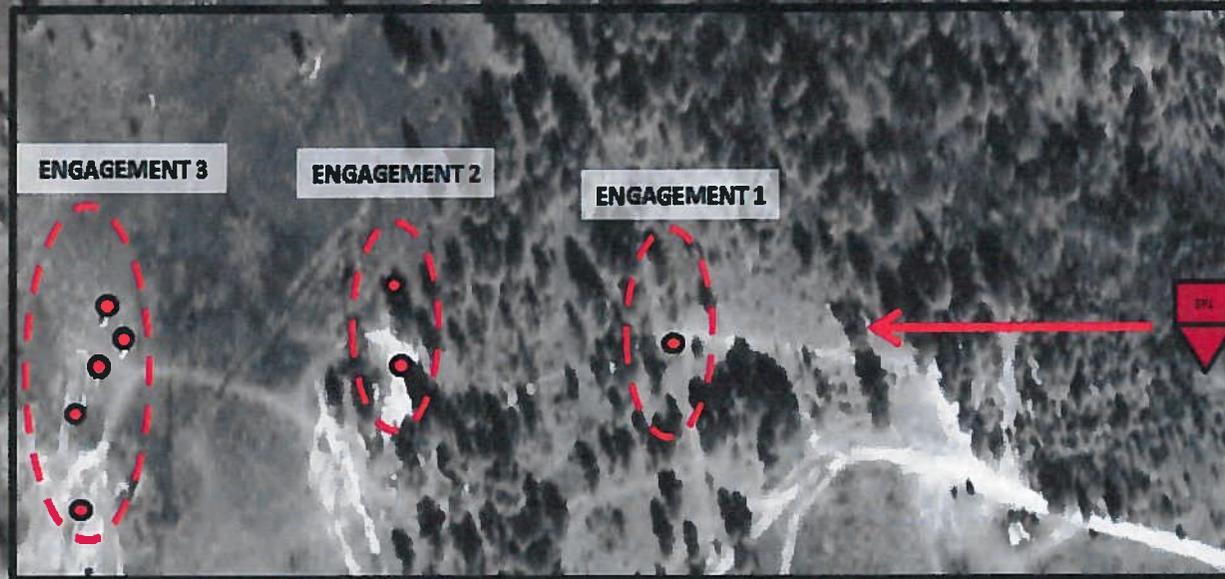
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DAY REACT TO CONTACT (FRONT): Teams will conduct blank iterations of RTC front. The teams will begin at SP1 and move west on a 270 degree azimuth. The team will conduct RTC on Engagement #1 and Engagement #2. Following each engagement the Team Leader will conduct actions on and send an ACE report to the Squad Leader. The team will then conduct Engagement #3 from their security positions in and around Engagement #2. This will be a static engagement with no maneuver since odds will be in the enemy's favor. Once all teams have conducted a successful blank iteration they will conduct a live fire iteration under the same conditions as the blank iteration.

NIGHT REACT TO CONTACT (FRONT): Rangers will complete the RTC lane front under night conditions. The engagements will follow the same pattern as the day iterations and all teams will conduct a successful blank iteration prior to conducting a successful live iteration.

B/3/75 will execute team live fire react to contact at Galloway Range IOT prepare teams for squad live fire training and combat operations. Each team will execute the react to contact lane day and night blank followed by live iterations The key to this range is the execution of day and night live iterations. The end state is that all teams can react to contact and break contact during day and night operations while acting as part of a squad.

SCHEME OF MANUEVER



SP1 (FRONT)	GA 0085077715		
ENGAGEMENT AREA #1 (GA 00687772)	TARGET 1	GA 00647772	
ENGAGEMENT AREA #2 (GA 00557771)	TARGET 2	GA 00547769	
	TARGET 3	GA 00537771	
ENGAGEMENT AREA #3 (GA 00537769 to GA 00537771)			
	TARGET SET #4	GA 00417771	
	MIT-2	GA 00417767	

TASKINGS

Suspense	Task	Element Executing
20JUN11	Produce MOI, RMWS, CONOP	1/B PL
20JUN11	Coordinate Land with BN/FBGA	XO
20JUN11	Coordinate resources for range	XO
TBD (TENATIVE 25 JULY11)	Validate the range with Company Commander	1/B PL
TBD (NLT 19AUG11)	BC Walk through and CONOP brief	All CO Leadership
26AUG11	Range Prep	1/B PL PSG
29AUG/01SEP 11	Deliver Ammo (0700L)	E Co.
29AUG/01SEP 11	Deliver Chow at (1800L)	Supply
01SEP11	Pick Up Ammo (TBD)	E Co

TIMELINE

TIMELINE	MONDAY	TUESDAY	WEDNESDAY
1/B		TM LFX	RECOVERY
2/B	TM LFX	RECOVERY	
3/B			TM LFX

TIMELINE (MICRO)	DAILY
0610	SP TO GALLOWAY
0700	AMMO DROP
0700-0730	RANGE SET UP
0800-1940	TRAINING (DAY ITERATIONS)
1800	CHOW DROP
2000-UTC	TRAINING (NIGHT ITERATIONS)

Galloway Range 3/75 Fire Team RTC (Log #6-26-11) Roadblock 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
A23	983 756	Across Lumpkin Trail 200m E. of Griswold 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

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

Communications: Unit will maintain continuous contact with Range Control at all times. If communications are lost the unit will go into a self induced check fire until communications are restored.

Incident: When an incident occurs on the range, regardless of injury or not, the OIC/RSO will immediately call a cease fire and report it to Range Control and the using unit's higher headquarters. OIC/RSO will take action as directed by Range Control. The cease fire will remain in effect until the problem is resolved and cleared through Range Control. If the incident results in an injury, the OIC/RSO will use the procedures outlined in the medical paragraph. The following information will be furnished by the OIC/RSO to Range Control:

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

Medical: In the event of an accident, injury or illness, the OIC/RSO will immediately call a cease fire then call 911 using the standard 9 Line MEDEVAC to determine what type of evacuation is the most appropriate for the injury (loss of life, limb or eyesight). MEDEVAC will be IAW MCoE Regulation 350-19 and MCoE 40-2. Landing zone for MEDEVAC aircraft will be established prior to use and will be marked appropriately. Range Control will be notified in this event. The cease fire will remain in effect until cleared through Range Control.

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

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

Ammo Point: The ammo point NCO will control the issue and retrieval of all ammunition. All ammunition (blank, live, HE, TP-T, etc...) will be marked and physically separated within the ammo point (or separate ammo points) and signed by the ammo NCO.

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

Signals: Primary means of signaling shift/cease fire will be FM communication. Alternate signal will be colored smoke/star cluster/V5-17. Company Leadership will be with each element to confirm receipt of signals by tactical radios. Emergency cease fire signal will be RED SMOKE/ Air-horn held by the SBF and Assault element's evaluators. All signals will be included in the initial safety briefing. Anyone observing any unsafe act can call for a Cease fire.

Galloway Range 3/75 Team Maneuver LFX Roadblock List (Log 1-1-14) , 17 JAN 2014

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

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

COMPOSITE RISK MANAGEMENT WORKSHEET

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

1. MSN/TASK GALLOWAY TM LFX	2a. DTG BEGIN_ 20140114	2b. DTG END 20150115	3. DATE PREPARED (YYYYMMDD) 20140110
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4. PREPARED BY			
a. LAST NAME LEMARQUAND	b. RANK CPT	c. POSITION PLATOON LEADER	

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?
	Fratricide due to Fire and Maneuver	H	Trainers will validate all LFX scenarios. All Rangers must certify during blank fire under the same conditions and the LFX before being allowed to conduct the LFX.	M	Leader validation. Blank iterations. Leader supervision.	ALL LEADERS/ OIC/ RSO/ RANGE SAFETIES	
	Negligent Discharge	M	Weapons awareness will be emphasized during the range safety brief. Weapons will be placed on safe when not engaging targets.	L	Safety brief and leader involvement	ALL LEADERS/ OIC/ RSO/ RANGE SAFETIES	
	Ricochet	M	The range will be checked for ricochet hazards before training and Rangers will be briefed on hazards.	L	Leader walk through	OIC/ RSO/ RANGE SAFETIES	3
	Mixing of Live and Blank Ammunition	M	All ammo will be checked, to ensure no mixing of blank and live ammo. Ammo NCO will sign for all ammunition and keep blank and live separate at the field ASP.	L	Leader involvement	ALL LEADERS	
	Heat Casualty	M	Rangers will hydrate before, during, and after training as well as eat all meals. Leaders and buddies will monitor for symptoms of weather injuries.	L	Leader involvement/safety brief	ALL LEADERS	
	Severe Weather (Storms, Lightning, Tornadoes)	M	Leaders will monitor range nets for storm warnings.	L	OIC/RSO	OIC/RSO	

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 ELLIS	b. RANK LTC	c. DUTY POSITION BATTALION COMMANDER	d. SIGNATURE

ITEMS 5 THROUGH 12 CONTINUED:

5. SUBTASK	6. HAZARDS	7. INITIAL RISK LEVEL	8. CONTROLS	9. RESIDUAL RISK LEVEL	10. HOW TO IMPLEMENT	11. HOW TO SUPERVISE (WHO)	12. WAS CONTROL EFFECTIVE?
	Hearing Loss	M	Peltors will be used by all Rangers	L	PCI/PCC	ALL LEADERS	
	Eye injuries	M	Rangers will wear approved Eye Protection	L	PCI/PCC	ALL LEADERS	
	Bodily Injury (Cut or Fall)	M	Rangers will receive safety brief about terrain. Leaders will identify any hazards on the lane. Rangers will be familiar with all equipment before executing training.	L	Leader Involvement/Safety Safety Brief	ALL LEADERS	
	Injury due to limited visibility	M	All Rangers will use NVG's and IR Lasers during night operations and be familiar with their use. All lasers will be zeroed by each Ranger before conducting the lane.	L	Leader Involvement/Safety Brief	ALL LEADERS	
	Shooting outside the range limits	M	All Rangers will be properly briefed on the range limits, and range safeties as well as leaders will monitor fires to ensure no Ranger fires outside the limits.	L	Leader Involvement/Safety Brief/ Supervision on the lane	ALL LEADERS	



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, Gamsey, 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

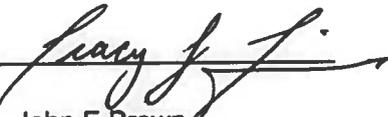
Hazardous Materials/Waste

Conditions:

Carlos Ariasochoa (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



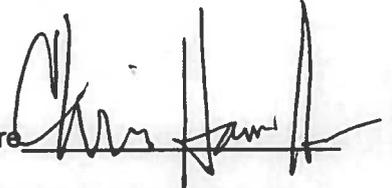
for John E Brown

NEPA Program Manager

Date

25 NOV 2013

Signature

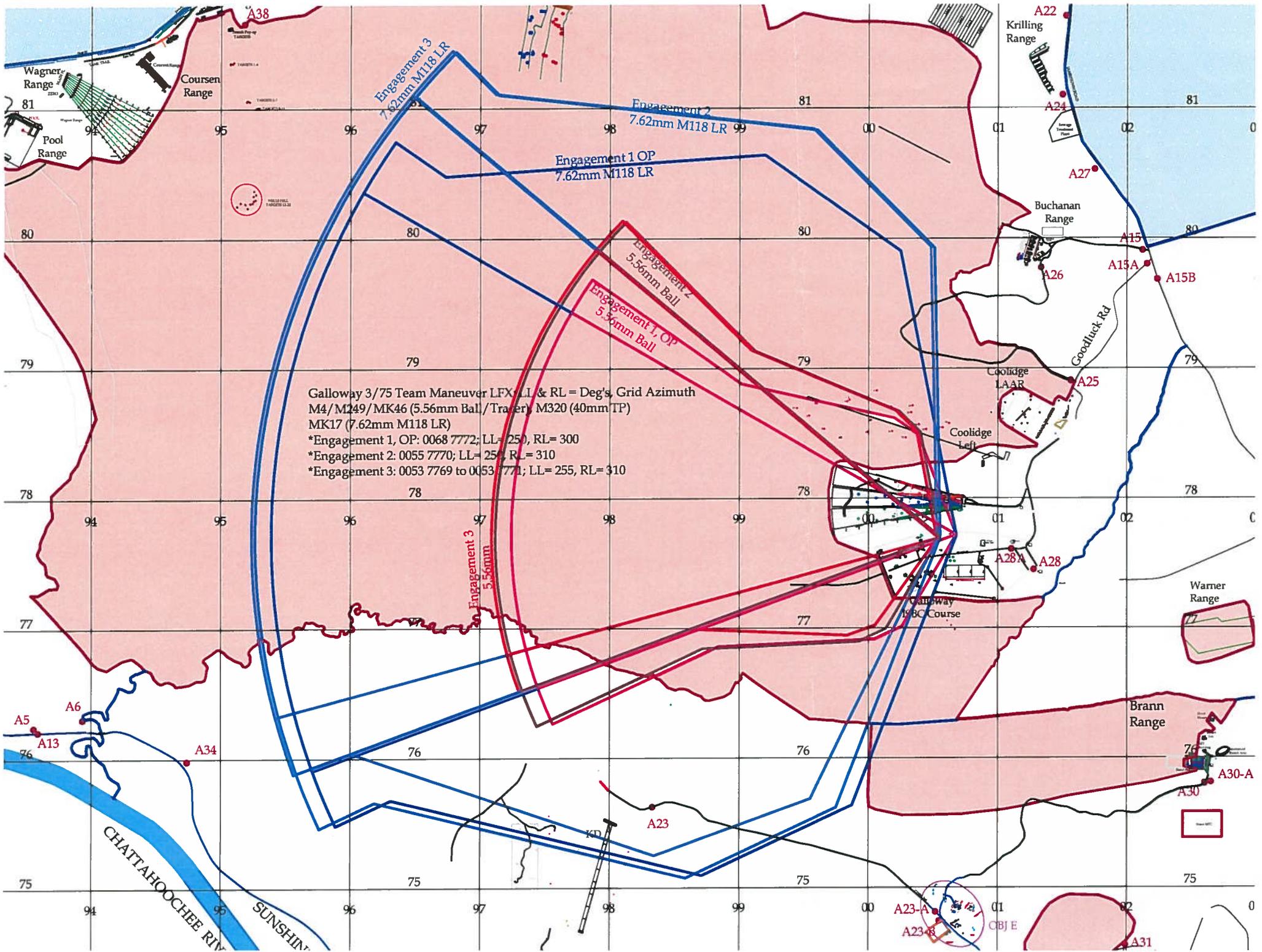


Christopher E. Hamilton, PhD

EPMB Chief

Date

25 Nov 13



Galloway 3/75 Team Maneuver LFX, LI & RL = Deg's, Grid Azimuth
 M4/M249/MK46 (5.56mm Ball/Tracer), M320 (40mm TP)
 MK17 (7.62mm M118 LR)
 *Engagement 1, OP: 0068 7772; LL= 250, RL= 300
 *Engagement 2: 0055 7770; LL= 250, RL= 310
 *Engagement 3: 0053 7769 to 0053 7771; LL= 255, RL= 310

Engagement 3
 7.62mm M118 LR

Engagement 2
 7.62mm M118 LR

Engagement 1 OP
 7.62mm M118 LR

Engagement 2
 5.56mm Ball

Engagement 1, OP
 5.56mm Ball

Engagement 3
 5.56mm

CHATTAHOOCHEE RIV
 SUNSHINE

A23-A
 A23-B

CBJ E

A31