FIRING/NONFIRING DATA

For use of this form see USAIC Regulation 350-19; the proponent agency is DPTMS Log # 11-4-13

TO: Chief, Range Division, Directorate of Plans, Training, Mobilization and Security Fort Benning, GA 31905	**Date:** 22 Feb 2014 **Range:** Brooks Range **Title:** OSUT Gunnery **Problem No:**
THRU: 194th AR BDE S-3	**FROM:** 5-15 CAV, 194th AR BDE S-3 SQDN Master Gunner

SECTION I, TYPE OF TRAINING

☑ a. Live Fire ☐ b. Non-live Fire CP/Controller Coordinates: Tower 0963 9728

SECTION II, DEMOLITIONS/GRENADES/MINES/PYROTECHNICS

Coordinates	Type	Model/DODAC	Size of Charges
N/A			

SECTION III, WEAPONS/AMMUNITION REQUESTED

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

SECTION IV, LIVE FIRE EXERCISES Attach the following:

- ☑ Scenario of training to be conducted:
- ☑ Sketch of area:
- ☑ Risk Assessment:
- ☐ Attach FB Form 350-19-2-E-R if Mortar or artillery is being fired:

SECTION V, NON-LIVE FIRE TRAINING

Training area(s) to be occupied:

- ☐ Scenario of training to be conducted:
- ☐ Sketch of area(s) to be occupied:
- ☐ Risk Assessment:

Name/rank of requesting officer: Davis, Michael D. SFC Michael D Davis	Name/rank of Major Unit S3/Commander: Liehlyter, Daniel MAJ

SECTION VI, FOR RANGE DIVISION USE

DATE: 2 MAY 2014

TO: 5-15 CAV, 194th AR BDE	FROM: Range Division, Directorate of Plans, Training, Mobilization and Security Fort Benning, GA 31905

a. Roadblocks to be closed: SEE ROAD BLOCK ENCLOSURE

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 Brad S. Tuck

Brooks Range, 194th, 5-15 CAV OSUT Gunnery (Log # 11-4-13 Weapons, Ammo And Target List Enclosure March 5, 14.					
Firing Positions	**Weapons**	**Ammunition**	**Left Limit Mils Grid Azimuth**	**Right Limit Mils Grid Azimuth**	**Targets**
Left Half Baseline: 1064 9939 to 1060 9934	M2	.50 cal Ball/Tracer	2045	2470	206 - 223. M: 1, 2.
Right Half Baseline: 1060 9934 to 1055 9929	M242 M240B/C M249	25mm M793/M910 7.62mm Ball/Tracer 5.56mm Ball/Tracer	1965 1965 1965	2490 2625 2625	204, 206 - 223. M1, M2. Group: 2, 4, 6, 7. 204 - 210. Group: 2, 4, 6, 7. 204 - 210.
BP1: 1073 9943	M2 M240B/C M242	.50 cal Ball/Tracer 7.62mm Ball/Tracer 25mm M793/M910	2210 1960 2210	2575 2575 2575	206 - 223. M1, M2. Group: 3, 6, 7. 206 - 210. 206-223. M1, M2.
BP2: 1068 9938	M2 M240B/C M242	.50 cal Ball/Tracer 7.62mm Ball/Tracer 25mm M793/M910	2140 2140 2140	2495 2495 2495	206 - 223. M1, M2. Group: 6, 7. 206 - 210. 206 - 223. M1, M2.

DEPARTMENT OF THE ARMY
HEADQUARTERS, 5TH SQUADRON, 15TH CAVALRY REGIMENT
WHEELLOCK HALL, BLDG. 4318
7226 2ND CAVALRY REGIMENT STREET
FORT BENNING, GEORGIA 31905

REPLY TO
ATTENTION OF

ATZK-BAE

06 November 2013

MEMORANDUM FOR RANGE CONTROL

SUBJECT: One Station Unit Training Live Fire Scenario

1. The following request outlines the request of 5th Squadron 15th Cavalry Regiment to conduct live fire exercises that incorporates two M249 SAW machine guns fired from the bipod or tripod position center sector of the firing line (baseline). HMMWV's with either M240B machine gun or .50 caliber machine gun will be fired from BP1 and BP2 or M240B from center sector of the firing line (baseline) to the right side of the firing line and the M2/A1 .50 Caliber machine gun also mounted on the HMMWV fired from center sector of the firing line (baseline) to the left side of the firing line both ending on the edge of the concrete pad. Bradley Fighting Vehicles firing the M240C coax machine gun and M242 Bushmaster from BP1 and BP2 **ONLY**. **At no time will the left ½ side firing line (baseline) and BP1 & BP2 fire simultaneously. BP1 and BP2 will not be occupied when firing from the left ½ side firing line (baseline).** The Long Range Advance Scout Surveillance System (LRAS) trucks will be use in conjunction with the live fire exercise that incorporate a Call for Fire mission; vehicle position will be marked by the Master Gunner in the wood line behind the firing line (baseline). CFF station 1 and 2 will communicate by radio with the tower to complete this task on targets greater than 1700 meters. This exercise will be conducted on Brooks Range as a part of the 19D POI requirement.

2. Scheme of maneuver:

a. (Phase 1) Gunnery exercise will be a setup day consisting of Bradley Fighting Vehicle movement to the range by HETT, Cadre members will then download the BFV's and move the Bradley's to BP1 and BP2. The BFV's hull and turret will be oriented on the left range fan. All tracks and bolts will be lubricated, perfire checks, and bore sight procedures will be completed and a green flag (weapons clear) will be displayed. The Master Gunner will verify emplacement of each vehicle on the firing line. The HMMWV's will road march to the range by cadre members and will be placed on the right side of the baseline (firing line) and then mount the weapon on top of the vehicles. The vehicles will then be secured and a guard force will be emplaced. All weapon systems will be clear with no ammo in the vehicles. Phase ends once the unit setup is complete, unit may start phase 2.

b. (Phase 2) The warriors will be transported to the range via bus and will receive a Safety Briefing and a Conduct of the Range Brief by the RSO. The non-firing platoons will be range support. Range support will issue weapons, break down ammo, move weapons on and off

the range once cleared by RSO and police up the range. Ammunition will be broken down and ready for pick up. Weapons will not be loaded until vehicle is in the firing position and after command is given.

c. Once a hot status has been given, the firing platoon will cycle through four stations. The M249 SAW, M240B, M2/A1 Machine Gun, and the BFV. The firing platoons will don the proper uniform for the vehicle they will be firing, file through the ammo pad, and receive their ammunition. The fires will receive 100 rds of 5.56mm link ammunition for day fire and 50 rds for night fire. The M249 will use targets on target list using the center 1/3 sector of the (firing line) baseline.

d. The fires will receive 200 rds of 7.62mm link and 200 rds of .50 cal for day fire and 100 rds of 7.62mm link and 100 rds of .50 cal for night fire using PAS13. Once the Warriors have moved to their firing vehicles, the cadre members will instruct and supervise them through the loading process and changing barrels as necessary. When the platoon of 240B fires is complete with AARs; they rotate to the .50 cal machine gun. The M240B right ½ side baseline (firing line) and M2/A1 MG left ½ side baseline (firing line) will utilize targets on target list.

e. They then move as a platoon to the last station; BFV. As a group, BFV fires will receive 210 rounds of 25MM and 400 rounds 7.62mm link per four fire's for day and night fire from BP1 and BP2 **ONLY**. Once each platoon finishes all four stations, they will swap rolls with the platoon in support. The Warriors will receive a Safety Briefing and a Conduct of the Range Brief by the RSO. The non firing platoon will swap rolls with the firing platoon and perform the same process as the day prior. All weapons system must remain up and down range at ALL times. The appropriate fire commands will be given by the Cadre and proper response terms will be given by the Warriors during the dry and live fire portion of gunnery.

f. (Phase 3) Once all firing is complete and the training objective has been accomplished, all weapons will be cleared each day by the RSO. At this time the range clearing procedures will begin so the unit can clear the range and all vehicles will be moved to the next training site.

3. Safety

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-link 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.

Voice: Primary means of signaling cease fire will be FM communication. Alternate signal will be colored smoke/star cluster. Emergency cease fire signal will be RED SMOKE/ Air-horn. All signals will be included in the initial safety briefing. Anyone observing any unsafe act can call for a Cease Fire.

4. The point of contact for this action is SFC Davis, Michael D., HQ, 5TH Squadron, 15TH Cavalry Master Gunner at (706) 626-4123 or at michael.d.davis146.mil@mail.mil.

DANIEL W. LICHLYTER
MAJ, AR
Executive Officer

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

11 March 2013

MEMORANDUM FOR Commander, 5/15th CAV, Attn: SSG Michael Davis, Fort Benning, GA 31905

SUBJECT: 5-15th CAV OSUT Gunnery at Brooke Range Concept and Safety Review

1. References.

a. 5-15th CAV OSUT Gunnery at Brooke Range, 22 February 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

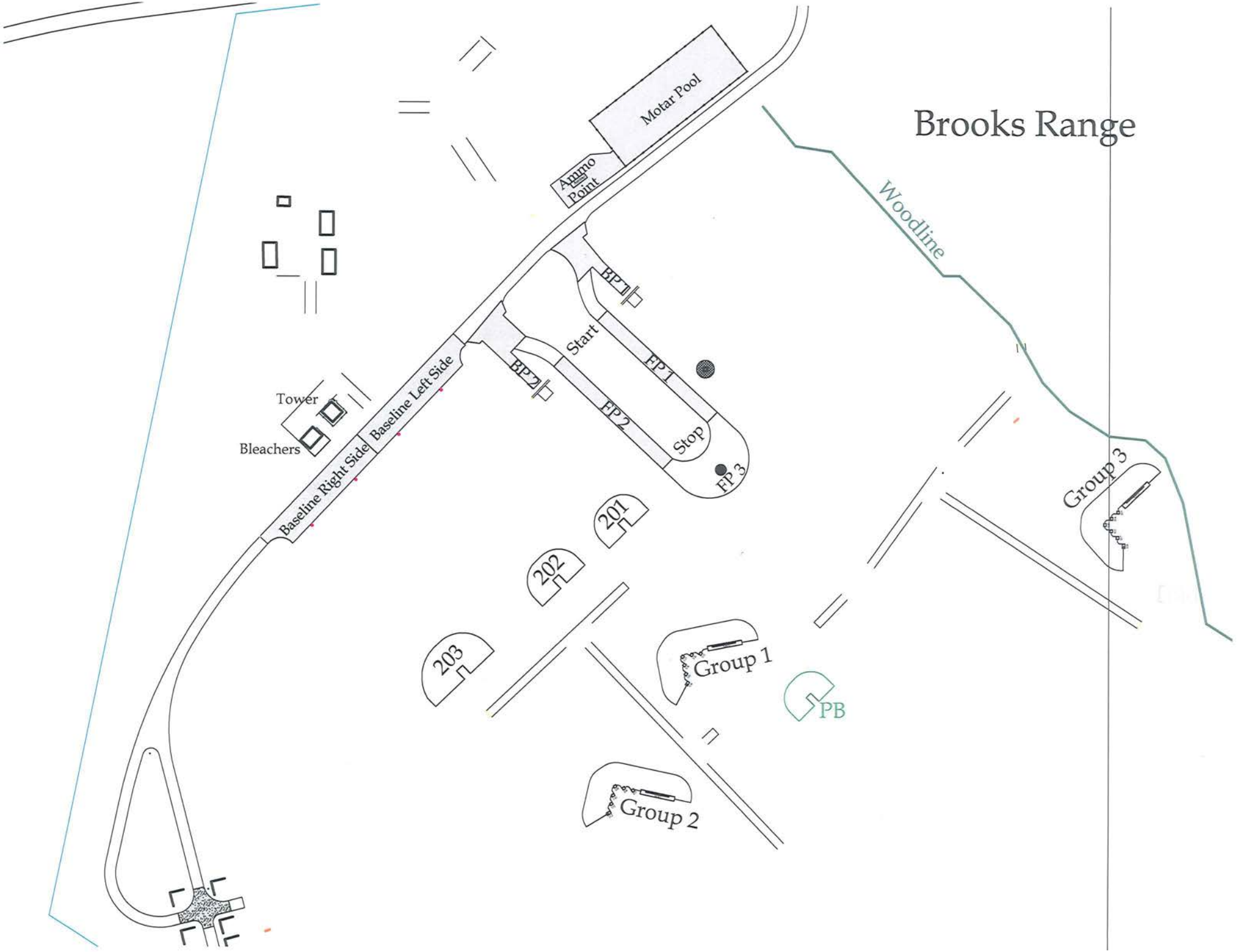
j. MCoE Policy Memorandum 385-6-12, Composite Risk Management, 15 December 2010

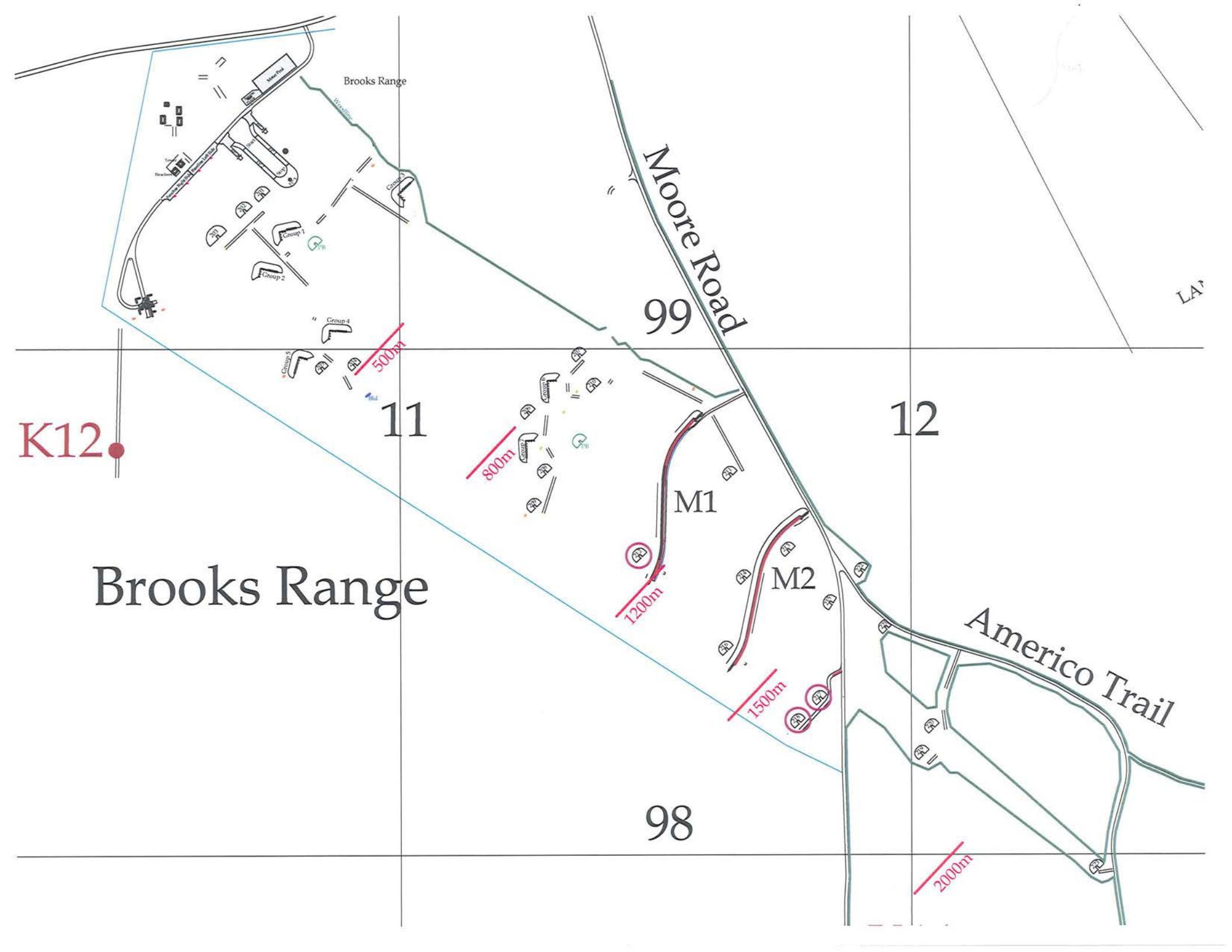
2. Document received on 06 March 2013.

3. Concur.

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


Brooks Range
Motar Pool
Ammo Point
Woodline
BP1
BP2
Start
FP1
FP2
Stop
FP3
Tower
Bleachers
Baseline Left Side
Baseline Right Side
201
202
203
Group 1
Group 2
Group 3
PB



Brooks Range
Moore Road
99
11
12
K12
Brooks Range
M1
M2
Americo Trail
98
500m
800m
1200m
1500m
2000m
Group 1
Group 2
Group 3
Group 4
Group 5

Brooks Range 194th, 5-15 CAV OSUT Gunnery (Log # 11-4-13) Roadblocks 01 March 2014

#	GRID	LOCATION	TYPE
K-2	GA 163 883	Across Box Springs Rd 125m N. of its intersection with Buena Vista Rd.	Gate
K-3	GA 153 894	Across entrance road leading to Concord OP 250m N. of its intersection with Buena Vista Rd.	Gate
K-5	GA 117 920	Across Shamanski Rd 25m N. of its intersection with Buena Vista Rd.	Gate
K-7	GA 109 937	Across Moore Rd 15m N. of its intersection with Bullseye Rd.	Cable
K-8	GA 099 947	Across Bulls Eye Rd 50m E of its intersection with Lorraine Road.	Gate
K-9	GA 103 921	Across Buena Vista Rd 40m E of the intersection with Moore Rd (Road Guard Location)	Gate
K-9A	GA 106 919	Across tank trail 200m W of the Upatoi Creek ford site.	Gate
K-10	GA 118 920	Across Buena Vista Rd at K-5 road block.	Gate
K-11	GA 105 927	Across Moore Rd 20m N. of its intersection with Audernarde Trail. Entrance to Terry Demo Rng. (Road guard location)	Gate
K-12	GA 104 988	Across Old Lorraine Road 600m S of the tower on Brooks Range.	Gate
K-13	GA 112 943	Across Moore Rd 680m N. of its intersection with Bullseye Rd.	Gate
K-14	GA 113 998	Across Moore Rd 10m S. of its intersection with Lorraine Rd.	Gate
K-15	GA 114 999	Across course road leading out of Ruth Range 50m E. of its intersection with Moore Rd.	Gate
K-16	GB 190 003	Across Rinehart Rd 130m W. of its intersection with Box Springs Rd.	Gate
K-16A	GA 172 989	Across Rinehart Rd 20m S. of its intersection with the northern boundary range road.	Gate
K-16B	GA 171 990	Across un-named trail 20m S. of its intersection with the northern boundary range road.	Gate
K-17	GB 116 013	Across unnamed trail 15m E. of Moore Rd and 300m N. of Ruth Range tower.	Gate
K-19	GB 121 023	Across unnamed trail 220m N-E. of Oscar Range Complex Road and 30m S of the northern boundary range road.	Gate
K-20	GB 141 021	Across unnamed trail 550m S of the northern boundary range road.	Cable
K-21	GB 139 027	Across the northern boundary range road Aprox 250m East of Cox Creek bridge.	Gate

#	GRID	LOCATION	TYPE
K-26	GA 201 949	Across Boundry Road 1800m S of its intersection with Turrentine Road	Gate
K-27	GA 207 968	Across Turrentine Rd 600m E. of its intersection with Boundary Rd.	Gate
K-28	GA 191 885	Across Whitson Rd 15m W. of its intersection with Cactus Rd.	Gate
K-29	GA 189 888	Across un-named trail on left side of Cactus Range 300m W of Cactus Road	Gate
K-30	GA 190 890	Across un-named trail on right side of Cactus Range 250m W of Cactus Road.	Gate
K-32	GA 192 915	Across Shamanski Road 35m W of its intersection with Cactus Rd.	Gate
K-36	GA 163 883	Across Buena Vista Rd 50m W. of its intersection with Box Springs Rd. (Road guard location).	Gate
K-36A	GA 163 882	Across Tank Trail 50m W. of its intersection with Box Springs Rd.	Gate
K-38	GA 201 941	Across unnamed trail 35m W. of its intersection with the east boundary road. Permanently closed.	Gate
K-39	GA 202 949	Across unnamed trail 15m W. of its intersection with the east boundary road. Permanently closed.	Gate
K-40	GA 174 908	Across Box Springs Rd 30m S. of Pine Knot Creek.	Gate
K-41	GA 192 944	Across Kennesaw Trail 30m W. of its intersection with Box Springs Rd.	Gate
K-42	GA 193 944	Across Box Springs Rd 10m N. of its intersection with Cactus Rd.	Gate
K-43	GA 203 978	Across the northern boundary range road approx 20m N-W. of the old Hastings Range upper baseline.	Gate
K-44	GA 113 955	Across Moore Rd on the N. side of Carmouche Range maneuver box.	Gate
K-45	GA 115 961	Across Moore Rd 300m S. of its inter-section with the old Ware Range course road.	Gate
K-46	GA 119 979	Across Moore Rd 725m S. of its intersection with Americo Trail	Gate
K-47	GA 176 963	Across Turrentine Rd 1000m W. of mover 4 on Hastings Range	Gate
K-50	GA 195 988	Across Box Springs Rd 60m N. of its intersection with the northern boundary range road.	Cable
O-9	101 962	600m N of Carmouche Rng on right side of Lorraine Rd	Gate
O-18	093 979	800m N of Ware Rng Entrance on right side of Lorraine Rd	Gate

COMPOSITE RISK MANAGEMENT WORKSHEET

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

1. MSN/TASK	2a. DTG BEGIN	2b. DTG END	3. DATE PREPARED *(YYYYMMDD)*
OSUT Gunnery	070800Mar2014	060800Mar2015	20140307

4. PREPARED BY

a. LAST NAME	b. RANK	c. POSITION
Davis	SFC	Squadron Master Gunner

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?
	Mounting and exiting the vehicles	M	SM will mount vehicle through rear driver side door and exit through rear passenger door.	L	CIs, RSO and Drill Sergeant will ensure SM exit vehicles correctly.	Troop Commander, 1SG, Drill Sergeants, CIs, Range Cadre, Individual	
	Vehicle/Soldier Collision	M	Max 5 mph when Soldiers in area Ground guides visible in BIV sites Conduct Rollover Drills, TC's up when moving 360 degrees scan, TC's account for all Soldiers	L	TM 9-2320-280-10	Troop Commander, 1SG, Drill Sergeants, CIs, Range Cadre	
	Vehicle Rollover	H	Use two ground guides, drivers use safety belts. Only cadre will drive vehicles when loading.	M	TM 9-2350-252-10 TM 9-2320-280-10	Troop Commander, 1SG, Drill Sergeants, CIs, Range Cadre	
	Cookoff of live round from coax machine gun could kill or injure Soldiers.	H	If machine gun is hot, do not inspect tray, remove ammo and clear Soldiers from the area and wait 15 minutes before clearing the weapon system.	M	TM 9-2320-280-10	Troop Commander, 1SG, Drill Sergeants, CIs, Range Cadre	
	UXO/Debris on Range	M	RSO will conduct safety brief and include the non handling of range debris and UXO that could be found on the range. RSO/OIC marks and reports all UXO found to range control.	L	Cdr's Inbrief BR-1 TSP	Troop Commander, 1SG, Drill Sergeants, CIs, Range Cadre, Individual	
	Soldiers Smuggling Brass and Ammo off of the range.	M	All Soldiers briefed that they cannot take ammo or brass off of the range. Turn in weapons to Holder overnight. Cadre conducts "shakedown" prior to leaving the range.	L	Cdr's Inbrief BR-1 TSP BDE SOP on AA&E	Troop Commander, 1SG, Drill Sergeants, CIs, Range Cadre	

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	b. RANK	c. DUTY POSITION	d. SIGNATURE
BIRMINGHAM, MICHAEL	LTC	5th Squadron 15th CAV REGT, 194th AR BDE Squadron Commander	

ITEMS 5 THROUGH 12 CONTINUED:

5. SUBTASK	6. HAZARDS	7. INITIAL RISK LEVEL	8. CONTROLS	9. RESIDUAL RISK LEVEL	10. HOW TO IMPLEMENT	11. HOW TO SUPERVISE (WHO)	12. WAS CONTROL EFFEC-TIVE?
	Unlatched hatch covers could swing and injure Soldiers.	M	Make sure gunner's covers are latched and secured properly.	L	TM 9-2320-280-10	Troop Commander, 1SG, Drill Sergeants, CIs, Range Cadre	
	Accidental firing can kill or injure soldiers.	H	Take care to ensure weapons on safe when loaded and cleared properly when not in use.	M	TM 9-2320-280-10	Troop Commander, 1SG, Drill Sergeants, CIs, Range Cadre, Individual	
	Mixing barrel assembly and bolt assembly of the machine gun may kill or injure Soldiers.	H	Do not interchange barrel assembly or bolt assembly from one machine gun to another unless approved by the unit armor. Barrels will be assigned to each weapon system.	M	FM 3-22.68 TM 9-1005-347-10	Troop Commander, 1SG, Drill Sergeants, CIs, Range Cadre	
	A runaway weapon can kill or injure a soldier. Reloading a runaway weapon can kill or injure a Soldier.	H	Always keep machine gun pointed down range. Never reload it until it is repaired. Be sure weapon is cleared before removing it from vehicle/tripod mount.	M	FM 3-22.68 TM 9-1005-347-10	Troop Commander, 1SG, Drill Sergeants, CIs, Range Cadre, Individual	
	A hot gun can kill or injure a Soldier.	H	If 200 rounds were fired within a 2 minute period do NOT open the cover. Wait 15 minutes before clearing the weapon system.	M	FM 3-22.68 TM 9-1005-347-10	Troop Commander, 1SG, Drill Sergeants, CIs, Range Cadre, Individual	
	Any machine gun barrel improperly locked into place could cause injury.	M	Before firing, double check to make sure barrels is locked tightly in the receiver.	L	FM 3-22.68 TM 9-1005-347-10	Troop Commander, 1SG, Drill Sergeants, CIs, Range Cadre, Individual	
	Firing any weapon on the move can cause erratic firing that could kill or injure a Soldier.	M	Firing on the move in not permitted.	L	FM 3-22.68 TM 9-1005-347-10	Troop Commander, 1SG, Drill Sergeants, CIs, Range Cadre, Individual	
	Hot Weather Environment	H	Wet bulb checked hourly; iced sheets on site; work/rest/water consumption rate maintained; safety brief conducted on temp. and heat cat.; prior hot weather injuries marked.	M	Unit SOP AR 385-10 FM 4-25.11 GTA 05-08-012	Troop Commander, 1SG, Drill Sergeants, CIs, Range Cadre	
	An M2 or M2A1 with incorrect headspace and timing can kill or injure a Soldier.	H	Headspace and timing will be checked and adjusted before firing the M2 after assembly or change of barrel. M2A1 will be turn into maintenance for correct headspace & timing.	M	FM 3-22.68 TM 9-1005-347-10	Troop Commander, 1SG, Drill Sergeants, CIs, Range Cadre	
	A machine gun that has been in action but not cleared can kill or injure a Soldier when Soldier is in way of muzzle.	H	Clear the machine gun before anyone moves in front of the muzzle. Clearing consists of unloading the machine gun and visually inspecting weapon to ensure all rounds removed	M	Range SOP Clearing Procedures	Troop Commander, 1SG, Drill Sergeants, CIs, Range Cadre, RSO	

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?
	Opening the cover of an M2 or M2A1 after use, while a cook-off occurs could kill or injure a Soldier.	H	Never open the cover on a hot loaded weapon that fails to fire. Allow to cool down before clearing.	M	TM 9-1005-213-10 TM 9-1005-347-10	Troop Commander, 1SG, Drill Sergeants, CIs, Range Cadre, Individual	
	Placing fingers in the chamber of any weapon can cause injury to Soldiers.	M	Keep fingers out of chamber, visual inspect chamber.	M	TM 9-1005-213-10 TM 9-1005-347-10	Troop Commander, 1SG, Drill Sergeants, CIs, Range Cadre, Individual	
	An M2 or M2A1 with ammo or with the bolt charged to the rear can kill or injure a Soldier when the backplate.	H	Do not remove backplate until the chamber is cleared. Place the bolt in the forward position. Do not charge the weapon with the backplate removed. Stand to one side when removing the	M	TM 9-1005-213-10 TM 9-1005-347-10	Troop Commander, 1SG, Drill Sergeants, CIs, Range Cadre, Individual	
	assembly is removed from the weapon.		backplate.				
	Attempting to lift the M2 or M2A1 by the backplate in the upright position can cause the assembly to slip an	M	When lifting the M2/M2A1 by the backplate assembly, turn the weapon 90 degrees or hold by the main assembly only.	L	TM 9-1005-213-10 TM 9-1005-347-10	Troop Commander, 1SG, Drill Sergeants, CIs, Range Cadre, Individual	
	fall on a Soldier. This could also cause the buffer spring to be released and injure a Soldier.						
	Releasing the firing pin on an M2 or M2A1 with cocking lever forward could spring back forcibly and injure hand.	M	Do not attempt to release the firing pin with cocking lever forward. Ride the bolt forward with the cocking handle.	L	TM 9-1005-213-10 TM 9-1005-347-10	Troop Commander, 1SG, Drill Sergeants, CIs, Range Cadre, Individual	
	Weapons Malfunction during live fire.	M	RSO qualified in weapons system instructs Soldier using weapon. Master Gunner or Unit Armor on site to assess and correct serious malfunctions and prep-to-fire checks.	L	TM 9-1005-213-10 TM 9-1005-347-10	Troop Commander, 1SG, Drill Sergeants, CIs, Range Cadre, Individual	
	Lightning	H	OIC/NCOIC/RSO 1. Suspend all training during electrical storms. 2. Notify Range Control, Troop and Squadron of any lightning related incident.	M	1. MCoE Reg 350-19 2. IAW 350-6-2, Standardized markings of Soldiers at risk.	Troop Commander, 1SG, Drill Sergeants, CIs, Range Cadre, Individual	
			3. Control the students. 4. Brief students on electrical storm plan and point out location to ground gear and open area to move to in the event of lightning.		3. 5-15 Cav policies and range operations. 4. Range safety brief to leaders.		

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?
	Lightning cont.		INSTRUCTIONS WILL 1. Enforce that all students ground there individual equipment and don there wet weather gear.				
			2. Brief all students, training unit personnel, and cadre on lightening dispersal area.				
	Eye and Hearing Hazards	M	Cadre and Trainees will wear Kelvar, eye protection and ear protection on the firing line while firing blank or live ammunition during gunnery.	L	IAW TR 350-6 PAM 40-506/40-501	Troop Commander, 1SG, Drill Sergeants, CIs, Range Cadre, Individual	
	Laser Usage	L	Laser will not be used during gunnery.	L	Commander Guidance IAW TSP	Troop Commander, 1SG, Drill Sergeants, CIs, Range Cadre, RSO, Individual	

RECORD OF ENVIRONMENTAL CONSIDERATION (REC)

Date Submitted: 9/6/2013

EMD Number: 1324919 **Project#:** Unknown **Project Title:** 19D OSUT, Basic Machine Gun, Gunnery Familiarization Fire

Description of proposed action:

During daylight and limited visibility hours, given Bradley Fighting Vehicle (BFV), .50 Cal machine gun, 240B machine gun mounted on stationary HMMWV and M249 ground mounted on the M192 LWGM, the AN/PAS13B(V)2. Soldiers will engage troops and truck targets down range from a stationary defensive position. There will be no land disturbance. Vehicles will remain stationary at all times during live fire with drip pans and chalk blocks down. Requesting to add Carmouche Range to EMD Number 1324919 19D OSUT, Basic Machine Gun, Gunnery Familiarization Fire - 9/10/13

Project Location:

Brooks, Ware, Ruth, and Carmouche Ranges

Amount, Description, Location of Disturbance/Digging:

None

Number of Personnel:

180

Type of Ammunition:

M793, M910, A557 .50cal A131
7.62mm A064 5.56mm Live

Number/Types of Trees:

None

Size of Project Area: N/A

Duration of Action: Start: 10/1/2013 Stop: 9/30/2014

Proponent: SFC Davis (706)626-4123 **Organization/Unit:** 5-15 Cav, 194th

Number/Types of Vehicles:

Eight (8): BFV, HMMWV – 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, 2014

Cultural Resources - Archeological Conditions: Edward Howard (706 545 1898), 9/17/2013

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. Re-submittal is required if submitted project is modified in any way.

Natural Resources - RCW None Michael Barron (706 544 7080), 9/6/2013

EMD Number: 1324919 **IJO#** **Project Title:** 19D OSUT, Basic Machine Gun, Gunnery Familiarization Fire

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CWA - Training **Conditions:** **Jessica Loughman (706 604 4572), 9/13/2013**

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), 9/6/2013**

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.

Hazardous Materials/Waste **Conditions:** **Ted Williams (706 545 7579), 9/6/2013**

Appropriate precautions must be taken to prevent hazardous material spills. Have adequate quantities of spill response supplies on hand. If a spill occurs use notification procedures as outlined in the Fort Benning Hazardous Waste Management Plan. Contain and clean up spill according to guidance provided by the Environmental Protection Management Branch. Any waste generated must undergo a waste stream analysis to determine appropriate management requirements. If any hazardous waste is generated it must be managed in accordance with Federal, State, Army and Fort Benning regulations.

Defective, misfired, or otherwise unserviceable munitions must be managed IAW/MCOE Reg.350-19-5-10, Para 9-2 (Proper management of Misfired munitions). All excess, munitions must be returned to the Ammunition Supply Point after the field exercise is completed. A dud shall not be removed from the range; it will be marked, called into range control and will be properly disposed of by EOD personnel IAW/MCOE Reg. 350-19, 23 Jul 2010.

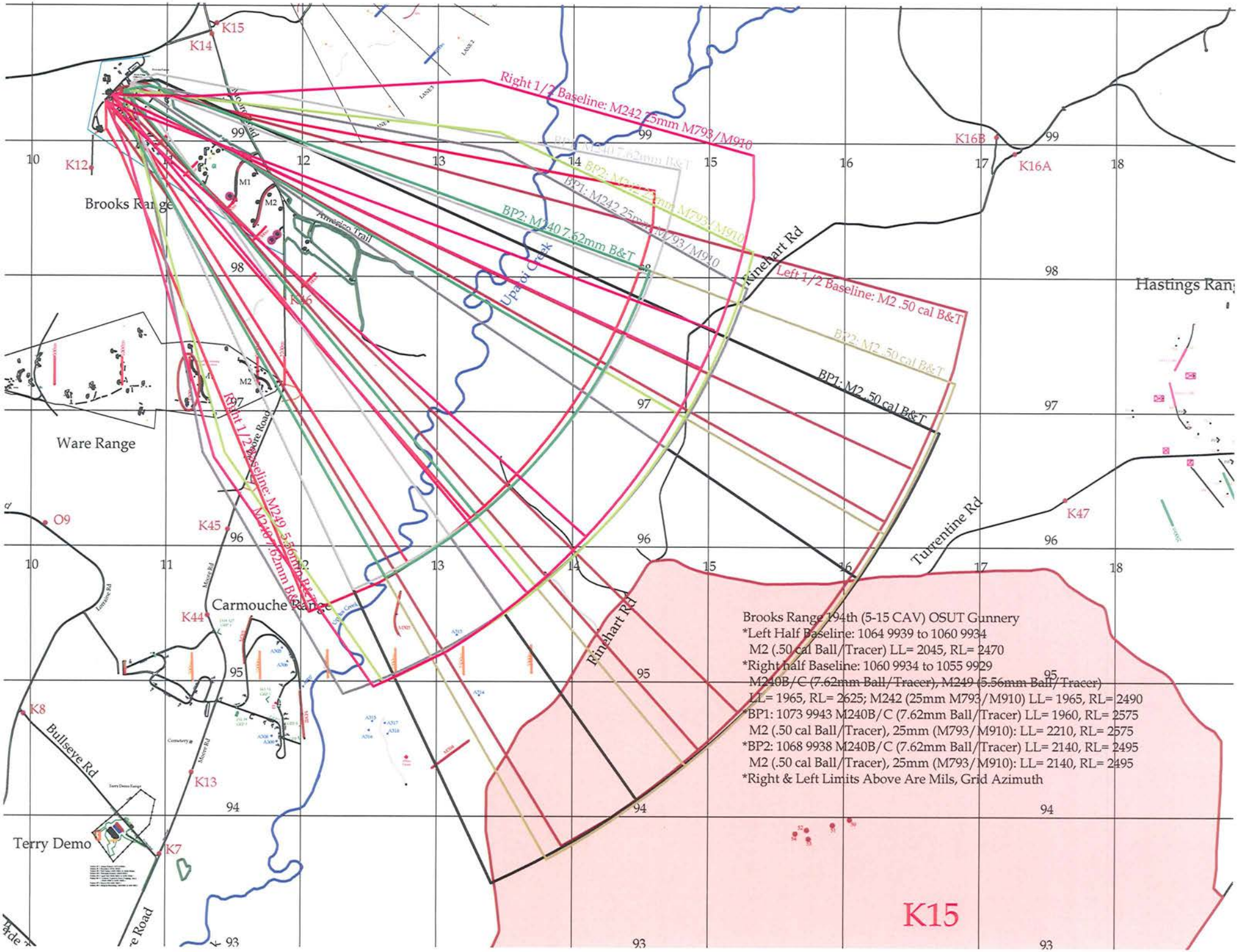
Rubbish, empty containers and other waste (including used smoke/C2 canisters) should be removed from the training area after the training is completed. Contact EPMB for detailed information on the proper disposal of waste products resulting from the exercise. Contact POC below for any questions or additional guidance.

Signature _____

John E Brown
NEPA Program Manager
Date 19 SEP 2013

Signature _____

Christopher E. Hamilton, PhD
EPMB Chief
Date 20 Sep 13



Right 1/2 Baseline: M242 25mm M793/M910
BP2: M240 7.62mm B&T
BP1: M242 25mm M793/M910
BP2: M240 7.62mm B&T
Left 1/2 Baseline: M2 .50 cal B&T
BP2: M2 .50 cal B&T
BP1: M2 .50 cal B&T
Right 1/2 Baseline: M249 5.56mm B&T
M240 7.62mm B&T
Brooks Range
Ware Range
Carmouche Range
Terry Demo
Hastings Rang
Rinehart Rd
Turrentine Rd
Bullseye Rd
Upatoi Creek
Moore Road
Moore Rd
Lorraine Rd
Cemetery
K15
K14
K12
K16B
K16A
K16
K45
K44
K47
K8
K13
K7
O9
M1
M2
Brooks Range 194th (5-15 CAV) OSUT Gunnery
*Left Half Baseline: 1064 9939 to 1060 9934
M2 (.50 cal Ball/Tracer) LL= 2045, RL= 2470
*Right half Baseline: 1060 9934 to 1055 9929
M240B/C (7.62mm Ball/Tracer), M249 (5.56mm Ball/Tracer)
LL= 1965, RL= 2625; M242 (25mm M793/M910) LL= 1965, RL= 2490
*BP1: 1073 9943 M240B/C (7.62mm Ball/Tracer) LL= 1960, RL= 2575
M2 (.50 cal Ball/Tracer), 25mm (M793/M910): LL= 2210, RL= 2575
*BP2: 1068 9938 M240B/C (7.62mm Ball/Tracer) LL= 2140, RL= 2495
M2 (.50 cal Ball/Tracer), 25mm (M793/M910): LL= 2140, RL= 2495
*Right & Left Limits Above Are Mils, Grid Azimuth
K15