

FIRING/NONFIRING DATA

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

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

Date: 01 May 2013 Log #1-23-13
Range: Red Cloud
Title: SBF LFX W/ US Weapons and Mortar Familiarization
Problem No:

THRU: S3, 2-11 IN
Fort Benning, GA. 31905

FROM: A Co, 2-11 IN (IBOLC)
Fort Benning, GA. 31905

SECTION I, TYPE OF TRAINING

a. Live Fire b. Non-live Fire CP/Controller Coordinates: FA 9486 8178

SECTION II, DEMOLITIONS/GRENADES/MINES/PYROTECHNICS

Coordinates	Type	Model/DODAC	Size of Charges
N/A	N/A	N/A	N/A

SECTION III, WEAPONS/AMMUNITION REQUESTED

Coordinates of Weapons Position	Type Weapon/Model Number	Type Ammunition	Left Limit	Right Limit
See Weapons & Ammo List	See Weapons & Ammo List	See Weapons & Ammo List	See Weapons & Ammo List	See Weapons & Ammo List

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: GALLAGHER, JAMES D., CPT, IN, Commanding	Name/rank of Major Unit S3/Commander: STROH, SEAN, CPT, IN, BN S3 CPT, IN, BN S3 <i>CHRISTOPHER L. MERCADO</i>

SECTION VI, FOR RANGE DIVISION USE

DATE: 4 June 13

TO: S3, 2-11 IN
Fort Benning, GA. 31905

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

a. Roadblocks to be closed: A: 8, 23, 33A, 34, 38, 39.

b. Road(s) to be closed/road barrier locations:

c. Remarks:

d. This approval expires: **Indef**

Chief, Range Division
Directorate of Plans, Training, Mobilization and Security

B. S. T...

ARTILLERY/MORTAR SAFETY RECORD

For use of this form, see USAIC Regulation 350-19; the proponent is DPTMS, Range Division.

DATE:	01 May 2013	UNIT:	A Co, 2-11 IN (IBOLC) Fort Benning, GA. 31905	TITLE:	SBF LFX W/ US Weapons and Mortar Familiarization Log #1-23-13
FIRING POINT #:	BP 3/4		WEAPONS:	81 mm Mortars	
COORDINATES:	FA 9486 8171				

Weapon Projectile	Left Limit Mils	Right Limit Mils	Minimum Range Meters	Maximum Range Meters	Minimum Charge	Maximum Charge	Maximum Ordnance Meter
HE M374 & A2 WP M375 & A2	2850	3045	950	2000	1	6	1832
HE M374A3	2850	3045	950	2000	1	2	1400
HE M821	2850	3045	950	2000	1	2	1760
HE M889	2850	3045	950	2000	1	2	1731
HE M821A1 & A2 HE M889A1E1	2850	3045	950	2000	1	2	1752
HE M889A1	2850	3045	950	2000	1	2	1747
ILL M301A3	2850	3045	950	2000	3	7	1764
RP M819	2850	3045	950	2000	1	2	1476
ILL M853A1	2850	3045	950	2000	1	2	1761
IR ILL M816	2850	3045	950	2000	2	2	1783

SPECIAL INSTRUCTIONS: This FB Form 350-19-2-E-R must accompany the corresponding FB Form 350-19-1-E-R.
 Targets = 12-22 (Wells Hill).
 The right & left limits of fire listed above are grid azimuth.

Name/rank of requesting officer GALLAGHER, JAMES D., CPT, IN, Commanding	
Chief, Range Division Directorate of Plans, Training, Mobilization and Security	<i>James D. Gallagher</i> 4 Jun 2013

Red Cloud 2/11 IN SBF LFX W/ US Weapons & Mortar Familiarization Weapons & Ammunition List, Log #1-23-13

Firing Positions	Weapon/Model #	Type Ammunition	Left Limit of Fire	Right Limit of Fire
BP 3/4: FA 9486 8171	81mm Mortar	HE, WP, RP, ILL, IR ILL	2850 (Mils, Grid Az)	3045 (Mils, Grid Az)
SBF 1: FA 9488 8171	M2 MK19	.50 cal Ball/Tracer 40mm TP	145 (Deg's, Grid Az) 145 (Deg's, Grid Az)	155 (Deg's, Grid Az) 155 (Deg's, Grid Az)
SBF 2: FA 9494 8172	M4, M249 M240 M203	5.56mm Ball/Tracer 7.62mm Ball/Tracer 40mm TP	125 (Deg's, Grid Az) 125 (Deg's, Grid Az) 150 (Deg's, Grid Az)	165 (Deg's, Grid Az) 165 (Deg's, Grid Az) 165 (Deg's, Grid Az)

Firing Positions	Weapon/Model #	Type Ammunition	Targets
BP 3/4: FA 9486 8171	81mm Mortar	HE, WP, RP, ILL, IR ILL	#12 - #22 (Wells Hill).
SBF 1: FA 9488 8171	M2 MK19	.50 cal Ball/Tracer 40mm TP	#1 - #11.
SBF 2: FA 9494 8172	M4, M249 M240 M203	5.56mm Ball/Tracer 7.62mm Ball/Tracer 40mm TP	#1 - #11 & Pop-up at 175m. #1 - #11 & Pop-up at 175m. #1 - #4.

NOTE: The M203 at SBF #2 cannot engage the pop-up targets located at 175m downrange. All un-used mortar charges will be disposed of IAW MCoE Regulation 350-19.



DEPARTMENT OF THE ARMY
ALPHA COMPANY, 2ND BATTALION, 11TH INFANTRY REGIMENT
6679 VIBBERTT AVENUE
FORT BENNING, GEORGIA 31905

REPLY TO
ATTENTION OF

ATSH-TPB-A (310)

21 May 2013

MEMORANDUM FOR Chief, Range Division, Fort Benning, GA 31905

SUBJECT: Red Cloud Range Support by Fire LFX Concept

1. **COMMANDER'S INTENT:** IBOLC students assigned as a weapons squad and weapons squad leaders will conduct support by fire live fire training to include firing an accurate initial burst, adjust fire, traverse and search, operate as part of a larger support by fire element, shift and lift fire, occupy a deliberate support by fire position, engage targets with assigned weapon systems. Leaders will further coordinate with a heavy weapon and mortar section which will engage pre-determined targets with M2, Mk19 and 81mm mortars.

2. **CONCEPT OF OPERATION:** 2-11 IN conducts Crew Served Weapons Proficiency, US Weapons and Mortar Familiarization Training in accordance with FM23-6 (M2), FM3-22.68 (M240B, M249), FM 3-22.27 (Mk-19), FM 3-22.31 (M203), FM 3-22.90 (Mortars) and the FB Form 350-19-1-E-R. All firing will be done along the main firing line per the scheme of maneuver with weapons mounted on tripods or M249 bipod and M203, M4 and 81mm Mortars.

3. **PURPOSE/ TRAINING OBJECTIVES:** 2-11 requires the above training to fulfill a complete range of familiarization and operational training in accordance with wartime requirements.

a. Students will be familiarized with the proper operation and capabilities of M2 and Mk-19 through training in the following fundamental skills: preparation of positions, manipulation of T&E, range determination, and sighting and aiming. Once trained on fundamentals, students will learn the basics of loading, zeroing and engaging of single and multiple targets from the tripod culminating in a SBF live fire familiarization at stationary targets at ranges between 400 and 850m. SBF 1 will be located IVO FA 9488 8171 and will only engage targets #1 - #11.

b. Students will be familiarized with the 81mm mortar systems in accordance with FM 3-22.90. Once trained in the proper operation of the respective mortar system, students will conduct a live familiarization fire by engaging stationary targets at ranges between 1000m-1500m. The mortar firing position will be located at BP 3/ 4 IVO FA 9486 8171 and will only engage targets #12 - #22 (Wells Hill). This familiarization fire will occur concurrently with SBF LFX.

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c. Students will be trained to proficiency on the proper establishment of a support by fire position, destroy enemy targets at a range of 175-850m to support a notional maneuver element by using fire control measures and shift and lift fire procedures, and to displace from the support by fire position. SBF 2 will be established IVO FA 9494 8172 and will engage targets #1 - #11 and Pop-Up Targets at 175m (M203 will not engage the Pop-Up Targets).

4. ENDSTATE: 2-11 IN has the ability to conduct training so that 100% of soldiers are familiarized with US Weapons systems and proficient in weapons squad battle drills, specifically:

a. TLO 1: Weapons squads are proficient at occupying a support by fire position, utilizing fire commands and fire control measures to effectively engage enemy targets at ranges up to 850m in support of a notional maneuver element to include shift fire and lift fire commands.

b. TLO 2 All students are familiarized with M240, M249, M2, Mk19, M203 and 81mm Mortar system, able to safely operate those weapon systems and all equipment and personnel accounted for at the completion of the range.

5. Scenario to be conducted:

a. Phase I: The unit will occupy Red Cloud Range and establish communications with range control and open the range by emplacing the following control measures, medical support, and safety brief.

b. Phase II: Training begins IAW the approved FB Form 350-1-E-R

c. Phase III: The recovery phase will consist of recovery of all equipment, personnel, clean-up, AAR, and closure with Range Control.

6. SAFETY/ REMARKS:

a. Uniform: as per Unit SOP

b. Ammunition will be stored at the ammunition holding area off the firing line.

c. Combat life saver will be on site at all times with a dedicated vehicle.

d. Range Book, tracking map, markers, and communications equipment will be present at all times.

e. All soldiers and cadre will wear hearing protection.

f. Weapons will be cleared and visually inspected on and off the firing line.

g. Weapons will be oriented down range while on the firing line.

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- h. Weapons will be on safe when not engaging targets.
- i. Signal to fire will be verbal or bullhorn.
- j. During firing on the range, anyone observing an unsafe act can call a ceasefire by using hand and arm signals and/or a vocal command of cease fire.
- k. All mortar misfires will be IAW current procedures.
- l. All unused ammo will be turned in to the ammo holding area.
- m. No one is allowed down range of the firing line.
- n. Mortars are fired from BP3/4 at Targets #12 - #22 on Wells Hill. M2 and Mk-19 are fired from SBF1 at targets #1 - #11. M4, M249, M240 are fired from SBF2 at pop-up targets and targets #1-11 (M203 targets are #1- #4). Targets for use are shown in enclosure.
- o. Ammunition will be stored at the ammunition point and separated by type. The issue of ammunition and turnin of un-used ammunition will be under the supervision of the ammo NCO.
- p. Weapons will not be loaded until at the firing positions and only after the order to do so is given.
- q. All weapons will be confirmed cleared by the RSO before be removed from the firing positions.

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

a. Incident Reporting: 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 using the 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:

- i. Unit Designation
- ii. Range and location
- iii. Type of weapon involved
- iv. Type of ammunition involved

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- v. Brief summary of what happened
- vi. Personnel injuries and extent
- vii. Full name, SS#, Rank and unit of injured personnel
- viii. Extent of property damage
- ix. Intentions regarding an AR-15-6 investigation

8. 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 USAIC 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 the effect until cleared through Range Control.

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

10. 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 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.

11. MEDEVAC INFORMATION REQUIRED

a. Initial Call Includes

- i. Location (8 digit grid)
- ii. ID of requestor (2-11 IN)
- iii. Number of Patients
- iv. Special Equipment Needed
- v. Type of Patients (ambulatory/litter)
- vi. Description of Injuries
- vii. Follow-up

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viii. Landing Zone Marking (VS-17 Panel/ Red Smoke Signal)

ix. Nationality/ Status of Patient (U.S. Military, U.S. Civilian, U.S. Allied
Military)

12. Point of Contact for this action is the undersigned at 545-5504


JAMES D. GALLAGHER
CPT, IN
Commanding

CONCEPT (DAY/ NIGHT)

Mortar Section establishes position at 81mm Mortar Firing Position at BP3/4, Heavy Weapons section (M2, Mk-19) establishes firing point at SBF Position 1 and Weapons Squad establishes a deliberate Support by Fire at SBF Position 2. O/O, SBF 2 engages Light Armored Vehicle Targets from 400-850m with direct fires, US Weapons at SBF 1 engage targets from 400-850m with direct fires and Mortars engage targets at 1000-1500m with indirect fires. SBF 2 will then shift fire to engage enemy patrol at 175m (Pop-Up targets) while Heavy Weapons and Mortars cease fire IOT allow notional assault force freedom of maneuver upon enemy patrol. When element has been destroyed, SBF 2 element will displace and continue exfil to the planned AA (IVO FA 9501 8176), prior to displacement they will clear weapons and move to recovery area for AAR. Heavy Weapons and Mortar section will prepare for next iteration.

Night iterations will occur exactly as above WITHOUT Heavy Weapons and will consist of M240B, M249, M4, M203 and mortar support.

SBF Position 2 : M203 M4, M249, M240B

Vic. FA 9494 8172

Targets 1-4 (400m), 5-11 (700-850m)

Pop-Up Targets (175m)

M203 Targets 1-4 only

SBF Position 1: M2, Mk19

Vic. FA 9488 8171

Targets 1-11 (400m-850m)

Firing Line

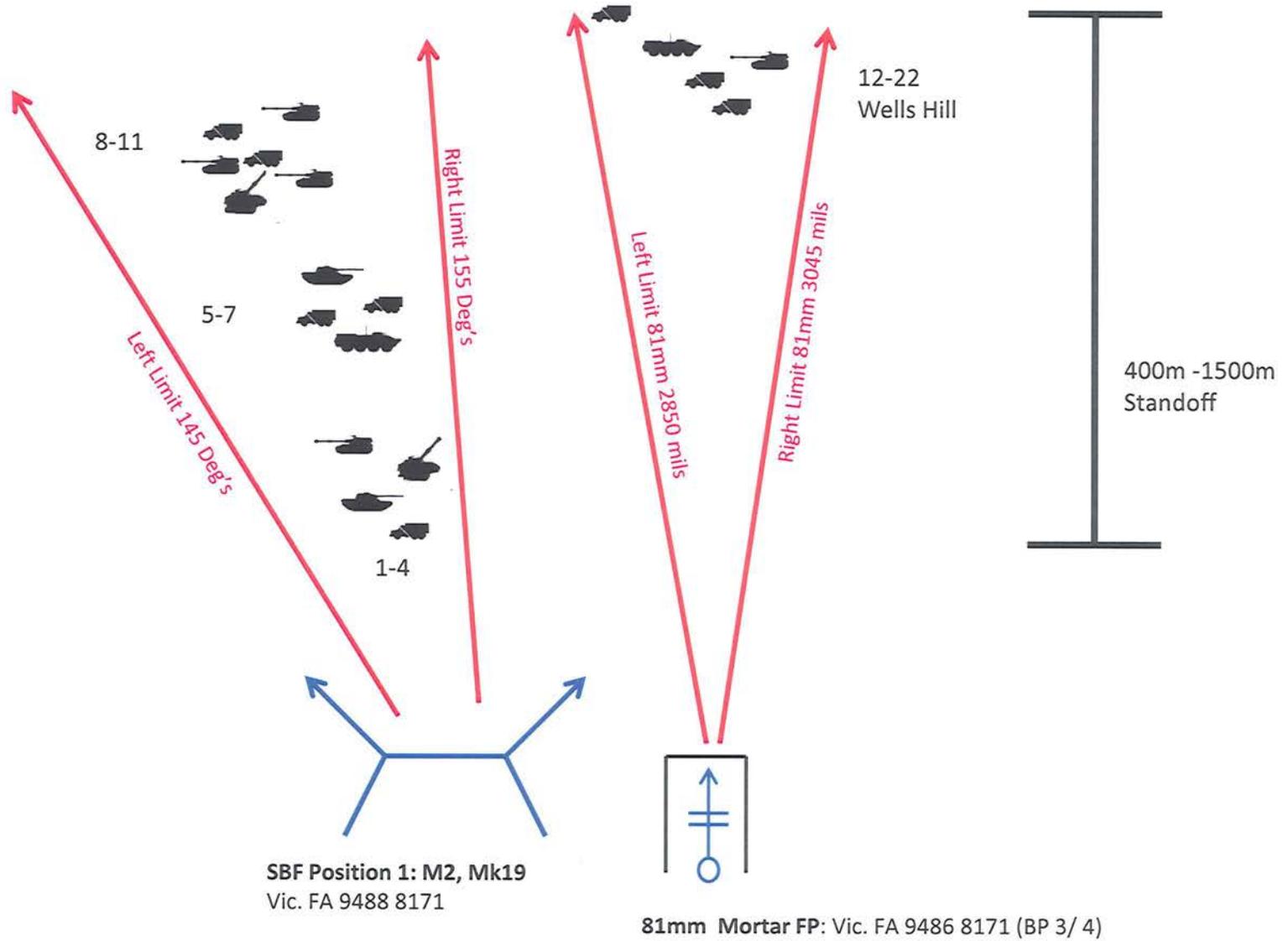


81mm Mortar Firing Point:

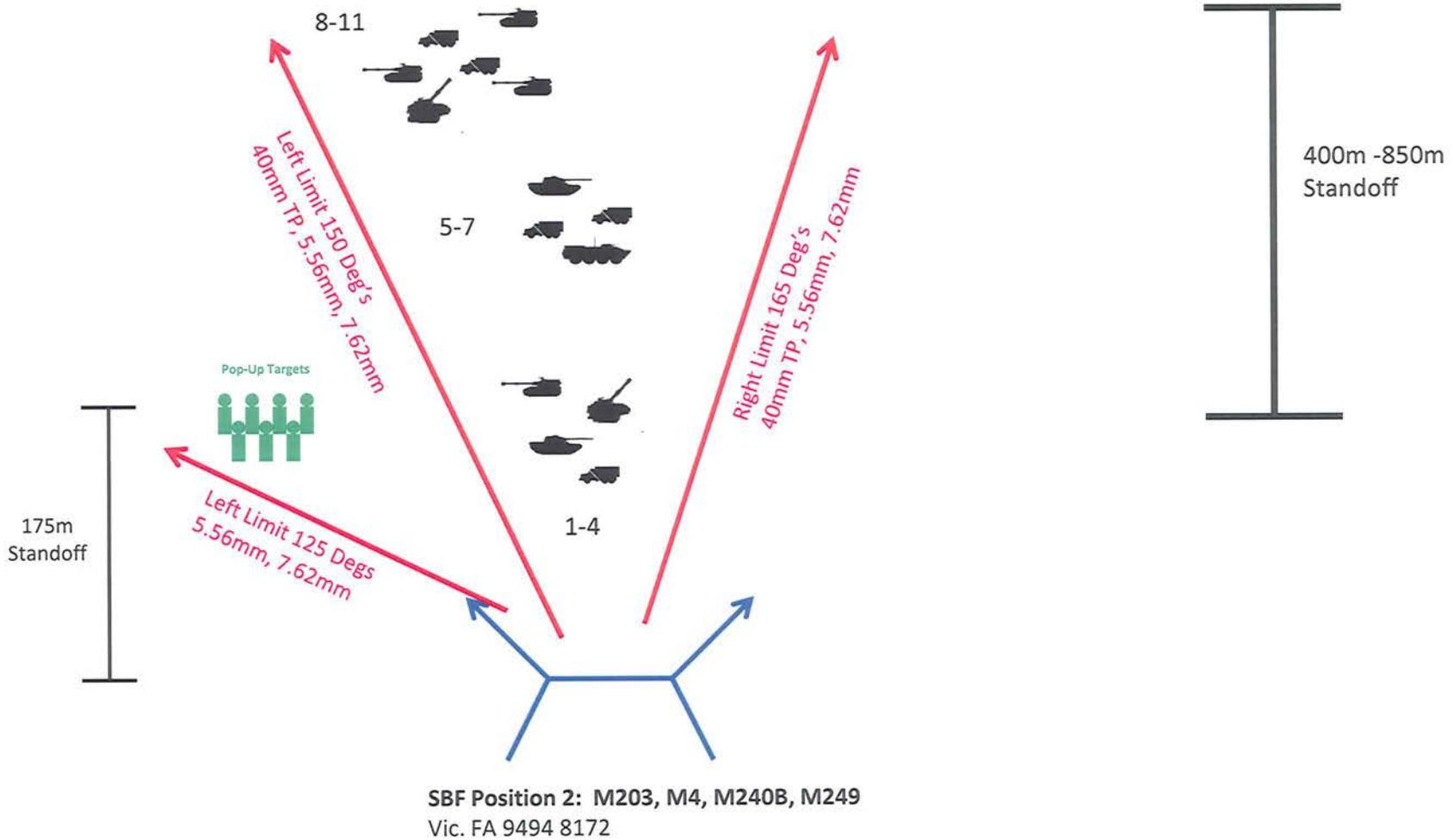
Vic. FA 9486 8171 (BP 3/ 4)

Targets 12-22 (1000m-1500m)

Heavy Weapons and Mortar Engagement Areas: Stationary Light Armor Vehicles



SBF2 Engagement/ Enemy SQD Counter-Attack









Parking

Range Office

Bleachers

BP 3/4
Mortar Firing Position

SBF Position 2
Support by Fire

SBF Position 1
Heavy Weapons



Trench Pop-up
TARGETS

TARGETS 1-4

TARGETS 5-7

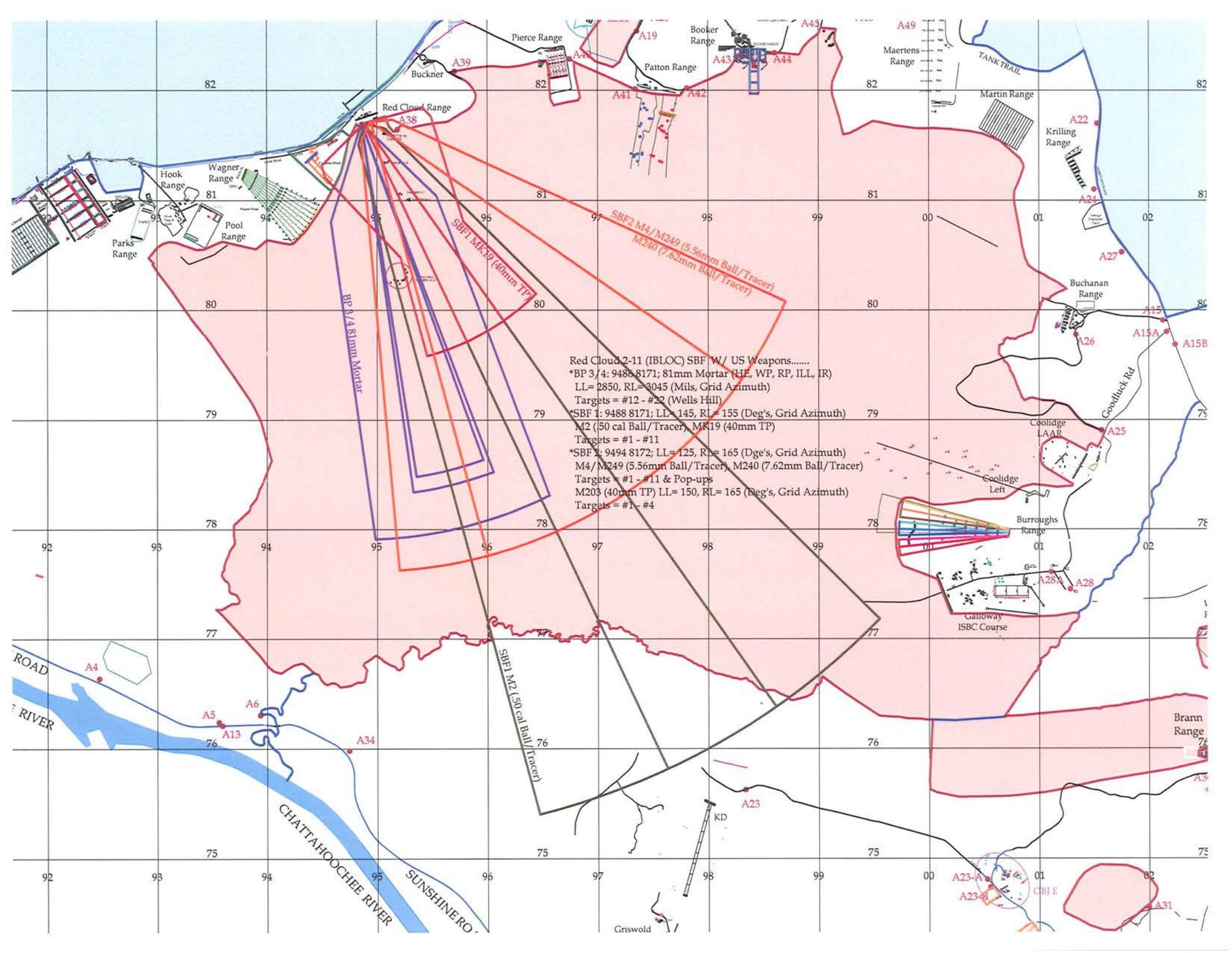
TARGETS 8-11

WELLS HILL
TARGETS 12-22

Red Cloud 2/11 IN IBLOC SBF (Log #1-23-13) Roablock List , 12 JAN 2012

BLOCK	GRID	LOCATION	TYPE
A-1	FA 911 792	Across firebreak 200m down Fiske Range at right end of KD berm. Permanently closed.	Cable
A-2	FA 910 783	Off Sightseeing Rd on unnamed trail opposite of entrance to LRC.	Gate
A-4	FA 925 766	Off Sunshine Rd 1,200 m W. of entrance to Grandstaff range.	Gate
A-5	FA 936 762	Across entrance road to Grandstaff Range. 10m N. of Sunshine Rd.	Gate
A-6	FA 939 763	Off Sunshine Rd 100m W. of Oswichee Creek. Permanently closed.	Cable/ Berm
A-8	FA 968 740	Across unnamed trail 30m N. of Sunshine Rd 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 Rd.	Gate
A-11	GA 019 731	Across Lumpkin Trail 30m N. of its intersection with Sunshine Rd.	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 Rd 50m W. of its intersection with Jamestown Rd.	Gate
A-12A	GA 029 744	Across Garnsey Rd 400m W. of A-12 Roadblock.	Gate
A-12B	GA 028 741	Across trail 150m SW of A-12A Roadblock. 50m W. of Range Bldg.	Gate
A-12C	GA 036 746	Road guard position # 3 for Garnsey Rng Objective 'E' (Jamestown at Lightning Rd)	Road Guard #3
A-13	FA 936 762	Across Sunshine Rd 10m E. of the entrance to Grandstaff Range (Road guard location).	Gate
A-14	FA 974 733	Across Sunshine Rd 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	Gate Across Good Luck Rd	Gate
A-15B	GA 022 796	Road guard position # 1 for Garnsey Rng Objective 'E' (Jamestown road SW corner of Engineer building)	Road Guard # 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 road to Dianda Range. 300m S. its intersection with 1st Div Rd.	Gate
A-22	GA 015 817	Across unnamed trail 50m N. of Brinson Range and 10m off Jamestown Rd.	Gate
A23	FA 983 756	Across Lumpkin Trail 200m E. of Griswold Range	Gate
A-23A	GA 005 748	On Lumpkin trail 50m NW of Objective 'E' on Garnsey Range.	Gate
A-23B	GA 005 747	Adjacent to A-23A gate on trail near intersection of Lumpkin trail	Install Gate
A-24	GA 015 811	10m inside entrance gate of Brinson Rng south of entrance road.	Gate
A-25	GA 016 789	Across fire break 10m W. of its intersection with Good Luck Rd.	Gate
A-26	GA 013 798	On L/S of Buchanan Range 50 meters W. of chow area across entrance to fire break.	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 off Yankee road on south side of Galloway range.	Gate
A-28A	GA 011 776	30 meters south of Range Tower	Gate
A-30	GA 026 758	Across fire break leading to Garnsey Range. 140m SW 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 to Griswold Range.	Gate
A-33A	FA 979 739	150 meters west of Target Systems bldg on trail leading to move to contact site	Gate
A-33B	FA 982 739	20m N of Target Sys bldg on trail running on west side of bldg.	Install 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 300m down range of firing line on Red Cloud Range on L. side of range.	Cable
A-39	FA 956 822	Across unnamed trail 100m S. of bldgs on Buckner Range on L. side of range	Cable
A-40	FA 967 823	Across fire break 50m down range on the left side of Pierce Range.	Gate
A-41	FA 972 820	Across fire break located on the right side 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 on the right side of the firing line on Duke Range.	Gate
A-45A	FA 991 829	Across Booker Breach site entrance road 200m past Duke Rng entrance gate	Gate
A-46	FA 984 832	Across unnamed trail 100m 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





RECORD OF ENVIRONMENTAL CONSIDERATION (REC)



Date Submitted: 1/30/2013

EMD Number: 1303202

Project#: 071T6642

Project Title: Support by Fire Live Fire Exercise

Description of proposed action:

IBOLC students assigned as a weapons squad and weapons squad leaders will conduct support by fire live fire training to include firing an accurate initial burst, adjust fire, traverse and search, operate as part of a larger support by fire element, shift and lift fire, occupy a deliberate support by fire position, engage targets with assigned weapon systems. Leaders will further coordinate with a heavy weapon and mortar section which will engage pre-determined targets with M2, Mk19 and 60mm/81mm mortars.

Project Location:

Red Cloud Range

Amount, Description, Location of Disturbance/Digging:

None

Number of Personnel:

160-200

Type of Ammunition:

5.56, 7.62 Live and
Blank

Number/Types of Trees:

None

Size of Project Area:

Duration of Action: Start: 2/13/2013

Stop: 9/30/2013

Proponent: rhonda.doleman

706-545-5916

Organization/Unit: BOLC-B/ 2-11

Number/Types of Vehicles:

Number of vehicles:4-6
Types of vehicles:GSA, M149A1
No-Vehicles will be going off road.

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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."

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REC APPROVED THROUGH 30 SEPTEMBER, 2013

Noise

Conditions:

Ellis Leeder (706 545 2400), 2/1/2013

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

Natural Resources - RCW

None

Michael Barron (706 544 7080), 2/1/2013

EMD Number: 1303202

IJO#

Project Title: Support by Fire Live Fire Exercise

CWA - Training

Conditions:

Leah Ropski (706 626 0492), 2/1/2013

Environmental Review: Caution within training areas and motor pools should be taken to protect all nearby waterways (including perennial, intermittent streams and wetlands); as well as ground surfaces and any other sensitive areas in the vicinity of the training areas. Potential spills/releases from this activity that may occur before and/or during the FTX include: 1. Discharge and/or improperly disposal of oil or hazardous substances into or upon land, water, or into ground water areas from storage, handling and/or transportation of hazardous materials/waste; 2. Vehicle/equipment/generators leaks; 3. Fuel loading/unloading/refueling operations; 4. Field mess facilities/equipment/operations, and/or 5. Ammunitions /explosives (as applicable, before and/or during the FTX).

General SPCC Requirements: Ensure all hazardous materials are properly storage to prevent spill/discharges, to meet safety requirements for storage, and that containers are not exposed to the weather. Have adequate spill response supplies available during exercise for any spills that may likely occur. Use drip pans under vehicles and provide secondary containment for any fueling activities and hazardous material/waste storage. Locate all refueling operations and storage of hazardous materials/waste away from waterways and sensitive areas. See attached section on prevention procedures and CHECKlist (Example Unit/Activity SOP for Training and Deployment) to be used during training exercise to comply with SPCC plan requirements. Ensure all wastewater from field mess equipment/operations particularly those involving oil/grease are collected and dispose properly. Do not discharge any wastewater into storm drains or dispose of oil/grease waste directly into land.

General ISCP Requirements: In the event of a spill/discharge -- notify Range Control by radio or call 544-6291, and they will notify E-911 for Fire Department/HAZMAT Team assistance and/or notification of the EMD office (Spill Beeper 706-317-6584). As appropriate, and if personnel are trained -- REACT to minimize spill damages. Submit a spill report to the EPMB Spill Program Manager (use Spill Response Report attached). All spills reaching navigable water must be reported immediately. The unit is responsible for the final cleanup of any spill during this exercise. Coordination with this office is required for clearance of the site.

For environmental considerations to protect water quality; all food service facilities and waste collection areas (including Porta-Pottys) must be located away from any water wells, state waters, and waterways (including drainage ditches) in the vicinity of the training area. Recommended distance of approximately 100 (30 meters) from any water source. For this particular training activity located at the Red Cloud Range Training Area there is drainage to, but not limited to, unnamed tributaries and Gilbert Creek. No wastewaters should be discharged into waterways. No food, grease, garbage, human waste is to be left on site. All fats/oil/grease and/or solid waste must be collected and dispose off properly. Failure to follow these guidance could cause the site to be close for future use. Recommend use and implementation of FM 4-25.12 (FM 21-10-1) Unit Field Sanitation Team preventive medicine measures when establishing field food service facilities and other waste facilities. To include but not limited to Chapter 2, Section IV: Waste Disposal; Appendix A Lesson 6: Waste Disposal in the Field; Appendix B - Figures B-25, B-26, B-27, B-28. Unit to submit POC in charge of monitoring these activities. For additional specific guidance on field sanitation requirements - contact Fort Benning Preventive Medicine POC: Lt Sanchez-Perez at 706 545 1446 or SGT Montoya at 706 545 1445.

Hazardous Materials/Waste

Conditions:

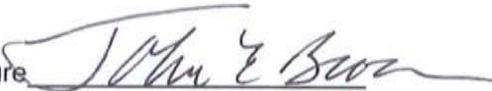
Ted Williams (706 545 7579), 2/1/2013

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 Protection Management Branch. Contact POC for additional guidance for proper waste management.

Signature



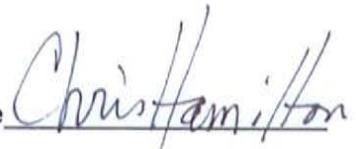
John E Brown

NEPA Program Manager

Date

1 FEB 2013

Signature



Christopher E. Hamilton, PhD

EPMB Chief

Date

4 Feb 13

Example Unit/Activity SOP for Training and Deployment

Introduction

This SOP is divided into two main sections: PREVENTION & RESPONSE. The following sections will assist you in planning your environmental activities while bedding down, initiating, sustaining and conducting field exercises, and/or during deployment. Before you deploy, ensure you are familiar with the following:

What Are Hazardous Materials and Hazardous Wastes

Hazardous Materials are defined as any material that may be a health or physical hazard, or any material that, based on either chemical or physical characteristics, is capable of posing a risk to human health or the environment if improperly disposed of, handled, stored, or transported. Chemical and physical characteristics that may pose a risk to human health or the environment include, but not limited to, one of the following characteristics: Ignitable; Corrosive; Reactive and/or Toxic.

Hazardous Waste: is defined as any discarded material (solid, liquid or gas) that:

1. Has no further value and cannot be reused or recycled;
2. Is harmful to human health or the environment due to its quantity, concentration, biological, chemical or physical characteristics; and/or
3. Exhibits one or more of the characteristics as described for Hazardous Material.

Contaminated or unusable fuel is a typical hazardous material/hazardous waste common to training and deployment operations and should be handled, stored, and disposed of properly.

Ten of the most common hazardous materials/hazardous wastes that you will encounter during training and or deployment operations include:

- Fuel
- Engine Oil
- Bleach or DS-2
- Solvent
- Anti-Freeze
- Transmission Fluid
- Used Oil Filters or Batteries
- Empty POL Containers
- Brake Fluid
- Grease.

These materials should be handled, stored and disposed of properly.

SPILL KITS: Spill kits should be maintained in and around all locations where hazardous materials/hazardous wastes are stored, handled, or disposed. Various types of kits may be ordered through the U.S. Army Supply System and include: rubber gloves, safety goggles, putty, rubber mallet, wooden plugs, absorbent booms, absorbent pads, plastic bags, and in some cases, a disposal barrel.

SPILL PREPARATION: Despite the best prevention, you may run into difficulties and an accident may occur when you least expect it. To minimize contamination, hazards to people, and environmental damage, you must REACT immediately. To help you prepare, this SOP will tell you:

- **HOW to PLAN** and be ready to respond to a problem;
- **HOW to REACT** to a minor, intermediate or major spill; and
- **WHAT** to do after a spill occurs.

Planning

MINOR SPILLS

- When on the move, keep some plastic bags in your vehicle, and have your assigned On-Vehicle Equipment (OVE) ready for use.
- Maintain supplies, rags, absorbent pads, or other kinds of materials that will soak up spills on hard surfaces (like Dry Sweep), or know where you can easily obtain them.
- Keep Personal Protective Equipment (PPE) accessible (gloves, goggles, etc.).

INTERMEDIATE & MAJOR SPILLS

In addition to the procedures above:

- Know where to go for help.
- Know where spill kits are kept and learn how to use them.

Prevention

Vehicle Maintenance and Fueling Points, Hazardous Waste Collection Points and hazardous material Storage & Supply Areas may not be set up at your deployment destination. So PLAN to build your areas to prevent hazardous material accidents before they occur. Remember the following:

HAZARDOUS MATERIAL/HAZARDOUS WASTE AREA LOCATION - Locate hazardous material/hazardous waste areas away from living areas, bunkers, ammunition storage, fence lines and/or dining facilities. Place them near the areas where hazardous material are used.

MATERIAL SAFETY DATA SHEET (MSDS) - Keep MSDSs for each hazardous material stored or collected at hazardous material/hazardous waste areas.

UNIT/ACTIVITY ENVIRONMENTAL SOP & SPILL RESPONSE PLAN - Place SOP and Spill Response Plan at each hazardous material/hazardous waste area.

COMPATIBILITY OF MATERIALS - Store and/or dispose of each class of hazardous material/hazardous waste separately. MSDSs describe the classification of HMs. Four common classification include the following: Flammable (fuels), Corrosives (acids), Reactive (explosives), and Toxic (insecticides).

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

SECONDARY CONTAINMENT - All liquid hazardous material/hazardous waste must have secondary containment. In order for it to be effective it must:

1. Hold 10% of the total hazardous material/hazardous waste stored or 100% of the largest container.
2. Have sand and/or pallets placed in certain areas to protect the liner.
3. Have overhead cover.

You should continually keep your hazardous material/hazardous waste areas clean and orderly by applying the principals of Monitoring and Housekeeping. 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 and dispose of it as hazardous waste at the Hazardous Waste Collection Point.

Hazardous Material/Hazardous Waste locations:

___ Make sure the locations of your hazardous material/**hazardous waste** are well chosen.

___ 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 hazardous material/hazardous waste areas.

See Appendix D of the ASP for specific CHECKlists for areas such as: Vehicle Fueling & Maintenance Areas; Hazardous Waste Collection Points; and Hazardous Material Supply & Storage Areas.

Response

Be prepared to respond immediately to any spill situation. Keep your Environmental SOP and Spill Response Plan (SRP) readily available at the main hazardous material/hazardous waste areas. The SRP should ensure that the following measures are implemented:

- PERSONAL PROTECTIVE EQUIPMENT (PPE) - At the entrance of every hazardous material/hazardous waste area, keep a supply of PPE to protect hands, eyes, skin, ears, head, feet, and lungs. If you are unsure about which items you need, consult the MSDS for the HMs that you are using.
- MSDS - Make sure that MSDSs are available in order to REACT to spills safely and effectively.
- SPILL STATIONS - Maintain spill response equipment at a station near (not inside of) hazardous material/hazardous waste areas. They should contain: First Aid Kits, Fire Extinguishers, Spill Response Kits, and Emergency PPE.
- TRAINING - Improve your readiness by practicing the SPILL DRILL on a regular basis, and be sure to know the spill reporting process.

Respond to spills, major or minor, immediately in order to eliminate hazards that could cause personal injury and/or environmental damage. If assistance is required, or spill/release is major, immediately call 911 or the Fort Benning Military Police (MP) Desk.

In any spill situation:

1. Safety First! -- Protect yourself by using PPE, including goggles, gloves, and suits. THEN...
2. Do the SPILL DRILL -- REACT:

REMOVE THE SOURCE: Plug the drip or leak and stop the spill.

ENVELOP THE SPILL: Place absorbent booms around the spill area, or build an earthen dam, when appropriate, around the spill.

ABSORB/ACCUMULATE: Place appropriate absorbent material (Dry Sweep, pads, etc.) on the spill in the middle of the boomed-off area.

CONTAINERIZE THE HAZARDOUS WASTE: Use a shovel to place contaminated materials (including soil, booms, pads or other materials) in a plastic bag or a waste drum.

TRANSMIT A REPORT: If a spill is too large to handle alone, - REACT as best you can and get help!

See Appendix D of the ASP for specific REACT actions for spills involving:

- **Minor Spills** (20 gallons or less);
- **Intermediate Spills** (from 21-55 gallons); and
- **Major Spills** (more than 55 gallons), or any spill into water, where injuries occurred or where spills occurred off Fort Benning associated property.

In addition:

- Prevent hazardous material from entering storm sewers and waterways;
- Minimize impacts to vegetation and wildlife; and
- Notify proper personnel and maintain record of spill event.

Acronyms are defined in the ASP Table of Content

APPENDIX H

Spill Kits and Response Material Checklists

Summary Spill Kit and Response Material Checklist

Recommended Spill Kits for Unit/Activity Motor Pools, Aircraft Hanger Areas, and all POL Field Sites

Recommended Spill Kits for Fuel Carrying Vehicles

Recommended Spill Kits for Other Military Vehicles

Vehicles Transporting Hazardous Materials other than POL

Summary Spill Kit and Response Material Checklist	
Spill Kits and Response Material	Primary Contents
<p>Spill kits should be maintained in and around all locations where hazardous material and hazardous waste are stored, handled, or disposed.</p> <p>The contents of a spill kit will vary depending on the hazardous materials and their characteristics.</p> <p>Hazardous materials other than POL will require spill kits to meet their specific requirements, (i.e., acid spill kit for Battery Shop that handles lead acid batteries).</p>	<p>Spill kits should include as a minimum:</p> <ul style="list-style-type: none"> ✓ Rubber gloves, ✓ Safety goggles, ✓ Putty, rubber mallet, ✓ Wooden plugs, ✓ Absorbent booms, ✓ Absorbent pads, ✓ Plastic bags, and ✓ In some cases, a disposal barrel.
<p>The Unit/Activity must check the material's MSDS for specific information on PPE and spill supplies.</p>	<p>Units/activities transporting hazardous materials should also plan for having a minimum amount of response materials on hand.</p> <ul style="list-style-type: none"> ✓ Various types of kits can be ordered through the U.S Army Supply System (through the Units supply or S-4 shop); ✓ The Unit/Activity must assess their hazardous material inventory and plan to have enough spill response material to respond to the larger container within their facility and the minimum for any specific hazardous material that require specific spill materials or PPE; and ✓ Whenever the Unit gets to this minimum level, the user should initiate a reorder to the supply NCO or S-4 to maintain the minimum amount on-hand.

Acronyms are defined in the ASP Table of Contents

Recommended Spill Kits for Unit/Activity Motor Pools, Aircraft Hanger Areas, and all POL Field Sites

30-Gallon POL Boom Kit: Absorbs Approx. 40 Gallons
Polyurethane 2 Rolls
55-Gallon POL Kit: Absorbs Approx. 40 Gallons
1 55 Gallon Drum
2 Bags Absorbent
6 Booms 2x10
50 Absorbent Pads
10 Heavy Duty Trash Bags

Recommended Spill Kits for Fuel Carrying Vehicles

It's recommended that all fuel carrying vehicles should have a transportation pack spill kit or equivalent spill equipment on board at all times. The following vehicles are considered to be fuel transporting vehicles: HEMITT M971 2500 gallons, Tanker 5000 gallon, M49C 1200 gallon, Tank and Pump unit 600 gallon.

The following is a list of the minimum level of spill equipment recommended to be on hand in all fuel carrying vehicles, especially if they are traveling within the Installation or in a field exercise.

Drip Pan

30-Gallon POL Kit: Absorbs Approx. 20 Gallons

1 30 Gallon Drum
1 16 pound bag Absorbent
3 Booms 2x10
25 Absorbent Pads ~17x19
5 Heavy Duty Trash Bags
1 Dust Pan

Recommended Spill Kits for Other Military Vehicles

Recommended on Vehicle Equipment (OVE) for small spills (usually from vehicle leaks):

1 drip pan
4-5 absorbent pads
1-2 plastic bags.

Additional Materials or Equipment

For each one of these recommended spill kits, the following should be available:

PPE such as: Goggles and Gloves. (2-3 pairs)
1 Shovel
2 Labels for wastes
1 Spill report
1 Inventory

Vehicles Transporting Hazardous Materials other than POL

- ✓ Transportation of hazardous materials is regulated under the Department of Transportation. Personnel transporting hazardous materials must follow all DOT requirements.
- ✓ As a preventive measure, vehicles transporting small amounts of hazardous materials or waste should have a transportation pack spill kit or equivalent spill equipment on board to REACT in the event of an incident.

- ✓ Hazardous Materials other than POL will require spill kits to meet their specific requirements. The Unit/Activity should check the MSDS for the materials that they transport and have appropriate amount for those particular materials.

Spill Response Record

PHASE I-IMMEDIATE ACTIONS FOR EVALUATING AND REPORTING SPILLS:

IMMEDIATELY REPORT ALL SPILLS TO YOUR SUPERVISOR AND/OR CALL 911 or the Fort Benning Military Police (MP) Desk

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

During Duty Hours also Call Mr. Felix Seda, EMD Spill Manager at (706) 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 EMD Spill Program Manager or FAX to (706) 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: _____
14. ESTIMATED COST OF CLEAN-UP: _____
15. CORRECTIVE ACTION TAKEN OR TO BE TAKEN TO PREVENT FUTURE SIMILAR INCIDENTS: _____
16. NAME AND PHONE NUMBER OF PERSONNEL REPORTING SPILL: _____

****KEEP THIS FORM FOR A MINIMUM OF 5 YEARS**

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.)

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: _____

COMPOSITE RISK MANAGEMENT WORKSHEET

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

1. MSN/TASK RED CLOUD RANGE SBF/MORTAR LFX	2a. DTG BEGIN	2b. DTG END	3. DATE PREPARED (YYYYMMDD)
---	---------------	-------------	-----------------------------

4. PREPARED BY		
a. LAST NAME FLYNN, ERIC M.	b. RANK CPT, IN	c. POSITION SENIOR PLATOON TRAINER

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?
	1(A). Range/Scenario/General Situational Awareness	H	THE RANGE NONCOMMISSIONED OFFICER IN CHARGE (NCOIC) AND SAFETY OFFICER (RSO) WILL: 1. READ AND REVIEW THE RISK	M	1. IAW MCOE Range and Terrain Regulation 350-19	Range OIC	
			MANAGEMENT WORKSHEET. 2. RECORD DAILY ENVIRONMENTAL AND CONDITION CHANGES ON THE DAILY RISK ASSESSMENT.		2. IAW MCOE PM 350-6-2 3. IAW MCOE PM 385-6-11 4. IAW 2-11 IN LFX Policy and FB Form 210	Range NCOIC	
			3. ENSURE CADRE COMBAT LIFESAVER AND A DEDICATED CASEVAC VEHICLE ARE AVAILABLE ON DAYS OF BLANK AND DRY FIRE.		5. IAW 199th IN BDE Lightning, Hot Weather Injury, and Cold Weather Injury SOP.	RSO	
			4. ENSURE THAT DEDICATED MEDICS ARE AVAILABLE AND PROPERLY PREPARED ON DAYS OF LIVE FIRE 5. INDIVIDUALLY SUPERVISE HIGH		7. IAW 199th IN BDE Evacuation SOP AND 350-G-2		
			RISK SOLDIERS IDENTIFIED BY COMPANY CADRE. 6. ENSURE THAT OBSERVER CONTROLLERS HAVE BEEN				
			VALIDATED ON THE EXECUTION OF THE SCENARIO OUTLINED IN THE FB 210 BY THE COMPANY COMMANDER AND 1SG.				

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 HOLLIS, MARK A.	b. RANK LTC	c. DUTY POSITION Commander 2-11IN	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?
			7. REVIEW 199TH IN BDE EVACUATION CRITERIA AND CASEVAC PROCEDURES TO INCLUDE THE EVACUATION OF HOT AND COLD WEATHER INJURIES,				
			SOLDIERS WITHIN STRIKING DISTANCE OF LIGHTNING, AND ANYTHING BEYOND THE CLS OR MEDICS ABILITY TO TREAT.				
			8. REVIEW THE CRITERIA AND PROCEDURES FOR AIR MEDEVAC.				
			9. CADRE DEMONSTRATION WILL TAKE PLACE TO ALL STUDENTS PRIOR TO EXECUTION		CADRE REHERSAL AND CERTIFICATION	COMPANY COMANDER PLATOON TRAINERS	
			10. STUDENTS RECEIVE MUTIPLE DAYS OF TRAINING PRIOR TO EXECUTION		Weapons Qualification and CFFT in a simulator	PLATOON TRAINERS	
			11. ADDITIONAL RSO WILL WALK ALL BLANK FIRE AND LIVE FIRE ITERATIONS. ISTD WILL HAVE A PERSONAL CADRE		2 CADRE PER ITERATION TO INCLUDE PLATOON TRAINER OR PSG, CO AND 1SG	OIC	
			IN ADDITION TO THE LANE SAFTY REQUIEMENT				
			12. ALL FIRE TEAMS WILL CERTIFY BLANK FIRE BEFORE THEY ARE ALLOWED TO CONDUCT LIVE FIRE		BLANK CERT	OIC	

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?
	1(B). Hot Weather Injury	M	1. ALL SOLDIERS WITH PREVIOUS HEAT INJURIES WILL BE MARKED TO ENSURE INDIVIDUAL SUPERVISION. 2. ALL CADRE AND STUDENTS WILL	L	1-4. IAW 199TH IN BDE hot Weather Injury SOP #13 1-4. IAW 2-11 IN hot Weather Injury SOP	Range OIC	
			BE BRIEFED ON THE IDENTIFICATION AND TREAT OF HEAT STROKE, HEAT EXHAUSTION HEAT CRAMPS 3. EACH PLT WILL POSSESS A THERMOSCAN		1-4. TRADOC Reg. 40-29 PM 350-6-2 Buddy Teams Individuals	Range NCOIC	
			4. COMPANY SIZE ELEMENT WILL CARRY AT MIN 15-20 ICE SHEETS AND A COOLER PER PLATOON, A WATER BUFFALO FILLED WITH WATER AND ICE		Suspected heat casualties will immediately have their tempature diagnosed with the thermoscan. Initiate immediat	RSO	
			5. THE RSO WILL MONITOR WIND HEAT INDEX FACTOR UTILIZING EITHER A KESTRAL OR WET BULB AND WILL		MEDEVAC if students tempature is 101F or greater. For tempature higher than normal tempatures not		
			REPORT HOURLY BACK TO COMPANY TOC 6. STUDENTS WILL HAVE 14 DAYS TO ACCLIMATIZATION IN ORDER TO ADJUST		requiring MEDEVAC initiate first AID IAW 2-11 Heat Injury SOP		
			TO GA HEAT AND HUMIDITY AND WILL BE ENCOURAGED TO DRINK WATER		Cadre will trained and certified prior to the training event and will conduct rehearsals on man down drills		
	2. Cold Weather Injuries	M	IAW MCOE Range and Terrain Reg 350-19: 1) All hazards will be identified and assessed. All personnel will be given a minimum of 14 days for acclimation. Prior cold weather	L	PM 350-6-2 Individual	Range OIC	
			casualties will be identified prior to training and considered high risk. Cadre will maintain constant observation of these individuals				
			2) Water and food will be provided so that personnel can stay hydrated and will have the appropriate amount of calories to stay warm.				
			3) All personnel will take the appropriate measures to stay dry, including packing / carrying enough dry clothes to change into.				

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?
	3. Wild Life Stings and Bites	M	1. RANGE NCOIC AND RSO WILL INCLUDE IN THEIR SAFETY BRIEF EXPLICIT INSTRUCTIONS NOT TO INTERACT WITH ANY FORM OF	L	1. IAW MCOE Range and Terrain Regulation 350-19. 2(a). IAW with 2-11 IN TACSOP	RSO Buddy Teams	
			WILDLIFE DURING THE EXECUTION OF THE TRAINING. 2. ALL PERSONNEL WILL INSECT ALLERGIES WILL BE PROPERLY		2(b). IAW MCOE PM 385-6-11 3. IAW AR 385-63, Policies and Procedures for Firing		
			MARKED TO ENSURE INDIVIDUAL SUPERVISION. 3. RANGE NCOIC WILL ENSURE THAT THE COMPANY CLS OR ON-SITE		Ammunition for Training, Target Practice, and Combat. 4. TRADOC Reg. 350-6-2		
			MEDICS ARE EQUIPPED TO REACT TO AN ALLERGIC REACTION TO INSECT STING AND ARE AWARE OF MEDEVAC PROCEDURES				
	4. Soldier Struck by Lightning	M	1. RANGE NCOIC WILL ENSURE CONSTANT MONITORING OF RANGE CONTROL NET VIA MACOM WHICH IS PRIMARY MEANS FOR RECEIVING	L	1-5. 199TH IN BDE Safety SOP (Lightning Safety and Procedures).	Range NCOIC	
			INCLEMENT WEATHER ALERTS. 2. RANGE NCOIC WILL SUSPEND ALL TRAINING DURING AN ELECTRICAL STORM AND IMMEDIATELY GROUND			RSO	
			ALL GEAR. 3. ALL PERSONNEL WILL BE CONTROLLED INTO A DESIGNATED AREA OF LOW GROUND.				
			4. RANGE NCOIC WILL IMMEDIATELY ESTABLISH COMM'S WITH BN HQ. 5. PERSONNEL WILL REMAIN NO LESS THAN 5-10M APART AND WILL BE				
			AUTHORIZED TO UTILIZE WET WEATHER GEAR SHOULD THE CONDITIONS ALLOW.				

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?
	5. Fire/Explosion in ASP / Mix of Blank and Live Ammunition	M	1. THE ONLY PERSONNEL WITH UNACCOMPANIED ACCESS TO THE ASP WILL BE THE OIC, NCOIC, RSO, AND ASP NCOIC. ALL AMMUNITION WILL	L	1. IAW AR 385-64 2. IAW TRADOC Regulation 700-2 3. IAW TM 9-1300-206	Range OIC	
			BE STOCKPILED, SORTED, DISTRIBUTED, AND RE-COLLECTED UNDER THE DIRECT SUPERVISION OF THE ASP NCOIC.		4. IAW 2-11 IN BN Ammunition distribution and collection SOP	Range NCOIC	
			2. THE ASP NCOIC WILL MAINTAIN AT LEAST TWO 10:BC FIRE EXTINGUISHERS AT A CLEARLY VISIBLE LOCATION IN PROXIMITY TO THE ASP.		5. IAW TM 9-1370-207-10		
			3. THE ASP NCOIC WILL POST SIGNS ON ALL FOUR CARDINAL DIRECTIONS OF THE ASP THAT PROHIBIT SMOKING WITHIN 100 METERS OF THE ASP.				
			4. ALL VEHICLES TRANSPORTING AMMUNITION WILL BE OPERATED ONLY BY HAZMAT CERTIFIED PERSONNEL.				
			5. BLANK AND LIVE AMMO WILL BE STORED SEPERATE. ALL BLANK ADAPTORS REMOVED, SHAKE DOWN BEFORE ISSUE OF LIVE AMMO AND		1. Range Safty Bried 2. Direct Supervision 3. Buddy Teams	Range OIC All Cadre	
	6. Fratricide	H	1. ALL PERSONNEL WILL BRIEFED OF THE LEFT AND RIGHT LIMITS OF EACH ENGAGEMENT DURING THE SCENARIO 2. ALL CADRE SERVING AS OBSERVER/	M	1. IAW 2-11 IN BN Live Fire SOP 2. Direct Supervision 3. Buddy Teams	Range OIC	
			CONTROLLERS WILL BE CERTIFIED BY THE OIC WITH THE COMMANDER AND FIRST SERGEANT PRESENT PRIOR TO THE EXECUTION OF TRAINING.		4. Individuals	Range NCOIC RSO Individuals	
			3. UPON COMPLETION OF THE EXERCISE, CADRE WILL SUPERVISE THE CLEARING OF OPEN BOLT WEAPON SYSTEMS. INDIVIDUAL				
			SMALL ARMS (M4, M16) WILL BE BUDDY CLEARED AT THE LIMIT OF ADVANCE PRIOR TO EXFIL.				

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?
			1. RANGE OIC AND CADRE WILL CONDUCT AMMO SHAKE DOWN AFTER EACH ITERATION AND ENSURE BFA'S ARE REMOVED PRIOR TO LIVE FIRE		1. Ammo Shake down after blank iteration 2. BFA on weapons only when students have blanks	Range OIC All Cadre	
	7. Range Fires	M	1. RANGE NCOIC WILL ENSURE THAT ALL FIRE-FIGHTING EQUIPMENT IS BROUGHT TO THE TRAINING AREA DURING PCI/PCC	L	1. IAW 2-11 IN BN Live Fire SOP 2. Direct Supervision	RSO	
			2. ONLY CADRE WILL ATTEMPT TO PUT OUT FIRES THAT ARE OUTSIDE OF THE IMPACT AREA. 3. FIRES WITHIN THE IMPACT AREA			Range OIC	
			WILL NOT BE DISTURBED, BUT RATHER JUST MONITORED AND REPORTED TO RANGE CONTROL 4. AT ANY SIGN OF SYMPATHETIC				
			DETONATIONS, ALL EFFORTS TO ELIMINATE A RANGE FIRE WILL BE CEASED, AND FORESTRY WILL BE CALLED FOR ASSISTANCE.				
	8. Hand, Eye and Ear Injuries	M	1. ALL PERSONNEL WILL WEAR BALLISTIC EYE PROTECTION AND LEATHER GLOVES FOR ALL ITERATIONS (DRY, BLANK AND LIVE) .	L	1. IAW 2-11 IN TACSOP 2. IAW C/2-11 Range Procedures and direct	RSO	
			2. ALL PERSONNEL WILL UTILIZE PROPER HEARING PROTECTION FOR ALL ITERATIONS OF DRY, BLANK, AND LIVE FIRE SCENARIOS.		supervision of the NCOIC during outload operations. 3. Direct Supervision 4. DA PAM 40-501		
			3. RSO WILL ENSURE THAT EXTRA EYE AND HEARING PROTECTION IS AVAILABLE WITHOUT PENALTY. 4. ALL PERSONNEL USING STAR				
			PYROTECHNICS FOR SIGNALLING WILL BE REQUIRED TO DEMONSTRATE THEIR PROPER USE AND STORAGE TO PLT CADRE(WEARING .				

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?
	8. MORTAR FIRING	H	Ensure that the students are briefed on how to properly hang rounds	M	Attached unit gives period of instruction prior to allowing students to hang rounds	All Cadre	
	SHORT ROUNDS	M	All cadre and attached unit personnel ensure that all cheese charges are to standard and that firing solutions are exact	L	Use of attached unit SME adn OIC/RSO	Attached unit leaders ensure compliace prior to hanging rounds	
	Misfire	M	Ensure all personnel are briefed on proper procedures in the event of a morat misfire and that EOD is given a WARNO prior to training ececution	L	Brief students and cadre on procedures for misfire on mortar rounds	Brief in safety briefing prior to execution.	
	Mortar rounds in ASP	L	Ensure ammo NCO and detail understand how to properly store and handle mortar rounds	L	Support PLT provides SOP and brief to all PAX that will be handeling ammo 1 week prior	OIC and RSO ensure compliance	



DEPARTMENT OF THE ARMY
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REPLY TO
ATTENTION OF
ATZB-SO

04 June 2013

MEMORANDUM FOR Commander 2/11th IN Bn, Attn: CPT James D. Gallagher, Fort Benning, GA 31905

SUBJECT: 2/11th IN Bn SBF Live Fire with US Weapons on Red Cloud Concept and Safety Review

1. References.

a. 2/11th IN Bn SBF Live Fire with US Weapons and Mortar Familiarization on Red Cloud, 21 May 2013.

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

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

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

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

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

g. Department of the Army Pamphlet 385-63, Range Safety, RAR 12 May 2009

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

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

j. MCoE Policy Memorandum 385-6-14, Composite Risk Management, 22 October 2012

2. Document received on 03 June 2013.

3. Concur w/comment.

a. Concept paper, paragraphs 6b & o. The two paragraphs contrast each other in the

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handling and storage of ammunition. All ammunition will be held at the ammunition storage point and only dispersed to support each firing iteration. No ammunition will be held to the rear of the firing points.

b. RMW, Blocks 2a & b, pg 1. Dates must be determined and inserted into the form.

c. RMW, Blocks 10, pg 1. References referring to MCoE PM 385-6-11 and FB Form 210 are obsolete and have been superseded with MCoE PM 385-6-14 and FB Form 350-19-1-E-R, March 2010.

d. RMW, Blocks 7 & 9, pg 3. "Hot Weather Injury", recommend that your initial and residual risk levels more accurately reflect the probability of the incident occurring. The Initial Risk should be "HIGH" and the Residual Risk "MODERATE".

e. RMW, Block 11, pg 3. "Hot Weather Injury", recommend that add "Buddy Team" and "Individual" to the block.

f. RMW, Block 11, pg 3. "Cold Weather Injuries", recommend that you add "Buddy Team" and "Individual" to the block.

g. RMW, Block 7 & 9, pg 4. "Soldier struck by Lightning", recommend that your initial and residual risk levels more accurately reflect the probability of the incident occurring. The Initial Risk should be "HIGH" and the Residual Risk "MODERATE".

h. RMW, Block 7 & 9, pg 5. "Fire/Explosion in ASP/Mix of Blank and Live Ammunition", recommend that your initial and residual risk levels more accurately reflect the severity of the incident occurring. The Initial Risk should be "HIGH" and the Residual Risk "MODERATE".

i. RMW, Block 11, pg 5. "Fratricide", recommend that you add "Individual" to the supervisory role.

j. RMW, Block 11, pg 6. "Range Fire", recommend that you add to the control measures a new DODIC and discontinue use of tracer ammunition during the summer months to prevent range fires.

k. RMW, Block 7 & 9, pg 7. "Short Rounds", recommend that your initial and residual risk levels more accurately reflect the severity of the incident occurring. The Initial Risk should be "HIGH" and the Residual Risk "MODERATE".

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


JILL E. CARLSON
Director, MCoE/USAG Safety