

FIRING/NONFIRING DATA

Log # 2-15-13

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: 22 Feb 2013 Range: Brook 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 1057 9937

SECTION II, DEMOLITIONS/ GRENADES/MINES/PYROTECHNICS

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

SECTION III, WEAPON/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 / SSG <i>Michael Davis</i>	Name/rank of Major Unit S3/Commander: Lock, Carlos / MAJ <i>Carlos A. Lock</i>
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SECTION VI, FOR RANGE DIVISION USE

DATE: 25 MAR 13

TO: 5-15 CAV, 194th AR BDE	FROM: Range Division, Directorate of Plans, Training, Mobilization and Security Fort Benning, GA 31905
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a. Roadblocks to be closed:
 b. Road(s) to be closed/road barrier locations: *See Road Block Enclosure.*
 c. Remarks:
 d. This approval expires: *Indef*

Chief, Range Division
 Directorate of Plans, Training, Mobilization and Security
Bruce S. Turner



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.

ATZB-SO

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

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, 194th, 5-15 CAV OSUT Gunnery (Log #2-15-13) Adjusted Weapons, Ammo And Target List Enclosure March 5, 13.

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	M240B/C M249	7.62mm Ball/Tracer 5.56mm Ball/Tracer	1965	2625	Group: 2, 4, 6, 7. 204 - 210.

DEPARTMENT OF THE ARMY
HEADQUARTERS, 5TH SQUADRON, 15TH CAVALRY 194TH AR BDE
BLDG 4318
FORT BENNING, GEORGIA 31905



ATZK-BAEZ-F

22 February 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 HMMWV's with mounted M2 .50 Caliber machine guns and eight M240B machine guns fired from the Bipod position. This exercise will be conducted on Brooks Range as a part of the 19D POI requirement.

2. Scheme of maneuver:

- A. (Phase 1) Day one of the live fire exercise will be a setup day consisting of prefire checks. The Master Gunner will verify each vehicle on the firing line has completed all steps. 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 the weapon mounts will be prepared and mounted on top of the vehicles.
- B. (Phase 2) Day two 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 the range support and will begin issuing M2 .50 cal's with assigned spare barrels and M240C's with assigned spare barrel with machine gun, also placing M240B's on the center of the Baseline (firing line) see attachment. Ammunition will be broken down and ready for pick up. The firing platoons will assume the proper uniform for the vehicle they will be firing and then file through the ammo pad and receive their ammunition. M2 and M240B fires will receive one can of .50 cal and one can of 7.62mm. Once the warriors have moved to their firing vehicles the cadre members will instruct and supervise the warriors through the loading process. Once a hot status has been issued, one by one the warriors will cycle through three stations; M2 HB MG, the M240B, and the M249. The M2 HB MG station will utilize targets on target list. The M240B station will utilize targets on target list. The M249 will use targets appropriate distance 200 to 300 meters. Cadre members will supervise loading procedures and changing barrels as necessary. Once each platoon finishes that set of vehicles, they will swap rolls and fire the other weapon systems.

- C. (Phase 3) Day 3 The warriors will receive a Safety Briefing and a Conduct of the Range Brief by the RSO. The non firing platoons will swap rolls with the firing platoon and do the same process as the day prior.
- D. (Phase 4) Day 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

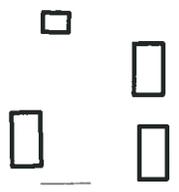
- A. **LASER's:** Class III A lasers are not eye safe on dual low mode within 25 meters. PEM – 1A is not a tactical laser and must be used within 25 meters. Laser Warning Signs will be in place prior to opening the range. **Range safety briefing will include hazards using Lasers and NVD's.**
- B. **Communications:** 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.
- C. **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:
 - 1. Designation of unit.
 - 2. Range by location
 - 3. Type of weapon involved.
 - 4. Type of ammunition involved.
 - 5. Brief summary of what happened.
 - 6. Personnel injuries and extent.
 - 7. Full Name, SS#, Rank and unit of injured personnel.
 - 8. Extent of property damage.
 - 9. Intentions regarding an AR 15-6 investigation.
- D. **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 effect until cleared through Range Control.

- E. **Ammunition**: There will be no de-linking or re-linking of any ammunition. Any ammunition that has been de-or re-linked is considered nonstandard and is prohibited from the range.
 - F. **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.
 - G. 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.
 - H. Cease fire will be briefed in the safety briefing and the hand and arm signals will be identified along with other SOP procedures. Cadre members will monitor the internal frequency and the cease fire will be sent out over the radio.
 - I. Hearing protection will be worn at all times once the range is in a hot status. Additional hearing protection will be provided for personnel missing their own and visitors.
 - J. All weapon firers will be monitored closely on the ground and on HMMWV's to ensure weapons and ammunition stay inside the range fans. The Cadre member will be in the back hatch (hatch open reverse) area and the student will be on the gunner's seat. To prevent any unsafe act from occurring and in a position to override the gunner.
 - K. All SM will positive ID the target before firing and only firing at authorized targets.
 - L. When vehicles are ready to move ground guides will assist to keep the area around the vehicle clear of personnel and equipment.
 - M. Vehicles will use proper range flags to displace weapon status.
4. POC for this memorandum is the undersigned at (706) 626-4123.


CARLOS A. LOCK
MAJ, LG
Executive Officer

Brooks Range
194th (5-15 CAV)
OUST Gunnery

Woodline

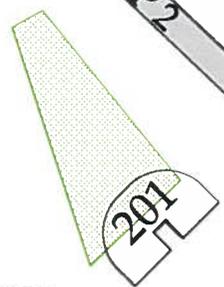
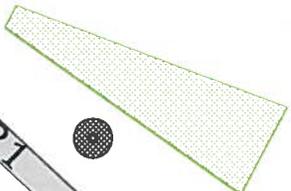
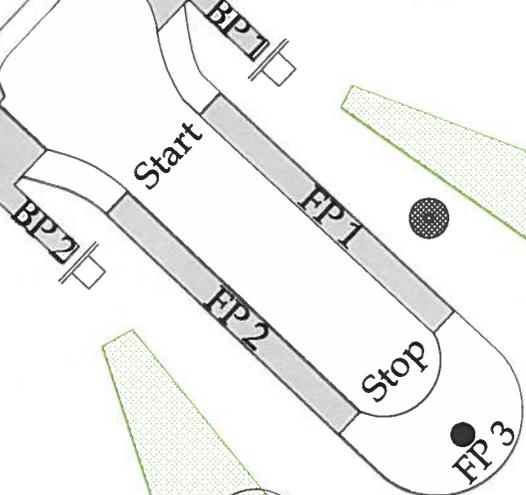


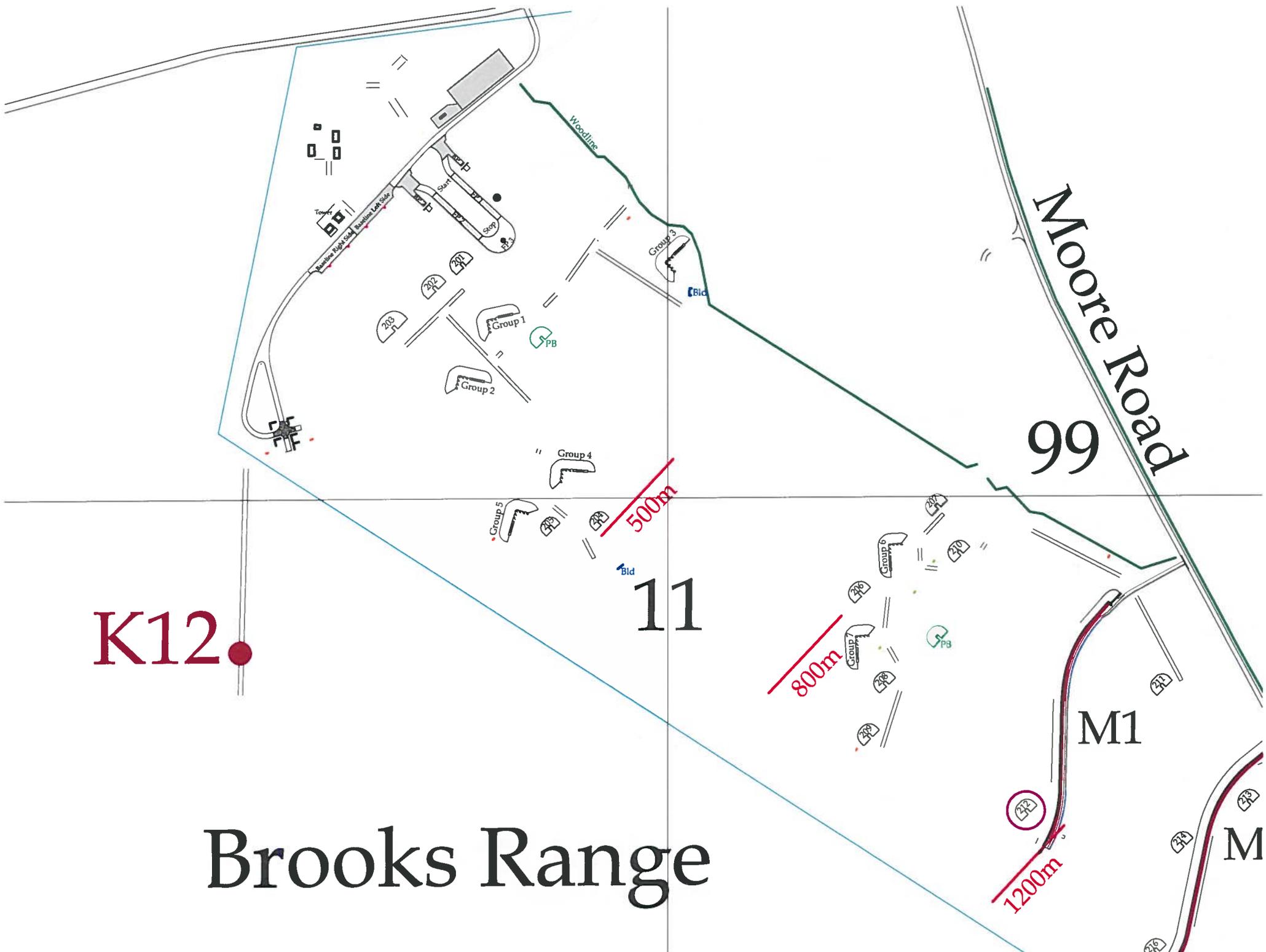
Tower



Baseline Left Side
M2 .50 cal

Baseline Right Side
M240B/C, M249
7.62/5.56mm





K12.

11

Moore Road
99

M1

M

Brooks Range

500m

800m

1200m

COMPOSITE RISK MANAGEMENT WORKSHEET

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

1. MSN/TASK OSUT Gunnery	2a. DTG BEGIN 211637Sep2012	2b. DTG END 202359Sep2013	3. DATE PREPARED (YYYYMMDD) 20120912
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4. PREPARED BY			
a. LAST NAME Davis	b. RANK SSG	c. POSITION 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 EFFECTIVE?
	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	
	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	
	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)
<input type="checkbox"/> LOW <input checked="" type="checkbox"/> MODERATE <input type="checkbox"/> HIGH <input type="checkbox"/> EXTREMELY HIGH

14. RISK DECISION AUTHORITY			
a. LAST NAME Koloski	b. RANK LTC	c. DUTY POSITION 5th Squadron 15th CAV REGT, 194th AR BDE Squadron Commander	d. SIGNATURE 

ITEMS 5 THROUGH 12 CONTINUED:

5. SUBTASK	6. HAZARDS	7. INITIAL RISK LEVEL	8. CONTROLS	9. RESIDUAL RISK LEVEL	10. HOW TO IMPLEMENT	11. HOW TO SUPERVISE (WHO)	12. WAS CONTROL EFFECTIVE?
	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, ISG, 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, ISG, Drill Sergeants, CIs, Range Cadre	
	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, ISG, 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, ISG, Drill Sergeants, CIs, Range Cadre	
	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, ISG, Drill Sergeants, CIs, Range Cadre	
	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, ISG, Drill Sergeants, CIs, Range Cadre	
	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, ISG, Drill Sergeants, CIs, Range Cadre	
	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, ISG, 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, ISG, 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, ISG, Drill Sergeants, CIs, Range Cadre	

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	
	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	
	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	
	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	
	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	
	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	
	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	
			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 EFFECTIVE?
	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 eye protection and ear protection while firing blank or live ammunition during training.	L	IAW TR 350-6 PAM 40-506/40-501		

Brooks Range 194th (5-15 CV) OUST Gunnery Log #2-15-13 Roadblock List 5 Mar 2013

#	GRID	LOCATION	TYPE	#	GRID	LOCATION	TYPE
K-2	GA 163 883	Across Box Springs Rd 125m N. of its intersection with Buena Vista Rd.	Gate	K-27	GA 201 968	Across Turrentine Rd 10m W. of its intersection with Boundary 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-28	GA 191 885	Across Whitson Rd 15m W. of its intersection with Cactus Rd.	Gate
K-4	GA 144 901	Across entrance road leading to Hartell Bunkers 50m N. its of intersection with Buena Vista Rd.	Gate	K-29	GA 189 888	Across un-named trail on left side of Cactus Range 300m W of Cactus Road	Gate
K-5	GA 117 920	Across Shamanski Rd 25m N. of its intersection with Buena Vista Rd.	Gate	K-30	GA 190 890	Across un-named trail on right side of Cactus Range 250m W of Cactus Road.	Gate
K-8	GA 099 947	Across Bulls Eye Rd 50m E of its intersection with Lorraine Road.	Gate	K-32	GA 192 915	Across Shamanski Road 35m W of its intersection with Cactus Rd.	Gate
K-9	GA 103 921	Across Buena Vista Rd 40m E of the intersection with Moore Rd (Road Guard Location)	Gate	K-36	GA 163 883	Across Buena Vista Rd 50m W. of its intersection with Box Springs Rd. (Road guard location).	Gate
K-9A	GA 106 919	Across tank trail 200m W of the Upatoi Creek ford site.	Gate	K-36A	GA 163 882	Across Tank Trail 50m W. of its intersection with Box Springs Rd.	Gate
K-10	GA 118 920	Across Buena Vista Rd at K-5 road block.	Gate	K-38	GA 201 941	Across unnamed trail 35m W. of its intersection with the east boundary road. Permanently closed.	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-39	GA 202 949	Across unnamed trail 15m W. of its intersection with the east boundary road. Permanently closed.	Gate
K-12	GA 104 988	Across Old Lorraine Road 600m S of the tower on Brooks Range.	Gate	K-40	GA 174 908	Across Box Springs Rd 30m S. of Pine Knot Creek.	Gate
K-13	GA 112 943	Across Moore Rd 680m N. of its intersection with Bullseye Rd.	Gate	K-41	GA 192 944	Across Kennesaw Trail 30m W. of its intersection with Box Springs Rd.	Gate
K-14	GA 113 998	Across Moore Rd 10m S. of its intersection with Lorraine Rd.	Gate	K-42	GA 193 944	Across Box Springs Rd 10m N. of its intersection with Cactus 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-43	GA 203 978	Across the northern boundary range road approx 20m N-W. of the old Hastings Range upper baseline.	Gate
K-16	GB 190 003	Across Rinehart Rd 130m W. of its intersection with Box Springs Rd.	Gate	K-44	GA 113 955	Across Moore Rd on the N. side of Carmouche Range maneuver box.	Gate
K-16A	GA 172 989	Across Rinehart Rd 20m S. of its intersection with the northern boundary range road.	Gate	K-45	GA 115 961	Across Moore Rd 300m S. of its intersection with the old Ware Range course road.	Gate
K-16B	GA 171 990	Across un-named trail 20m S. of its intersection with the northern boundary range road.	Gate	K-46	GA 119 979	Across Moore Rd 725m S. of its intersection with Americo Trail	Gate
K-17	GB 116 013	Across unnamed trail 15m E. of Moore Rd and 300m N. of Ruth Range tower.	Gate	K-47	GA 176 963	Across Turrentine Rd 1000m W. of mover 4 on Hastings Range	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	O-9	GA 101 962	Across unnamed trail 10m E of its intersection with Lorraine Rd.	Gate
K-21	GB 136 027 (Proposed)	Across the northern boundary range road at Cox Creek bridge.	Gate	O-18	GA 093 979	800m N of Ware Rng Entrance on right side of Lorraine Rd	Gate
K-26	GA 201 949	Across Boundry Road 1800m S of its intersection with Turrentine Road	Gate				

Brooks Range 194th (5-15 CV) OUST Gunnery Log #2-15-13 Roadblock List 5 Mar 2013

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K-9A	GA 106 919	Across tank trail 200m W of the Upatoi Creek ford site.	Gate	K-36A	GA 163 882	Across Tank Trail 50m W. of its intersection with Box Springs Rd.	Gate
K-10	GA 118 920	Across Buena Vista Rd at K-5 road block.	Gate	K-38	GA 201 941	Across unnamed trail 35m W. of its intersection with the east boundary road. Permanently closed.	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-39	GA 202 949	Across unnamed trail 15m W. of its intersection with the east boundary road. Permanently closed.	Gate
K-12	GA 104 988	Across Old Lorraine Road 600m S of the tower on Brooks Range.	Gate	K-40	GA 174 908	Across Box Springs Rd 30m S. of Pine Knot Creek.	Gate
K-13	GA 112 943	Across Moore Rd 680m N. of its intersection with Bullseye Rd.	Gate	K-41	GA 192 944	Across Kennesaw Trail 30m W. of its intersection with Box Springs Rd.	Gate
K-14	GA 113 998	Across Moore Rd 10m S. of its intersection with Lorraine Rd.	Gate	K-42	GA 193 944	Across Box Springs Rd 10m N. of its intersection with Cactus 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-43	GA 203 978	Across the northern boundary range road approx 20m N-W. of the old Hastings Range upper baseline.	Gate
K-16	GB 190 003	Across Rinehart Rd 130m W. of its intersection with Box Springs Rd.	Gate	K-44	GA 113 955	Across Moore Rd on the N. side of Carmouche Range maneuver box.	Gate
K-16A	GA 172 989	Across Rinehart Rd 20m S. of its intersection with the northern boundary range road.	Gate	K-45	GA 115 961	Across Moore Rd 300m S. of its intersection with the old Ware Range course road.	Gate
K-16B	GA 171 990	Across un-named trail 20m S. of its intersection with the northern boundary range road.	Gate	K-46	GA 119 979	Across Moore Rd 725m S. of its intersection with Americo Trail	Gate
K-17	GB 116 013	Across unnamed trail 15m E. of Moore Rd and 300m N. of Ruth Range tower.	Gate	K-47	GA 176 963	Across Turrentine Rd 1000m W. of mover 4 on Hastings Range	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	O-9	GA 101 962	Across unnamed trail 10m E of its intersection with Lorraine Rd.	Gate
K-21	GB 136 027 (Proposed)	Across the northern boundary range road at Cox Creek bridge.	Gate	O-18	GA 093 979	800m N of Ware Rng Entrance on right side of Lorraine Rd	Gate
K-26	GA 201 949	Across Boundry Road 1800m S of its intersection with Turrentine Road	Gate				



RECORD OF ENVIRONMENTAL CONSIDERATION (REC)



Date Submitted: 9/14/2012

EMD Number: 1225804

Project#: Unknown

Project Title: 19D OSUT, Basic Machine Gun, Gunnery Familiarization Fire

Description of proposed action:

During daylight and limited visibility hours, given M2A1, M2, 240B mounted on stationary M1025 series vehicles and M249 ground mounted on the M192 LWGM, the AN/PAS13B(V)2. Soldiers will engage vehicle and troop targets 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.

Project Location:

Brooks Range, Ware Range, and Ruth Range

Amount, Description, Location of Disturbance/Digging:

None

Number of Personnel:

180

Type of Ammunition:

A557, .50Cal, A131 7.62mm and A064 5.56mm Live

Number/Types of Trees:

None

Size of Project Area: N/A

Duration of Action: Start: 10/1/2012 Stop: 9/30/2013

Proponent: SSG Davis

706 626 4123

Organization/Unit: 5-15 CAV, 194th AB

Number/Types of Vehicles:

Number of vehicles: 8

Types of vehicles: M1025 Series

No-Vehicles will be going off road.

All vehicles will remain stationary during live fire.

DECISION: Concur with conditions

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

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

REC APPROVED THROUGH 30 SEPTEMBER, 2013

Natural Resources - RCW

None

Michael Barron (706 544 7080), 9/18/2012

Noise

Conditions:

Ellis Leeder (706 545 2400), 9/17/2012

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

EMD Number: 1225804

IJO#

Project Title: 19D OSUT, Basic Machine Gun, Gunnery

Hazardous Materials/Waste

Conditions:

Ted Williams (706 545 7579), 9/17/2012

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.

CWA - Training

Conditions:

Jessica Taylor (706-604-4572), 9/17/2012

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).

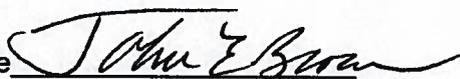
General SPCC Requirements: Ensure all hazardous materials are properly storage to prevent spill/discharges, to meet safety requirements for storage, and that containers are not exposed to the weather. Have adequate spill response supplies available during exercise for any spills that may likely occur. 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.

Cultural Resources - Archeological

None

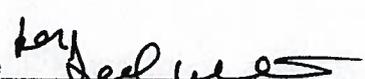
Edward Howard (706 545 1898), 9/17/2012

Signature 

John E Brown

NEPA Program Manager

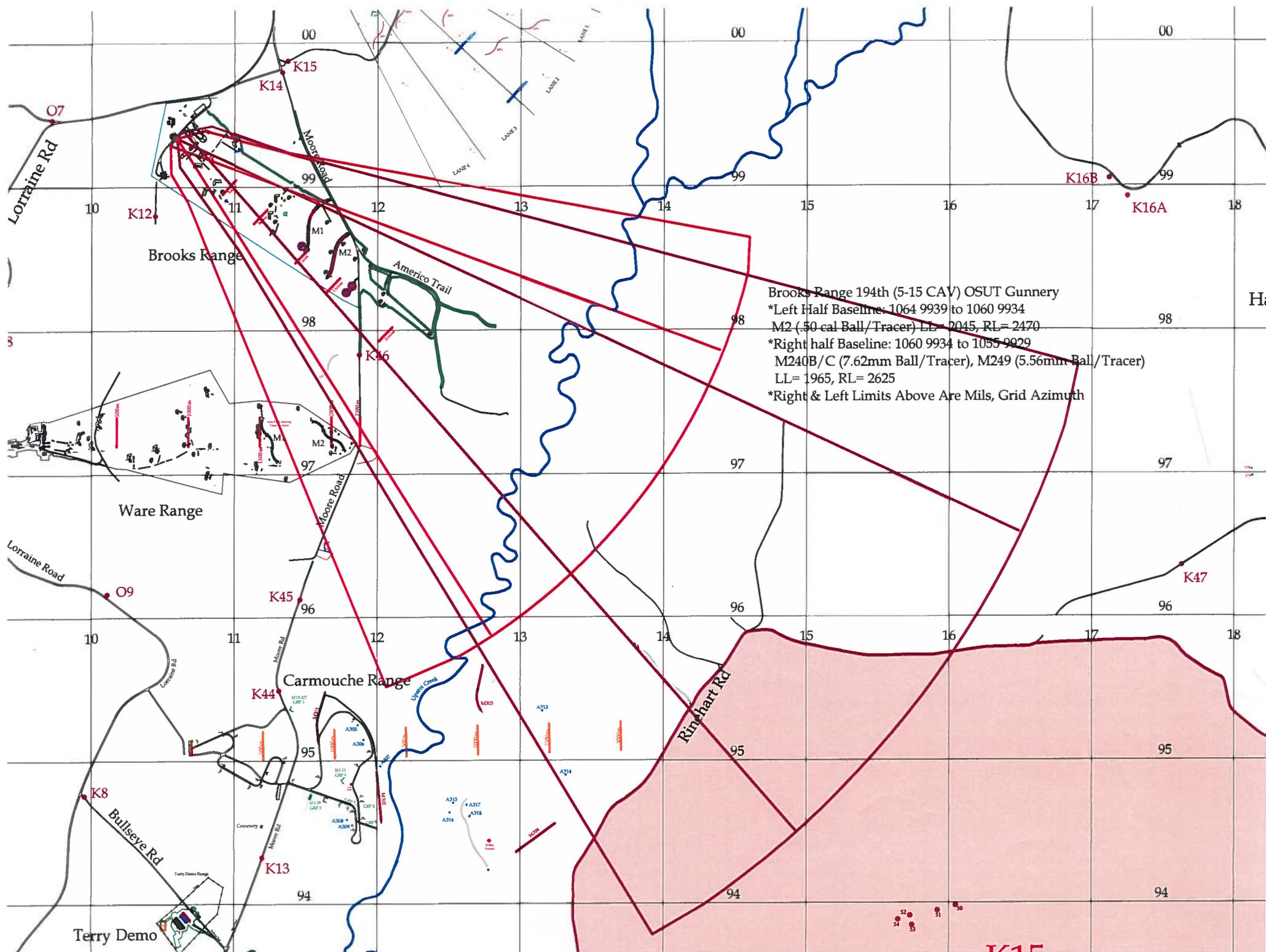
Date 19 SEP 12

Signature 

Christopher E. Hamilton, PhD

EPMB Chief

Date 09-20-12



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
 *Right & Left Limits Above Are Mils, Grid Azimuth

H:

K15