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:** 26 March, 2013 L09 3-13-13 **Range:** Carmouche Range **Title:** Stryker Manuver, Qualification **Problem No:**
THRU: S-3 197th IN BDE FT Benning, Ga 31905	**FROM:** S-3, 1-29th IN BN FT. Benning Ga 31905

SECTION I, TYPE OF TRAINING

☑ a. Live Fire ☐ b. Non-live Fire CP/Controller Coordinates: GA 1063 9506 Bleachers

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 and Ammo list	See Weapons and Ammo list	See Weapons and Ammo list	See Weapons and Ammo list	See Weapons and 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:	Name/rank of Major Unit S3/Commander:
Pye, Brandon, CPT, 1-29TH IN SBIC CDR	Olearnick, Clint, MAJ, 1-29TH BN, XO

SECTION VI, FOR RANGE DIVISION USE DATE: 24 July 2013

TO: S-3, 197th IN BDE FT Benning, GA 31905	**FROM: Range Division,** **Directorate of Plans, Training,** **Mobilization and Security** **Fort Benning, GA 31905**

a. Roadblocks to be closed: See Roadblock Enclosure.

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

c. Remarks: Laser warnings will be posted prior to use.

d. This approval expires: Indef

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

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

08 July 2013

MEMORANDUM FOR Commander 1/29th IN Bn., Attn: CPT Brandon Pye, Fort Benning, GA 31905

SUBJECT: 1/29th IN Bn., Stryker Gunnery at Carmouche Range SOP and Safety Review

1. References.

a. 1/29th IN Bn., Stryker Gunnery at Carmouche Range SOP, 31 January 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, 01 March 2013

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

2. Document received on 03 July 2013.

3. Concur w/comment.

a. SOP, paragraph 9a, pg 2. The implementation of a detailed convoy briefing will control all aspects of the movement to and from the training area must be addressed in the SOP and RMW.

b. SOP, paragraph 9b(3), pg 3. During the cleanup phase, special emphasis must be placed on the handling and collection of spent brass and the prevention of lead contamination.

c. SOP, paragraph 11d, pg 4. Weapons and weapons systems will be oriented down range while loading and unloading.

d. RMW, Block 8, pg 4-5. "Soldier struck by lightning", recommend that you add to the control measures a daily weather briefing from the U.S. Air Force Observers/Forecasters stationed on Lawson Army Airfield for the time period that you plan on being on the range and update that briefing every six hours.

e. RMW, Block 8, pg 7. "Vehicle strikes another vehicle", recommend that you clarify the verbiage in the control measure to clearing state the meaning of "barrels will be placed to 3 elevation when passing another vehicle".

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

DEPARTMENT OF THE ARMY
1st Battalion 29th Infantry Regiment
Fort Benning, Georgia 31905

ATSH-INA-I

31 January 2013

MEMORANDUM FOR: Range Division

SUBJECT: Stryker Qualification/Maneuver, Stryker Branch SBIC 1/29 Infantry

1. **PURPOSE**: The purpose of this Range is to conduct Stryker Qualification/Gunnery at Carmouche Range in order to train Stryker Soldiers on the capabilities of the infantry Carrier Vehicle and gunnery process

2. **TRAINING OBJECTIVES**: Weapons and Ammunition used.
   a. M2 mounted on Stryker RWS .50 Cal Ball/TCR link
   b. MK19 mounted on Stryker RWS 40 mm TPT: M385I, M918
   c. Lasers- STORM LRF

3. **LASER SAFETY**: 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.**

4. **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.

5. **INCIDENT**: When an incident occurs on the range, regardless of injury or not, the OIC/RSO will immediately call a self imposed check 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

6. **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.

7. **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.

8. **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.

9. **CONCEPT OF TRAINING**: The operation will be conducted in three phases.

a. **Phase I-PREPARATIONS**: The Soldiers will be trained on the Embedded Trainer Computer and Remote Weapon Station Skills Test prior to going to the range. All platoon equipment will be inspected for serviceability and safety prior to training. All vehicles will be properly dispatched, and all support requests will be completed and confirmed. Coordination will also be made with Range Control to ensure all issues are addressed before the training is conducted.

b. **Phase II-GUNNERY**: The Qualification/Modified will be conducted in three parts:

(1) Occupation of the Range - The Branch will conduct movement to Carmouche Range and move to the designated assembly areas. Vehicles not being used for Qualification/Gunnery will be staged at the Motor pool. Soldiers will first move to the Stryker's to start live fire. Upon completion of firing Soldiers will move to the range shack for the AAR as shown in the range sketch. The BN S-3 will ensure targets are in working order. The OIC will coordinate with target systems to inspect all targets and ensure they are protected from any firers. The OIC/RSO will ensure there is good communications with the target operator, and that he fully understands the desired scenario. Movement to and from firing points will only be conducted once cleared by range safety at the firing point and the tower. Zero will be conducted once the crew and vehicles are given permission from the safety at the firing point they are assigned. The M2 .50 Cal HBMG /MK19 GMG will be used on this range and only approved targets will be engaged (see weapon/ammo enclosure).

(2) Gunnery Training: Each crew will conduct qualification Gunnery IAW Stryker qualification gunnery FM 3-22.3. The Gunnery will begin and end on VTCE baseline with one Stryker at a time going down on the course road engaging designated targets for that lane (see enclosure) and will consist of engaging targets from the left half of the VTCE baseline, BP's 1-5 and VTCE firing points 1-3. Multiple Stryker firing will be done only from the baselines and not on the course roads. M2.50 cal will be shot first, when the crew has engaged their last target, they will place all weapons systems on safe. The vehicle mounted with MK19, will proceed to the authorized FP(see attached FP). Once they have been cleared off the range by the RSO, they will keep their weapons up and down range and return to the base line where they will be cleared again by the RSO after final clearing they will move to the holding area and the next vehicle will begin their gunnery. The crew will take all commands from the tower (OIC/RSO), if communications are a problem a range safety will be with the vehicle crew conducting the gunnery. Once the weapons are locked and loaded proper range flags will be displayed on the vehicle and weapons will be kept up and down range at all times. No vehicle will leave their assigned firing point until they are cleared by the RSO or the appointed lane safety.

(3) Clear the Range- A detailed clean up of the range will be conducted once all training is completed. All equipment and trash brought to the range will be removed, and the proper closing codes will be obtained from Range Control. Any unexploded ordinance that is found will be marked and immediately reported to EOD and Range Control. A 100% sensitive items check will be done prior to leaving the Range.

c. **Phase III-RECOVERY**: Once the unit has been cleared from the range, the unit will return to the battalion area. A closing report must be submitted at the completion of training. A detailed recovery will be conducted as per the SOP. A detailed after actions review will be conducted as well.

10. **CONTROL MEASURES**: The cadre will ensure all personnel are clear of the SDZ prior to engagement. All training will be in accordance with the appropriate FM's, Battalion standards and SOP's, and Fort Benning regulations.

11. **RANGE CONSIDERATIONS**: The following will be employed while conducting training.

a. The range OIC and RSO will be present for all training.

b. All VEHICLE CREWS participating in the Gunnery will adhere to MCOE REG 350-19, and proper display of colored flags to signal weapons/ammunition status.

c. All weapons will remain on safe unless actively engaging targets. Only authorized targets will be used.

d. All ammunition will be discharged down range and within the designated limits. All unused ammunition will be turned in to the Ammo Supply Point, to the Ammunition NCO.

e. The range OIC and RSO will ensure that all Soldiers receive a detailed safety brief and that all training is conducted to standard.

f. All Soldiers will be briefed that any Soldier observing an unsafe act can immediately call a check/cease fire. Emergency cease fire signal will be briefed.

g. All Soldiers will be checked for brass and ammunition before the ASP issues ammunition to the section, and the OIC and RSO will ensure the proper ammunition is being issued. The RSO or safety will also ensure everyone is properly cleared on and off the lanes.

h. Personnel recovering M918 40mm TP projectiles will follow the procedures outlined in TB 9-1310-251-10. The use of protective goggles or face shield, gloves, and tongs while handling M918 TP rounds is mandatory. RSO/OIC will supervise this procedure. RSO/OIC must get clearance from the Fire Desk (Range Control) before moving down range to do the clean up. (If no personnel are trained, will request proper personnel through Range Control)

i. At no time will ammunition be fired over the heads of Soldiers.

j. Any UXO discovered will be reported to Range Control and EOD, and will be cleared prior to allowing maneuver through the area in which the UXO was found. All vehicles and personnel may have to leave the firing line.

k. All misfire procedures will be rehearsed before starting the lane. The O/C will ensure that the section fully understands the proper misfire procedures and safety checks before allowing them to start the lane.

l. Any issues during training will immediately be reported to Range Control and/or the chain of command.

m. All environmental considerations will be enforced.

n. Headspace and Timing for M2 will be checked and set prior to firing. (Enhanced M2 not required)

o. Personnel movement from the bleachers to the vehicles and back to the bleachers will be handled by the range NCOIC Soldiers will proceed in a straight line from the rear of the vehicle on and off the firing line.

p. No personnel are authorized forward of the firing line at any time during the conduct of the range.

q. All Soldiers will be in proper range uniform; Kevlar/Mich, Eye protection, Ear protection, Gloves and LBE/molle/kit.

r. No smoking around ammo pad or anywhere else on the range is acceptable, unless in the designated smoking area.

s. All personnel will obey and abide by the Fort Benning Guidance on environmental and wildlife safety.

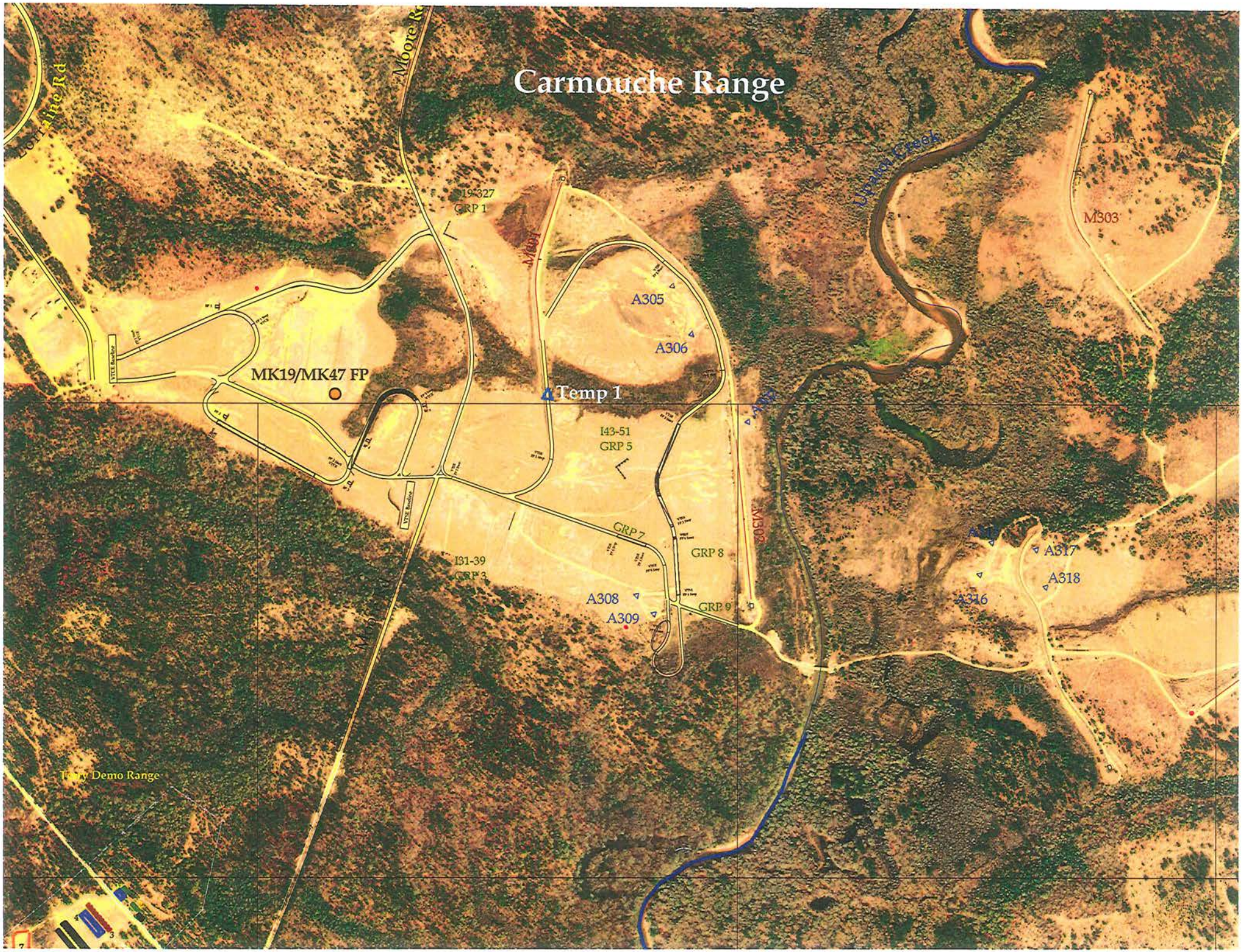
12. The POC for this memorandum is SSG (P) Stegemann, SBIC 1/29 IN Stryker Branch Chief at 544-7394.

Travis B. Stegemann
SSG (P), US Army
Stryker Branch Chief

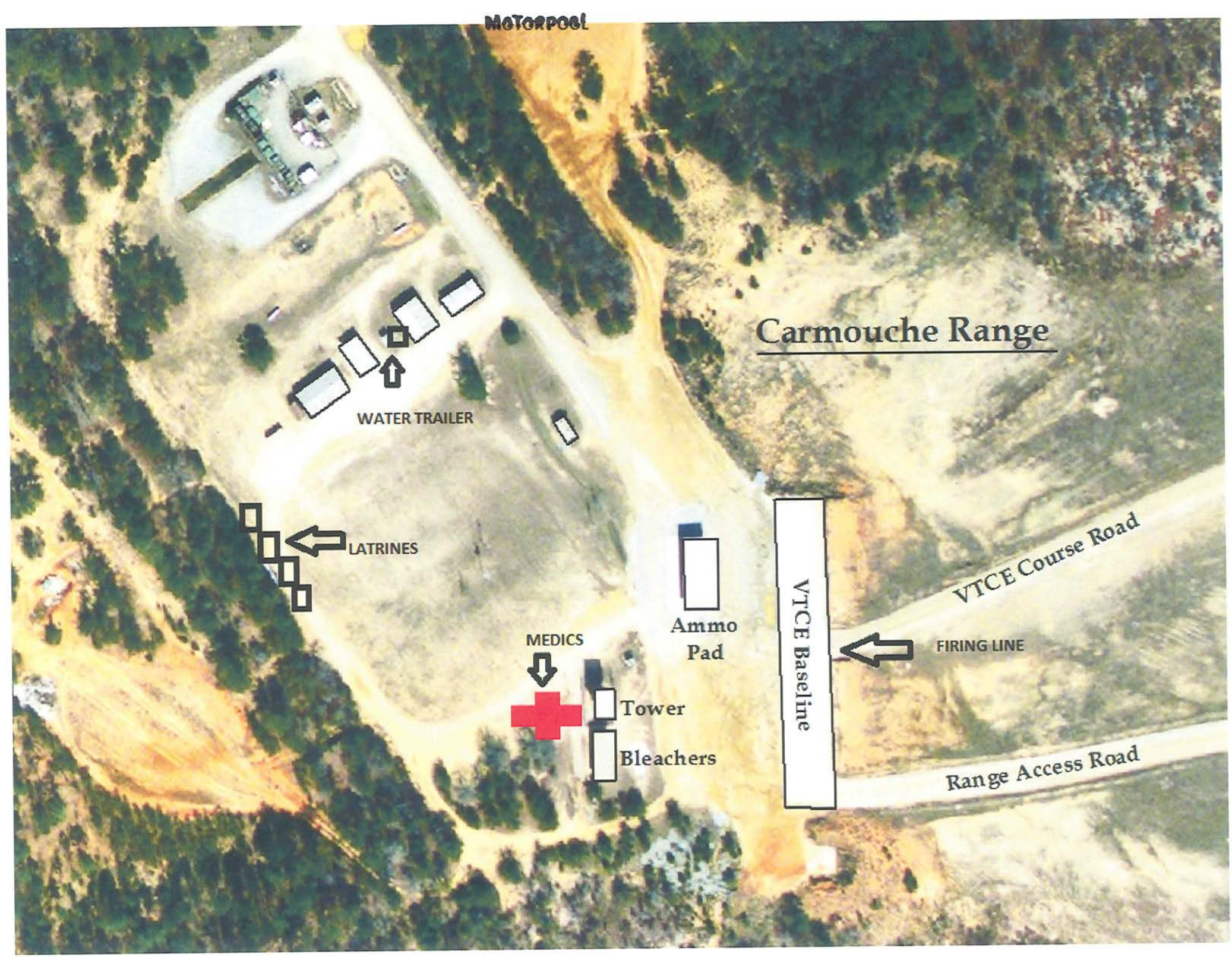
Carmouche Range, 1/97th (/29th IN) STRYKER Qualification Weapon & Ammunition Enclosure					
Firing Point	**Weapon**	**Ammunition**	**Left Limit of Fire Mils (Grid Azimuth)**	**Right Limit of Fire Mils (Grid Azimuth)**	**Targets**
Left 1/2 VTCE Baseline GA1070 9514 to GA 1070 9509	M2	.50 cal Ball/Tracer, AP	1460	1740	A305, A306, A307, A313, A314.
VTCE FP1: Start GA 1075 9511 to Stop GA 1099 9516	M2	.50 cal Ball/Tracer, AP	1470	1730	A305, A306, A313, A314.
VTCE FP2: Start GA 1091 9496 to Stop GA 1113 9484	M2	.50 cal Ball/Tracer, AP	1200	1630	A306, A307, A313, A314 Right 1/2 M303.
VTCE FP3: Start GA 1119 9486 to Stop GA 1133 9501	M2	.50 cal Ball/Tracer, AP	1190	1670	A306, A307, A313, A314 Right 1/2 M303.
BP 1: GA 1092 9520	M2	.50 cal Ball/Tracer, AP	1430	1730	A305, A306, A313, A314, Right 1/2 M301, Right 1/2 M303.
BP 2: GA 1093 9497	M2	.50 cal Ball/Tracer, AP	1300	1640	A305, A306, A307, A313, A314, Right 1/2 M303.
BP 3: GA 1119 9483	M2	.50 cal Ball/Tracer, AP	1170	1700	A306, A307, A313, A314, A315, A317 Right 1/2 M303, Left 1/2 M302.
BP 4: GA 1123 9492	M2	.50 cal Ball/Tracer, AP	1220	1620	A306, A307, A313, A314, Right 1/2 M303.
BP 5: GA 1135 9500	M2	.50 cal Ball/Tracer, AP	1130	1660	A305, A306, A307, A313, A314, M303.

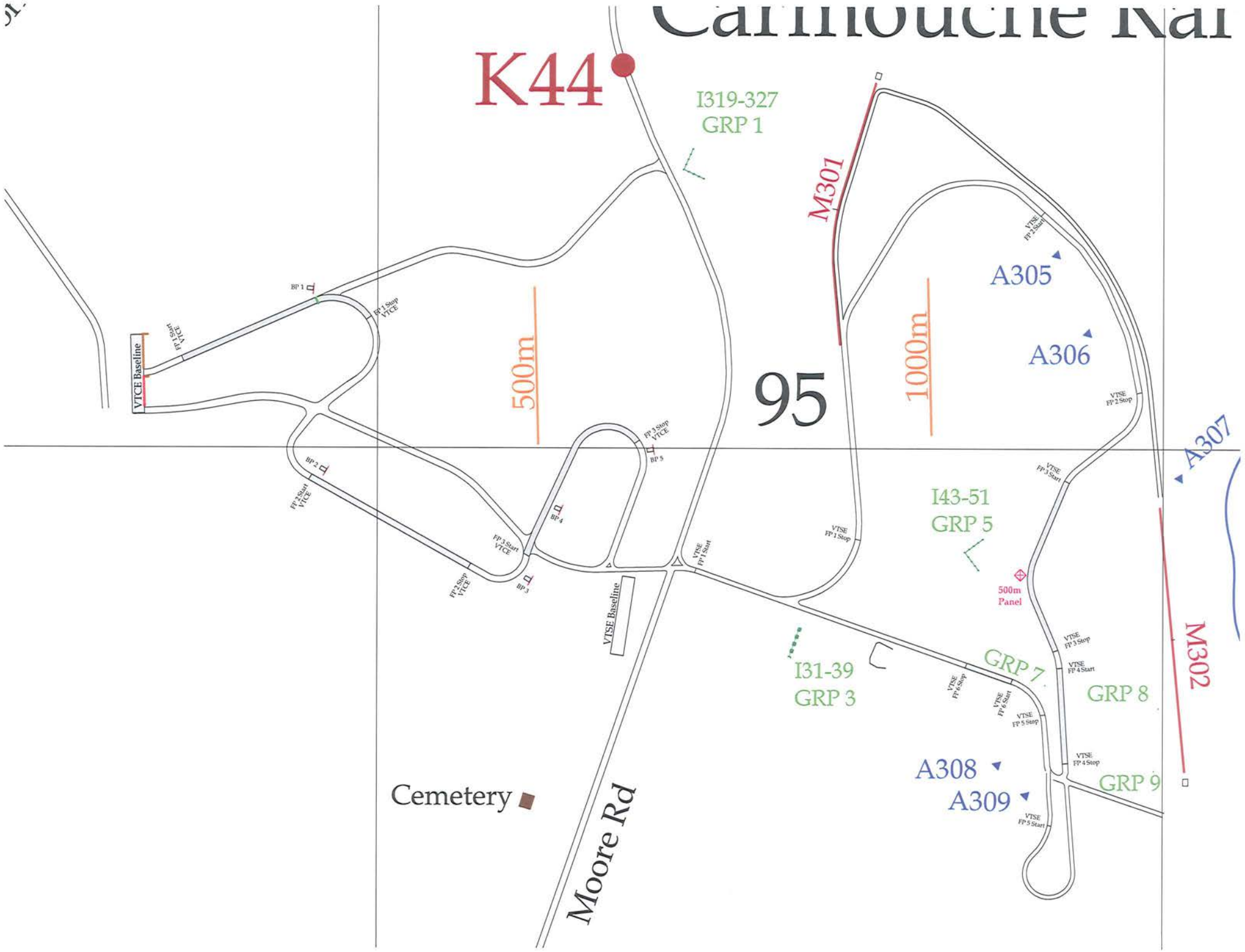
Carmouche Range, 1-29 STRYKER Qualification MK19 Weapons/Ammo/Target List Enclosure (Log #3-13-13)				
Firing Positions	**Weapons**	**Ammunition**	**Left Limit, Mils Grid Azimuth**	**Right limit, Mils Grid Azimuth**
GA 1116 9502	MK19/MK47	40mm TP	1265	2275

Target	**Distance Meters**	**Target**	**Distance Meters**	
A305	741	A318	1536	
A306	755	TEMP 1	438	
A307	862	GROUP 5	605-628	
A308	755	GROUP 3	449-460	
A309	807	GROUP 7	759	
A315	1404			
A316	1396			
A317	1498			

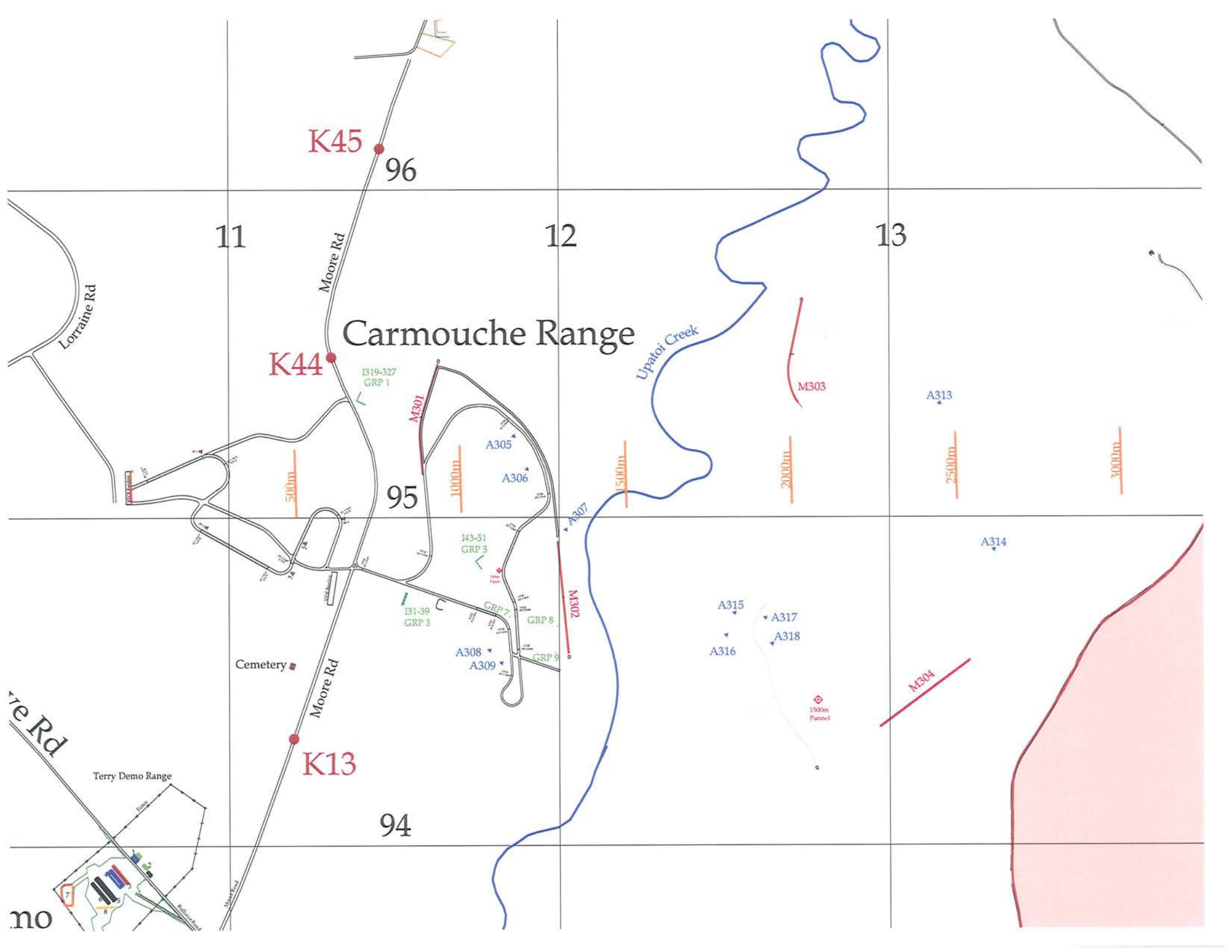


Carmouche Range
Moore Rd
Lorraine Rd
Upatoi Creek
M303
A305
A306
MK19/MK47 FP
Temp 1
I43-51
GRP 5
GRP 7
GRP 8
GRP 9
I31-39
A308
A309
A317
A318
A316
Demo Range


MOTORPOOL
Carmouche Range
WATER TRAILER
LATRINES
MEDICS
Ammo Pad
Tower
Bleachers
VTCE Baseline
FIRING LINE
VTCE Course Road
Range Access Road



K44
I319-327
GRP 1
M301
A305
A306
A307
500m
1000m
95
VTCE Baseline
BP 1
FP 1 Start VTCE
FP 1 Stop VTCE
BP 2
FP 2 Start VTCE
FP 2 Stop VTCE
BP 3
FP 3 Start VTCE
BP 4
FP 3 Stop VTCE
BP 5
VTSE Baseline
VTSE FP 1 Start
VTSE FP 1 Stop
VTSE FP 2 Start
VTSE FP 2 Stop
VTSE FP 3 Start
I43-51
GRP 5
500m Panel
VTSE FP 3 Stop
VTSE FP 4 Start
VTSE FP 4 Stop
VTSE FP 5 Start
VTSE FP 5 Stop
VTSE FP 6 Start
VTSE FP 6 Stop
GRP 7
GRP 8
GRP 9
M302
I31-39
GRP 3
A308
A309
Cemetery
Moore Rd


K45
96
11
12
13
Moore Rd
Lorraine Rd
Carmouche Range
K44
I319-327
GRP 1
M301
A305
A306
500m
1000m
95
1500m
Upatoi Creek
M303
2000m
A313
2500m
3000m
A307
I43-51
GRP 5
M302
A314
A315
A317
A318
A316
I31-39
GRP 3
GRP 7
GRP 8
GRP 9
A308
A309
Cemetery
M304
1500m
Pannel
K13
Terry Demo Range
94
Moore Road
Rollins Road

Carmouche Range 1-29 STRYKER Qualification Log #3-13-13 Roadblocks 20 July 2013

#	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-4	GA 144 901	Across entrance road leading to Hartell Bunkers 50m N. its of 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-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
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 intersection 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)*
SLC/Strykery Master Trainer Course Carmouche Range	280600AUG2013	302359AUG2014	20130326

4. PREPARED BY		
a. LAST NAME	b. RANK	c. POSITION
Moses	SSG	Stryker Master Trainer Course Instructor/Writer

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?
Range Operations	Daily Range Operations	H	1. Read and review risk assessment Update the risk assessment daily with consultation between cadre and chain of command. 2. Ensure CLS and medevac vehicle are	M	MCoE Reg 350-19 Range and Terrain AR 385-10 MCoE PM 385-6-14	RSO OIC CLS Medics	
			present. a. On-site coverage. Inventory CLS Bag and check operational readiness prior to 1st day of range operation. Ensure medics have a bee		FM 5-19 1/29 IN Unit SOP	Buddy Team Individual	
			sting kit. Request and restock as necessary. b. Area coverage. Make face-to-face coordination with CLS. Review route to range (issue strip map if needed), conduct a commo				
			check (FM or handheld), and follow guidelines in paragraph a. CLS will brief route to next higher care. c. Review strip map to care facility AXP.				
			Review "9 Line Medevac Procedures". Brief all personnel where the helicopter landing site. 3. RSO will identify Soldiers with medical problems that have the potential to impact				
			training. This includes minor illesses, allergies, previous heat or cold weather injuries, or any other problems. Previous heat or cold weather injuries or those with severe allergies				

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
SUROWIEC	LTC	BATTALION 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?
			will be marked with engineer tape on the left IR Velcro cover on the left shoulder of ACU top.				
	1. Soldier Suffers a Heat Illness During Training	H	1. NCOIC will monitor the wet bulb and keep OIC and Range MT informed of heat category. Previous heat injuries will be marked with red tape or engineer tape on the left sleeve of the	M	MCoE Reg 350-19 Range and Terrain AR 385-10 MCoE PM 385-6-14	RSO OIC CLS Medics	
			ACU. 2. Once in the vehicle; the crew will not exceed the work limits dictated by the Heat Category.		FM 5-19 1/29 IN Unit SOP	Buddy Team Individual	
			Heat Categories will be enforced as follows: Heat Category 1 WBGT Index: 78-81.9 F Water intake: 1/2 quart/hour (minimum)				
			"Easy work: 1/2 qt./hr. no limit to work/rest ratio." "Moderate work: 1 qt./hr. no limit." "Hard work: 1 qt./hr, 40 min work/20 min rest."				
			Heat Category 2 WBGT Index: 82.0-84.9 F "Easy work: 1qt./hr, no limit." "Moderate work: 1 qt./hr, no limit."				
			"Hard work: 1 qt./hr, 30 min work/30 min rest." Heat Category 3 WBGT Index: 85.0-87.9 F "Easy work: 1 qt./hr, no limit."				
			"Moderate work: 1 qt./hr, no limit." "Hard work: 1 qt./hr, 30 min work/30 min rest." Heat Category 4 WBGT Index: 88.0-89.9 F				
			"Easy work: 1 qt./hr, no limit." "Moderate work: 1.25 qt./hr, 30/30." "Hard work: 1.25 qt./hr, 20/40." Heat Category 5				
			WBGT Index: 90 F and above. "Easy work: 1 qt./hr, no limit." "Moderate work: 1.25 qt./hr, 30/30." "Hard work: 1.25 qt./hr, 15/45."				

RCJC

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?
			3. Heat casualties will be treated as needed by the medic on site and may be evacuated via evac vehicle or air MEDEVAC. During Heat Cat 3 and above all firing vehicles hatches				
			(except the driver) will be in the pop lock position and safety-locking lever will be in the lock position.				
			4. VCE's will have water with them while evaluating a crew. Before the crew begins the course, the VCE will maximize his time in the shade.				
			VCE's will refill during AAR periods. VCE's will eat 3 meals each day 5. Students in the turret will have water accessible to them at all times while they are				
			waiting to go downrange. As crewmembers wait, the ramp will remain down and the driver's hatch will be open. Each crewmember will have a minimum of one qt of water at all				
			times. In addition, each crew will have a minimum of one five gallon jug of water on the back of each firing vehicle.				
			6. The NCOIC of the range will be responsible for verifying that the crews are adhering to the guidelines as stated above. When a vehicle is down range the VCE will ensure all members				
			on the vehicle are consuming water at all times and report any heat situations to the tower. Students and crew members waiting to enter the vehicles will stay in the shade and drink				
			water. A water buffalo will remain accessible at all times. In the event that a water buffalo is not present, there will be additional water stored at the control vehicle.				
	2. Soldier Suffers a Cold Illness During Training	M	1. NCOIC will monitor the cold weather conditions and keep OIC and Range MG	L	MCoE Reg 350-19 Range and Terrain AR 385-10 MCoE PM 385-6-14	RSO OIC CLS Medics	

ITEMS 5 THROUGH 12 CONTINUED:

5. SUBTASK	6. HAZARDS	7. INITIAL RISK LEVEL	8. CONTROLS	9. RESIDUAL RISK LEVEL	10. HOW TO IMPLEMENT	11. HOW TO SUPERVISE (WHO)	12. WAS CONTROL EFFEC-TIVE?
			informed of cold weather situations. Previous cold weather injuries will be marked with red tape on the left sleeve of the ACU. 2. Cold weather casualties will be treated as				
			needed by the CLS or Medic on site and may be evacuated via evac vehicle or air MEDEVAC. There will be a warming tent setup; the tent will be usedfor rotating				
			personnel in and out to keep warm IAW the weather report.				
	2. Soldier Suffers a Hearing or Eyesight Injury	M	RANGE NCOIC OR SAFETY OFFICER WILL:	L	MCoE Reg 350-19 Range and Terrain AR 385-10 MCoE PM 385-6-14	NCOIC OIC MEDICS CLS	
			1. Brief Soldiers on the dangers of low-hanging branches. 2. Ensure all Soldiers wear single hearing protection (CVC or earplugs).		FM 5-19 1/29 IN Unit SOP	RSO	
			3. Ensure extra hearing protection is available. 4. CADRE/VCE will ensure Soldiers are wearing hearing protection while maneuvering downrange.				
	3. Soldier Struck by Lightning	H	OIC OR SAFETY OFFICER WILL: 1. Suspend all training during eletrical storms or IAW the Battalion Storm Plan	M	MCoE Reg 350-19 Range and Terrain AR 385-10 MCoE PM 385-6-14	NCOIC OIC MEDICS CLS	
			2. Brief Students on electrical storm plan and point out location for evacuation and accountability 3. Ensure instructors understand their		FM 5-19 1/29 IN Unit SOP	RSO	
			individual responsibilities in case of an electrical storm. INSTRUCTORS WILL: 1. Ensure that Students ground their individual				
			equipment and don their wet weather gear. 2. Ensure that all Students move IAW the electrical storm plan. Take accountability of all Students once there.				

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?
			ADDITIONAL INFORMATION FOR ELECTRICAL STORMS IS ATTACHED.				
	4. Soldier bitten or stung by snakes or insects	M	1. Brief Students of the various types of hazrdous wildlife and instruct Students not to handle or harass the wildlife 2. Identify Soldiers who are allergic to insects.	L	MCoE Reg 350-19 Range and Terrain AR 385-10 MCoE PM 385-6-14	NCOIC OIC MEDICS CLS	
			Ensure that those soldiers have equipment to remedy themselves (bee sting kits, etc.) . Soldiers with severe allergies are marked with white engineer tape with red X.		FM 5-19 1/29 IN Unit SOP	RSO Battle Buddy Individual	
			3. Brief All Wildlife to be left alone Additional instructions and supervision				
	5. Soldier Injured by Falling or Tripping off a Vehicle	H	RANGE NCOIC OR SAFETY OFFICER WILL: 1. Brief Students on tripping hazards, i.e. rocks, branches, etc.	M	MCoE Reg 350-19 Range and Terrain AR 385-10 MCoE PM 385-6-14	NCOIC OIC MEDICS CLS	
			2. Brief Students to maintain 3 points of contact while on the vehicle. 3. CADRE will ensure Students will maintain 3 points of contact while on the vehicle				
	6. Soldier injured lifting ammunition or equipment	M	Additional supervision 1. Range OIC/RSO will identify the hazard during the safety briefing. 2. Personnel will work in groupd and use	L	MCoE Reg 350-19 Range and Terrain AR 385-10 MCoE PM 385-6-14	NCOIC OIC MEDICS CLS	
			proper lifting techniques. Additional instruction and supervision		AR 385-63	RSO Battle Buddy Individual	
	7. Soldier Injured by a Negligent discharge of weapon or weapon malfunction	H	Limit on weapon system orientation to reduce effects. 1. Safety briefing will address possibility of accidental discharge or weapon malfunction.	M	MCoE Reg 350-19 Range and Terrain AR 385-10 MCoE PM 385-6-14	NCOIC OIC MEDICS CLS	
					AR 385-63	RSO Battle Buddy Individual	

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?
			2. Range OIC will designate an RSO who will ensure that all weapons are cleared prior to leaving the firing position and range. 3. All cadre will be weapon system				
			qualified. 4. Cadre will ensure proper maintenance and services of weapons are conducted.				
			5. Cadre will be on site during all firing. 6. FLA and CLS will be on site at all times during firing.				
			7. Cadre (SCE) will ensure weapons are oriented downrange at all times. 8. Personnel trained on new MEDEVAC procedures.				
			9. Brief procedures on negligent discharge 10. Crew will be directed by line safety when to upload weapons systems				
	9. Soldier hit by a vehicle	H	1. RSO will identify the hazards during the safety briefing. He will point out areas where ground guides are required. 2. Soldiers will adhere to the posted speed limit	M	MCoE Reg 350-19 Range and Terrain AR 385-10 MCoE PM 385-6-14	NCOIC OIC MEDICS CLS	
			at all times. 3. Front and rear ground guides will be used in designated areas of the range.		FM 5-19 1/29 IN Unit SOP	RSO Battle Buddy Individual	
			4. VC's will ensure correct following distances are maintained. 5. Ground guides during darkness will use chemlights or flashlights to guide vehicles.				
			Ground guides will remain appropriate distances from vehicle. day or night. Additional instruction and supervision				
	10. Hatch closes on Soldier	M	1. Range OIC will address the hazards during the safety briefing. 2. All Soldiers will be familiar with hatch operation prior to deploying to the range	L	MCoE Reg 350-19 Range and Terrain AR 385-10 MCoE PM 385-6-14	NCOIC OIC MEDICS CLS	

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?
			3. SCE's will ensure that hatches have all required safety pins and that they are operational. Additional instruction and supervision				
	11. Vehicle rolls over on Soldier	H	Utilize permanent roads and tank trails. Limit speeds. Route recon to verify road conditions 1. Range OIC will address the hazard in his	M	MCoE Reg 350-19 Range and Terrain AR 385-10 MCoE PM 385-6-14	NCOIC OIC MEDICS CLS	
			safety briefing and will reiterate the rolloever drill. 2. Vehicles will be only driven on flat range surfaces. These must be cleared by the RSO.		FM 5-19 1/29 IN Unit SOP	RSO Battle Buddy Individual	
			3. All students will have rehearsed rollover drills prior to the range IAW the BN rollover policy. 4. Range OIC will ensure students and drivers				
			are familiar with the course road. 5. Range OIC or RSO will recon the entire course road to ensure suitability and identify the hazards.				
			6. VC will have commo at all times with the driver Additional instruction and supervision				
	12. Vehicle strikes another vehicle.	M	1. Range OIC or RSO will identify the hazards in his safety briefing. 2. Soldiers will ground guide vehicle. 3. Cadre will ensure vehicle seperation is	L	MCoE Reg 350-19 Range and Terrain AR 385-10 MCoE PM 385-6-14	NCOIC OIC MEDICS CLS	
			maintained at all times. 4. Barrels will be placed to 3 elevation when passing another vehicle. 5. Vehicles will keep a minimum distance of 50		FM 5-19 1/29 IN Unit SOP	RSO Battle Buddy Individual	
			meters between each other while on miovement during periods of clear/unrestricted visibility. 6. Vehicles will keep a minimum distance of 100 meters between each other during periods				
			of limited visibility. 7. Cadre, VC's or Drivers will halt movement when visibility conditions are severely restricted, and service drives will be used.				

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?
	13. Firing incorrect ammuntion for the Stryker	M	(DUST/WHITEOUT CONDITION) 1. Match actual ammuntion on the ground by DODIC to DA-581 and range requirement. 2. Ensure all ammuntion fired is annotated on	L	MCoE Reg 350-19 Range and Terrain AR 385-10 MCoE PM 385-6-14	NCOIC OIC MEDICS CLS	
			FB Form 465 Firing/Non-Firing Data: .50 cal Ball/Tracer Link 40mm TP Link				
	14. Ramp crushed Soldier	H	Additional instruction and supervision 1. Range OIC will address the hazard during the safety briefing.	M	MCoE Reg 350-19 Range and Terrain AR 385-10 MCoE PM 385-6-14	NCOIC OIC Medics CLS	
			2. All Soldiers will be familiar with ramp operations prior to deploying to the range. 3. Ground guides and VC's, or Drivers will ensure that ramp is clear before raising and		FM 5-19 1/29 IN Unit SOP	Individual	
			lowering. 4. Drivers will only raise and lower when directed. Additional instruction and supervision				
	15. Soldier hits head or is struck by equipment in crew compartment.	H	1. Range OIC or RSO will cover safety procedures during safety briefing. 2. VC's will ensure all equipment is properly stowed and secured.	M	MCoE Reg 350-19 Range and Terrain AR 385-10 MCoE PM 385-6-14	NCOIC OIC MEDICS CLS	
			3. VC's will ensure that all Soldiers wear seatbelts and ACH/CVC at all times. ADDITIONAL INSTRUCTION AND INCREASED SUPERVISION		FM 5-19 1/29 IN Unit SOP		
	16. Soldiers crushed by vehilcle.	H	Use of reflective markers and lights to control movement. 1. RSO will identify the hazard during the safety briefing. He will point out areas where	M	MCoE Reg 350-19 Range and Terrain AR 385-10 MCoE PM 385-6-14	NCOIC OIC MEDICS CLS	
			ground guides are required. 2. Soldiers will adhere to course speed limits at all times. Instructors will ensure this occurs. 3. Front and rear ground guides will be used		FM 5-19 1/29 IN Unit SOP		
			in designated areas of the range. 4. VC's will ensure correct following distances are maintained. 5. Ground guides during darkness will use				

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?
			chemlights or flashlights to guide vehicles. Ground guides will remain appropriate distances from vehicles, day and night. 6. Admin areas will be away from vehicle				
			lines and movement areas. 7. Mark troop areas with engineer tape, day and night. Proper clearing and remedial action for .50 cal/				
			MK19.				
	17. Student shooting a round outside the range fan.	M	1. There will be an instructor in the Stryker with the students at all times. a. Before firing any weapon system the instructor will ensure that the student is on the	L	MCoE Reg 350-19 Range and Terrain AR 385-10 MCoE PM 385-6-14	NCOIC OIC Medics CLS	
			target. b. Instructor will put the student through vigorous crew checks which include identifying the left and right range markers in both day		FM 5-19 1/29 IN Unit SOP	Individual	
			and night sights. c. Master Trainer, along with the RSO will verify that range limits are identifiable from both the Stryker and by the naked eye from each				
			firing point. d. Master Trainer will work with Range Control to ensrue that the range markers have thermal panels that are working correctly.				
			e. The Stryker will be marked at night using a blue chemlight on the front of the RWS to show proper RWS orientation.				
	18. Soldier Conducts Unsafe Acts During Familiarization Fire	M	1. The Stryker vehicle fires only within the firing position then switches to Electrical/Manual Safe after engagements. 2. Cadre/SCE rides in the Stryker	M	MCoE Reg 350-19 Range and Terrain AR 385-10 MCoE PM 385-6-14	NCOIC OIC Medics CLS	
			3. Zeroing adn proofing the range performed by the cadre followed by safety brief. 4. Berm drills are conducted during engagements only.		FM 5-19 1/29 IN Unit SOP	Individual	

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?
			5. Completion of Stryker firing, weapons system are put on Electrical/Manual Safe. Cleared by the RSO.				
			6. Crews will identify left and right limits of the range fans. 7. Identify left and right limits of range for each crew during night fire.				
			8. Limit traffic on/or around firing line. 9. Mark front of RWS with chemlights to identify turret orientation during night fire.				

RECORD OF ENVIRONMENTAL CONSIDERATION (REC)

IMCOM
SOLDIERS • FAMILIES • CIVILIANS

Date Submitted: 8/17/2012

EMD Number: 1223002 **Project#:** Unknown **Project Title:** TANK, BRADLEY, and WHEELED GUNNERY

Description of proposed action:

TANK, BRADLEY, AND WHEELED GUNNERY WILL BE CONDUCTED ON CARAMOUCHE AND DMPRC RANGES ALONG WITH SUPPORT OPERATIONS OFF-RANGE. D-01, ROWAN HILL, AND O-09 WILL BE USED AS STAGING AREAS FOR EXCESS PERSONNEL AND VEHICLES. Other information to be added/edited is attached and specified in BOLD. In that attachment, additional land is specified intent, AMMO, and understanding of training. (See attachment for additional information)

Project Location:

CARAMOUCHE RANGE, DIGITAL MULTI-PURPOSE RANGE COMPLEX (DMPRC), D01, ROWAN HILL, O09

Amount, Description, Location of Disturbance/Digging:

None

Number of Personnel:

300

Type of Ammunition:

120MM, 25MM, .50 CALIBER, 40MM, 7.62MM, 5.56MM Live and Blank

Number/Types of Trees:

None

Size of Project Area: 10KilometersKilometers

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

Proponent: charles.labare 706-544-4006

Organization/Unit: 2/69 AR, 3 BDE, 3 ID

Number/Types of Vehicles:

Number of vehicles: 32 M1A2 ABRAMS TANK
Number of vehicles: 32 M2 BRADLEYS
Number of vehicles: 20 HMMWVS
Number of vehicles: 8 M113
Number of vehicles: 3 M88
Yes-Vehicles will be going off road.
What type of vehicles will be going off road: M1A2 ABRAMS, M2 BRADLEYS, HMMWVS, M113

****

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

Natural Resources RCW - BRAC Conditions: **Jonathan Neufeldt (706 544 7705), 8/27/2012**

Based on possible locations of training (see attached PPT file from proponent named ENVIRONMENTAL INFO), the RCW cluster located in F05 will be the cluster that is most vulnerable to disturbance. Unit/units must adhere to training restrictions related to training in or near RCW clusters/cavity trees or within RCW foraging partition. Read attachments 144R EMD Number 1223002 Tank-Bradley FTX, F05 RCWs 2011, RCW-Training Restrictions 1996 Guidelines and EMD Number 1223002 Tank-Bradley FTX RCW Cluster Compartment Map. Contact Jonathan Neufeldt (706-544-7705) for questions.

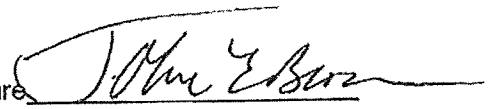
EMD Number: 1223002 **IJO#** Unknown **Project Title:** TANK, BRADLEY, and WHEELED GUNNERY

Natural Resources - Wetlands Conditions: **Gary Hollon (706 544 7070), 8/17/2012**

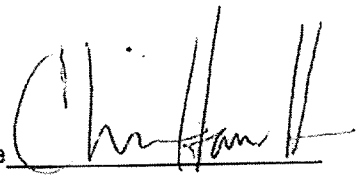
If there are any impacts to wetlands or streams a USACE wetland permit will be required. Contact the POC if there are any questions.

Noise Conditions: **Ellis Leeder (706 545 2400), 8/17/2012**

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

Signature 

John E Brown
NEPA Program Manager
Date 28 AUG 2012

Signature 

Christopher E. Hamilton, PhD
Date 28 Aug 12

EPMB Chief

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: _____

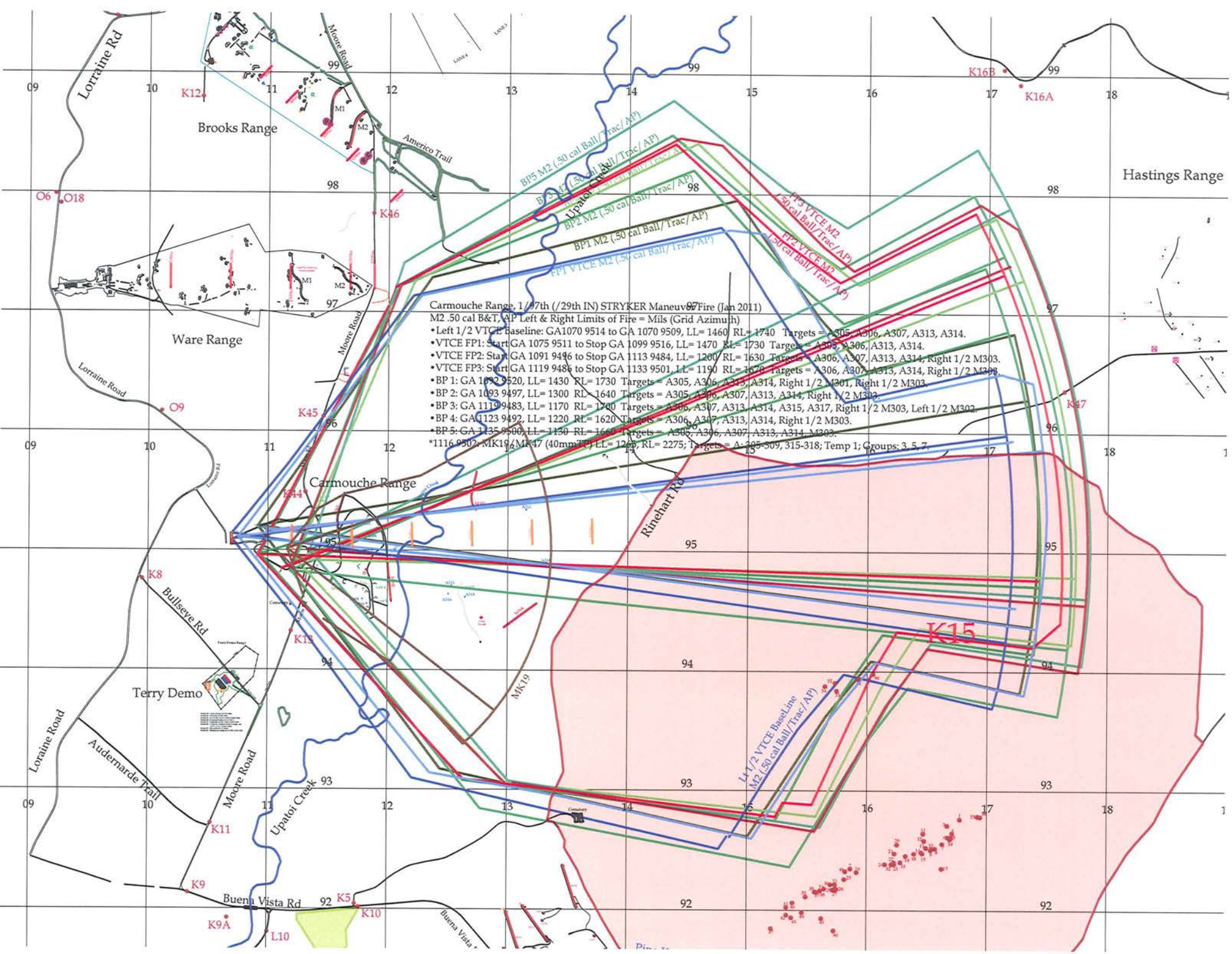
Training Area: _____

Grid Coordinates: _____

Date and Name: _____

Signature: _____

FB (DPW) Form 31, 1 May 2004 PREVIOUS EDITION OBSOLETE


Carmouche Range, 1/97th (/29th IN) STRYKER Maneuver Fire (Jan 2011)
M2 .50 cal B&T, AP Left & Right Limits of Fire = Mils (Grid Azimuth)
•Left 1/2 VTCE Baseline: GA1070 9514 to GA 1070 9509, LL= 1460 RL= 1740 Targets = A305, A306, A307, A313, A314.
•VTCE FP1: Start GA 1075 9511 to Stop GA 1099 9516, LL= 1470 RL= 1730 Targets = A305, A306, A313, A314.
•VTCE FP2: Start GA 1091 9496 to Stop GA 1113 9484, LL= 1200 RL= 1630 Targets = A306, A307, A313, A314, Right 1/2 M303.
•VTCE FP3: Start GA 1119 9486 to Stop GA 1133 9501, LL= 1190 RL= 1670 Targets = A306, A307, A313, A314, Right 1/2 M303.
•BP 1: GA 1092 9520, LL= 1430 RL= 1730 Targets = A305, A306, A313, A314, Right 1/2 M301, Right 1/2 M303.
•BP 2: GA 1093 9497, LL= 1300 RL= 1640 Targets = A305, A306, A307, A313, A314, Right 1/2 M303.
•BP 3: GA 1119 9483, LL= 1170 RL= 1700 Targets = A306, A307, A313, A314, A315, A317, Right 1/2 M303, Left 1/2 M303.
•BP 4: GA 1123 9492, LL= 1220 RL= 1620 Targets = A306, A307, A313, A314, Right 1/2 M303.
•BP 5: GA 1135 9500, LL= 1130 RL= 1660 Targets = A305, A306, A307, A313, A314, M303.
*1116 9502 MK19/MK47 (40mm TP) LL= 1222, RL= 2275; Targets = A-305-309, 315-318; Temp 1; Groups: 3, 5, 7.
BP5 M2 (.50 cal Ball/ Trac/ AP)
BP4 M2 (.50 cal Ball/ Trac/ AP)
BP3 M2 (.50 cal Ball/ Trac/ AP)
BP2 M2 (.50 cal Ball/ Trac/ AP)
BP1 M2 (.50 cal Ball/ Trac/ AP)
FP1 VTCE M2 (.50 cal Ball/ Trac/ AP)
FP3 VTCE M2 (.50 cal Ball/ Trac/ AP)
FP2 VTCE M2 (.50 cal Ball/ Trac/ AP)
1 1/2 VTCE BaseLine M2 (.50 cal Ball/ Trac/ AP)
MK19
Lorraine Rd
Brooks Range
Americo Trail
Moore Road
Upatoi Creek
Hastings Range
Ware Range
Lorraine Road
Carmouche Range
Rinehart Rd
K15
Bullseye Rd
Terry Demo
Audernarde Trail
Buena Vista Rd
K12
K16B
K16A
O6
O18
K46
O9
K45
K47
K44
K8
K13
K11
K9
K9A
K5
K10
L10