

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: 22 July 2013
Range: Griswold Range
Title: BRM / ARM Marksmanship Training (Steel Targets)
Problem No:

Log# **8-2-13**

THRU: 316th Cavalry BDE

FROM: 2-16th Cavalry SQD-S3

SECTION I, TYPE OF TRAINING

a. Live Fire b. Non-live Fire CP/Controller Coordinates: FA 9778 7467

SECTION II, DEMOLITIONS/GRENADES/MINES/PYROTECHNICS

Coordinates	Type	Model/DODAC	Size of Charges
NA			

SECTION III, WEAPONS/AMMUNITION REQUESTED

Coordinates of Weapons Position	Type Weapon/Model Number	Type Ammunition	Left Limit	Right Limit
Start: FA 9777 7467 to FA 9779 7466 Stop: FA 9782 7486 to FA 9785 7486	M16A4 M4 M68/PAC-4 / PEQ-2 / PEQ-15	5.56MM Ball/Blank LASER Aiming Devices	0220 Mils 0220 Mils	0320 Mils 0320 Mils

SECTION IV, LIVE FIRE EXERCISES Attach the following:

SECTION V, NON-LIVE FIRE TRAINING

<input checked="" type="checkbox"/> Scenario of training to be conducted:	<input type="checkbox"/> Training area(s) to be occupied:
<input checked="" type="checkbox"/> Sketch of area:	<input type="checkbox"/> Scenario of training to be conducted:
<input checked="" type="checkbox"/> Risk Assessment:	<input type="checkbox"/> Sketch of area(s) to be occupied:
<input type="checkbox"/> Attach FB Form 350-19-2-E-R if Mortar or artillery is being fired:	<input type="checkbox"/> Risk Assessment:

Name/rank of requesting officer:

Boutin, Peter J. / GS7

Peter J. Boutin

Name/rank of Major Unit S3/Commander:

James, Nicholas M. / CPT / SQD S3

Nicholas M. James III CPT S3

SECTION VI, FOR RANGE DIVISION USE

DATE: **5 September 2013**

TO: 316th Cavalry BDE

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

- a. Roadblocks to be closed:
- b. Road(s) to be closed/road barrier locations:
- c. Remarks:
- d. This approval expires: **4 Sep 15**

SEE ROAD BLOCKS ENCLOSURE.

This packet requires a current approved waiver for steel target engagements. LASER warning signs will be posted prior to Griswold Range receiving an opening code.

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

Peter J. Boutin



DEPARTMENT OF THE ARMY
2ND SQUADRON, 16TH CAVALRY BRIGADE
316TH CAVALRY BRIGADE, US ARMY ARMOR SCHOOL
BLDG 5144, 13TH ARMORED REGIMENT ROAD
FORT BENNING, GA 31905

REPLY TO
ATTENTION OF:

ATZK-SBB

25 October 2012

MEMORANDUM FOR RECORD

SUBJECT: Concept of Operation for Griswold Range with Steel Targets

1. Purpose: The purpose of the training is to teach marksmanship instruction skills to qualified ABOLC instructors by conducting zero, basic/ advanced rifle marksmanship (BRM/ARM), from 25 to 300 meters. Instruction will be provided by non-DOD contracted civilian instructors from the Wexford Group. This training incorporates guided practice and after-action-reviews by senior Soldier. Training will be conducted in accordance with appropriate U.S. Army and Fort Benning regulations.
2. REFERENCES:
 - a. AR 385-63, Range Safety, 30 Jan 2012.
 - b. DA PAM 385-63, Range Safety, 30 Jan 2012.
 - c. MCoE Regulation 350-19, Installation and Terrain Regulation, 23 Jul 2010.
 - d. TRADOC Reg 385-2, TRADOC Safety Program, 6 Dec 2011.
3. GENERAL:
 - a. Griswold range is a multi-purpose live-fire range used by Fort Benning agencies. Soldiers will train and fire under controlled conditions at all times. During training, a line official gives all firing commands. At the conclusion of the exercise, the Soldiers will approach the SR1 paper targets to observe the effect but not until the firing line is clear, weapons on safe, and instructed by the safety officials to move down range.
 - b. Soldiers will fire from fixed firing points ALT positions at the 25 meter, 100-meter and 200-meter, and 300 meter lines. Each Soldier will remain at his respective firing position until that phase of training is complete. Target changes and target repairs will take place during cease-fire periods only.
4. SAFETY: Each Soldier will receive a verbal safety briefing and range orientation using the safety briefing script. No targets or personnel will proceed or be placed beyond the 300-meter line. Griswold range will facilitate one firing line of no more than 10 Soldiers per line. The Soldiers will remain generally on line during all courses of fire. Soldiers will only move down range to rehab targets/ get feedback once the RSO confirms that firing lines are "safe" and instructs firing line NCO to allow Soldiers to move forward. Soldiers will always wear ballistic eye and hearing protection when firing a weapon. Minimum steel target engagement range is 100 meters. All personnel, including non-DOD civilians in the Safety Zone will wear IBA, Ballistic Helmet, and Ballistic Eye Protection while steel targets are engaged. Soldiers not on the firing line will be located in an assembly area outside the Safety Zone.

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5. PRE-FIRING PROCEDURES:

- a. Unit must have a Medic with FLA or dedicated vehicle on site prior to commencement of live firing exercises.
- b. The four fundamentals of marksmanship apply for this program and will be briefed in depth. Soldier will receive instruction on weapons safety, weapons maintenance, weapons handling, ballistics, communications and range procedures prior to conducting live fire training. Safe weapons handling will be stressed throughout all courses of fire. All weapon bores are visually inspected prior to and at the conclusion of any live-fire training IOT ensure there are no barrel obstructions. CCO's (M68) are mounted IAW operator's manual and checked by a NCO. All PMI instruction and live-fire training courses of fire are IAW FM 3-22.9.
- c. The OIC will ensure all Soldiers complete the entire scenario in a dry or blank fire exercise prior to conducting the live fire exercise.
- d. The OIC will prepare the daily risk assessment worksheet and will modify the standard safety briefing as required to address any specific hazards that are not covered appropriately in the standard script. OIC will brief the left and right limit of the range so that firing will stay within the approved SDZ.
- e. The OIC will obtain an opening code from Range Control and will hang the red range flag prior to allowing the range to go "hot". The opening code and time will be recorded on the sheet provided in the front of the range book.

6. CONDUCT OF FIRING:

- a. In accordance with MCoE 350-19, Installations Range and Terrain Regulation, the Range Safety Officer (RSO) will control the firing by issuing the firing commands IAW Fort Benning regulations.
- b. The RSO will confirm that the OIC has opened the range with Range Control, that the range flag is displayed, and that continuous communications are maintained with Range Control before he calls the shooters to the line.
- c. The RSO will ensure that he has communications with range cadre.
- d. Only ABOLC students and cadre will fire weapons, personnel from the Wexford group will provide instruction only.

7. TRAINING CONDUCTED ON RANGE:

- a. Training will consist of the following courses of fire utilizing the M16 (all variants) and M4 carbine:
 - 1) 25 / 37 meter zero / grouping
 - 2) 100 meter grouping

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- 3) 4 position shoot
- 4) 200 meter zero / grouping
- 5) 300 meter shoot
- 6) 300-200-100 meter shoot
- 7) Night fire: co-witness lasers and sights, confirm zero
- 8) Scrambler Drill
- 9) Team Drill

8. 25 / 37- METER LINE ZERO AND GROUPING

- a. Fire 5 round groups from the prone position until the shot group can be identified and zeroed to 1 inch above the center of the target
- b. Shot group must be identifiable; there is no size requirement at 25 meters
- c. 8 clicks on the CCO will move the shot group 1 inch at 25 meters
- d. Bullet holes may be taped once iteration is complete
- e. SR-1 Paper targets will be used

9. 100- METER LINE ZERO AND GROUPING:

- a. Fire 5 round groups from the prone position until the shot group can be identified and zeroed.
- b. 2 clicks on the CCO will move the shot group 1 inch at 100 meters
- c. Bullet holes may be taped once iteration is complete.
- d. SR-1 Paper targets will be used

10. 4 POSITION SHOOT

- a. Engagement #1-On command, Soldiers will engage a 100 meter target from the 200 meter firing line while in the prone position. Once complete the Soldiers will place their weapons on safe and pointed to the ground and move on line as a group to the 225 meter firing line.
- b. Engagement #2- On command, Soldiers will engage a 75 meter target from the 225 meter firing line while in the sitting position. Once complete the Soldiers will place their weapons on safe and pointed to the ground and move on line as a group to the 250 meter firing line
- c. Engagement #3-On command, Soldiers will engage a 50 meter target from the 250 meter firing from the kneeling position. Once complete the Soldiers will place their weapons on safe and pointed to the ground and move on line as a group to the 275 meter firing line
- d. Engagement #4-On command, Soldiers will engage a 25 meter target from the 275 meter firing from the standing position. Once complete the Soldiers will clear their weapons and be checked by the line safeties.

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e Soldiers will complete each iteration as a group. Weapons will be placed on safe and pointed down range while moving into the next firing stance. Soldiers will follow all instructions given by the OIC/RSO.

f. SR-1 Paper targets will be used

11. 200 METER ZERO AND GROUPING:

- a. Fire 5 round groups from the prone position until the shot group can be identified and zeroed to the center of the target.
- b. 2 clicks on the CCO will move the shot group 1 inch at 200 meters
- c. Bullet holes may be taped once iteration is complete.
- d. SR-1 Paper targets will be used

12. 300 METER SHOOT:

- a. 300 Meter Shoot: Each Soldier will fire 10 rounds to witness bullet dropping 10 inches over the 300 meter distance. This will give Soldiers the confidence to effectively engage the 300 meter target during the remainder of the course.
- b. SR-1 Paper targets will be used. SR-1 Paper targets will be used.

13. 3 POSITION SHOOT

- a. Engagement #1- On command Soldiers will engage the 300 meter targets with 10 rounds from the prone position. Once complete the Soldiers will place their weapons on safe and pointed to the ground and move on line as a group to the 200 meter firing line.
- b. Engagement #2- On command Soldiers will engage the 200 meter targets with 10 rounds from the sitting or kneeling position. Once complete the Soldiers will place their weapons on safe and pointed to the ground and move on line as a group to the 100 meter firing line.
- c. Engagement #3- On command Soldiers will engage the 100 meter targets with 10 rounds from the standing position. Once complete the Soldiers will clear their weapons and be checked by the line safeties.
- d. SR-1 Paper targets will be used

14. NIGHT FIRE: Co-witness lasers with optics

- a. Firing from a stationary position to targets at the 100, 200 and 300 meter lines.
- b. Soldiers will stay online with the Soldier to their left and right.

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- c. Soldiers will always center on the target they are engaging to stay within range fan limits and keeping the weapon pointed to the ground and on safe. Again, the Range OIC / RSO are responsible to ensure weapons are cleared after each phase of firing is complete, ensure safe employment of the weapon system, and range limits are observed. The techniques used in marksmanship training are primarily derived from FM 3-23-35, FM 3-06-11, and FM 3-22-9.
- d. AR-500 steel targets will be used.
- e. Minimum steel target engagement range is 100 meters.

15. SCRAMBLER DRILL w/barriers

- a. On command and under NCO supervision Soldiers will lock and load weapons. Soldiers are given 9 rounds to effectively engage 7 targets from 100-300 meters utilizing the correct cover, use of commands, and operate safely while conducting the drill.
- b. Firing point movement will only be forward or horizontal to the firing line with weapon always pointed in a safe direction and only fired at the target they are in front of to keep bullets impacting within the approved SDZ.
- c. Weapons will be cleared upon completion of the drill and will be verified by the line safeties.
- d. AR-500 steel targets will be used.
- e. Minimum steel target engagement range is 100 meters.

16. TEAM DRILL w/ barriers

- a. The team drill is the culmination of all training previously conducted. Soldiers are divided into 2-3 man teams and each team will have an instructor with them at all times. Soldiers will lock and load their weapons on command and under NCO supervision. Soldiers will conduct a 25 meter run to the barrier and engage various targets from 100-300 meters in their lane.
- b. Firing point movement will only be forward or horizontal to the firing line with weapon always pointed in a safe direction and only fired at the target they are in front of to keep bullets impacting within the approved SDZ.
- c. Weapons will be cleared upon completion of the drill and will be verified by the line safeties.
- d. AR-500 steel targets will be used.
- e. Minimum steel target engagement range is 100 meters

17. LASERS: Class III A lasers are not eye safe on dual low mode within 25 meters. The 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. The Range Safety briefing will include the hazards of using Lasers and NVGs.

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18. COMMUNICATIONS:

- a. 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.
- b. Communication with the Safeties: In the event of loss of communication with OIC, firing will immediately cease until communications are established.
- c. Cease fire signals: In the event of a cease fire the OIC will issue a verbal command for the shooters to cease fire. The RSO will instruct shooters to clear the line and will resolve the communication problem before shooting will be allowed to continue.

19. INCIDENTS: 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 15-6 investigation

20. 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.

21. AMMUNITION:

- a. An ASP will be established 25 meters behind each firing line as it is occupied. The ammo NCO (E-5 or above) will control the storage and distribution of all ammo and will be responsible for the procurement of supplies (fire extinguisher, pallets, waterproofing, etc) and the establishment, maintenance, and operation of the ASP. Soldiers will only receive enough

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ammunition for the live fire exercise and upon completion of the exercise, the RSO/OIC will ensure no Soldier has any brass residue or ammunition in their possession. All brass will be returned to the ASP.

b. Blank ammunition, if used, will be stored separately from live ammunition.

22. WEAPONS CLEARING PROCEDURES:

a. All Soldiers will have their rifles rodded with cleaning rod or similar device before entering live fire ranges and proceeding to their firing positions by qualified range safety.

b. Upon completion of Soldier's firing exercise and before leaving the firing position the Soldier will have his weapon visually inspected/cleared by a qualified range safety. This person cannot be a Soldier in a training status.

c. The Soldier will then proceed off the firing line where he will dry fire his weapon in a designated location under supervision of an ABOLC cadre member.

d. Before exiting the range, the Soldier will then have his weapon rodded with cleaning rod or similar device by a qualified range safety.

e. Once off the range Soldiers will be contained in a small assembly area where a full ammunition and brass check will be conducted by the Range Safety Officer before being released back with the remainder of the Soldiers on the range.

23. WEAPON / 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.

24. POST FIRING PROCEDURES:

a. Each relay will ensure that the firing line is policed of brass and trash before being allowed to remove their equipment from the firing line.

b. At the conclusion of the day's firing, all parking and other administrative areas will be policed of all trash. All targets, to include barrier apparatuses, will be removed by using unit from the range.

c. The OIC will request a closing code from Range Control and will provide Range Control, the number of personnel trained and the number of rounds of ammunition expended during the training, as well as any other information requested by Range Control. The OIC will record the closing code and time on the sheet provided in the range book.

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25. POINT OF CONTACT: CPT Matthew J. Quiggle, Operations Officer, 2-16th Calvary 706-626-8333

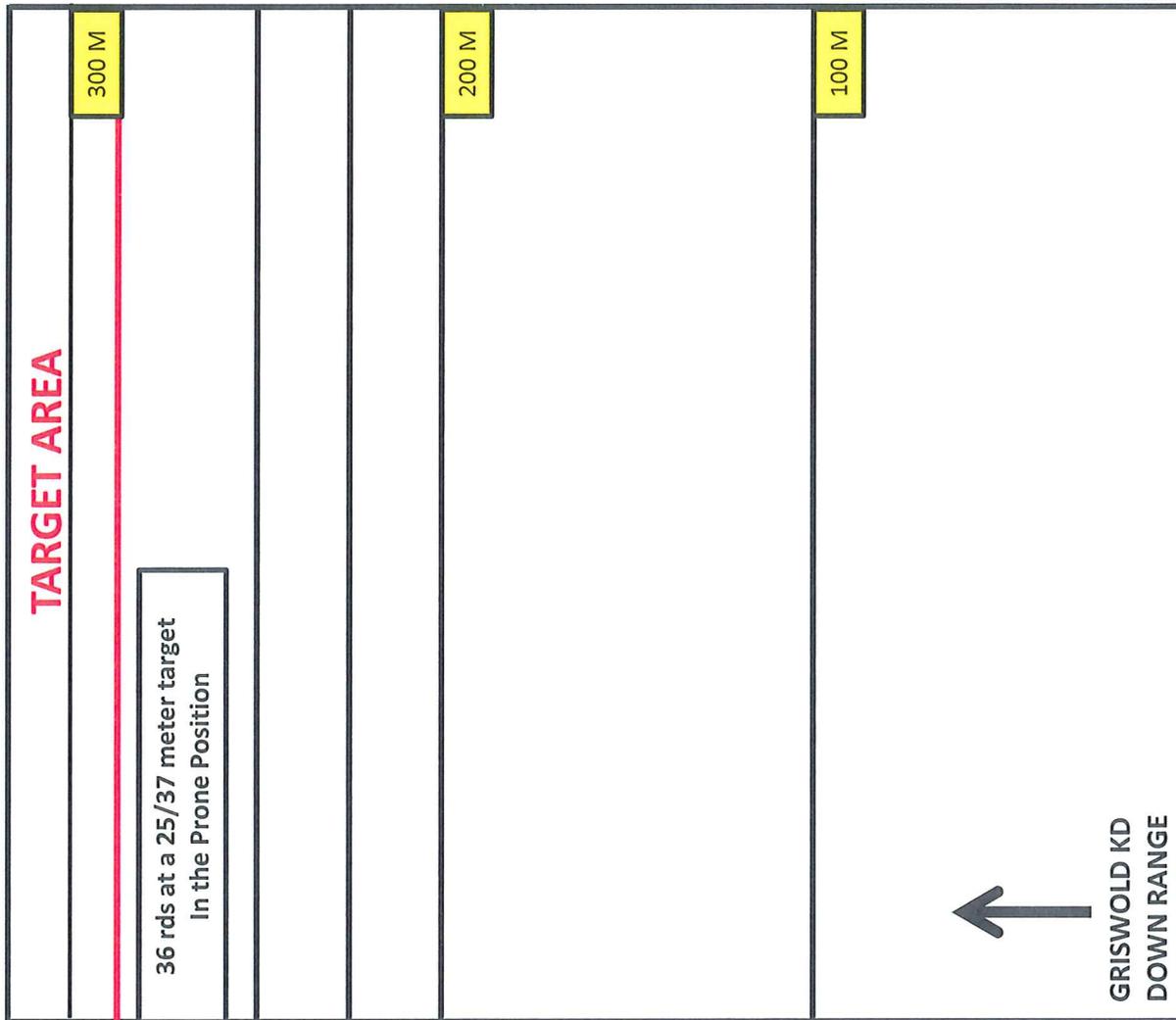

OSCAR F. DIANO
LTC, AR
Commanding

EXERCISE 1

25 / 37- METER LINE ZERO AND GROUPING

(Day)

- Fire 5 round groups from the prone position until the shot group can be identified and zeroed to 1 inch above the center of the target.
- Shot group must be identifiable; there is no size requirement at 25 meters.
- SR-1 Paper targets will be used.

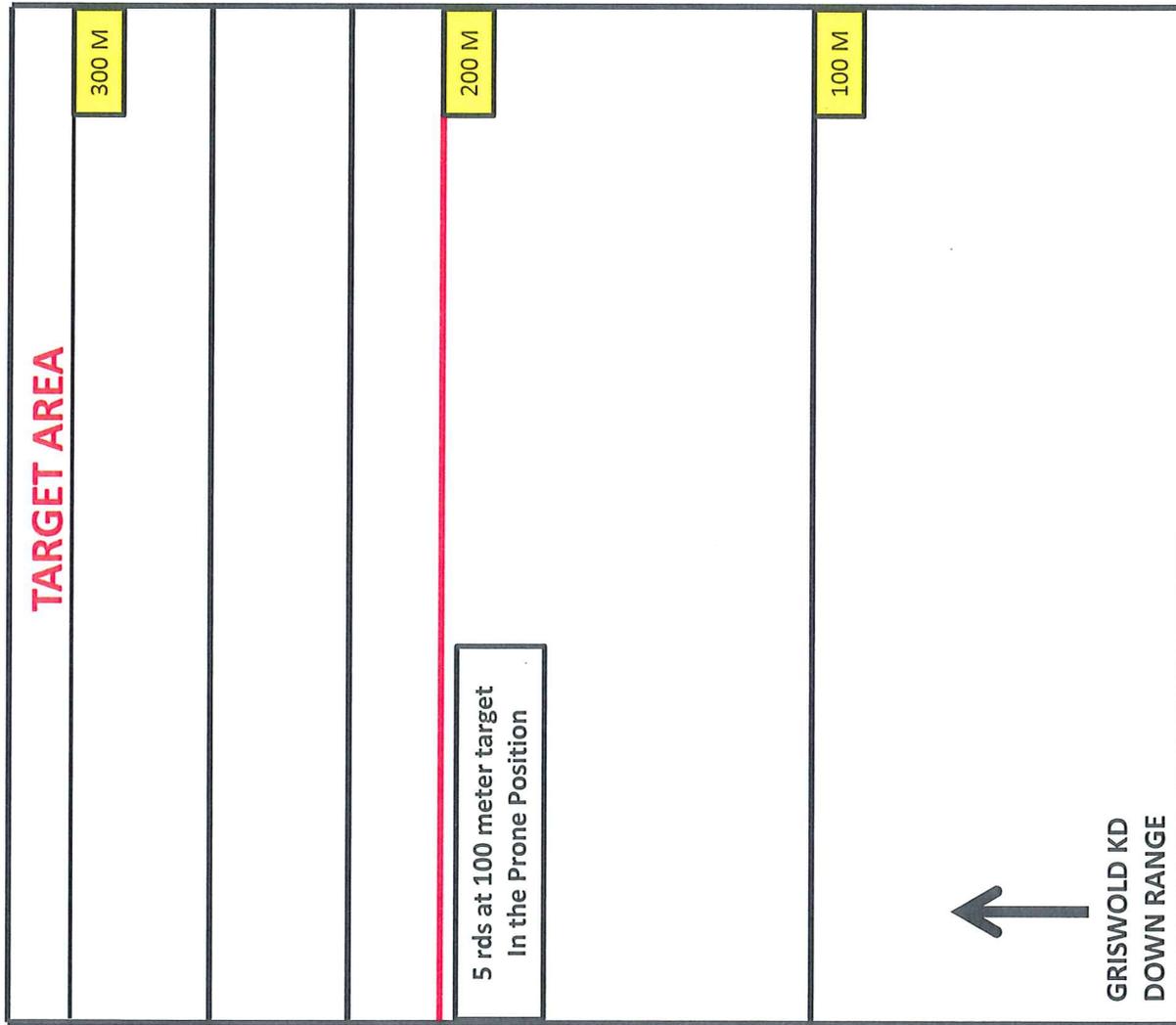


Up to 10 Soldiers on Firing Line

EXERCISE 2

100 METER GROUPING (Day)

- Fire 5 round groups from the prone position until the shot group can be identified and zeroed.
- Sr-1 Paper targets will be used.



Up to 10 Soldiers on Firing Line

EXERCISE 3

4 POSITION SHOOT (Day)

•Engagement #1

Soldiers will engage a 100 meter target from the 200 meter firing line while in the prone position. Once complete the Soldiers will place their weapons on safe and pointed to the ground and move on line as a group to the 225 meter firing line

•Engagement #2

Soldiers will engage a 75 meter target from the 225 meter firing line while in the sitting position. Once complete the Soldiers will place their weapons on safe and pointed to the ground and move on line as a group to the 250 meter firing line

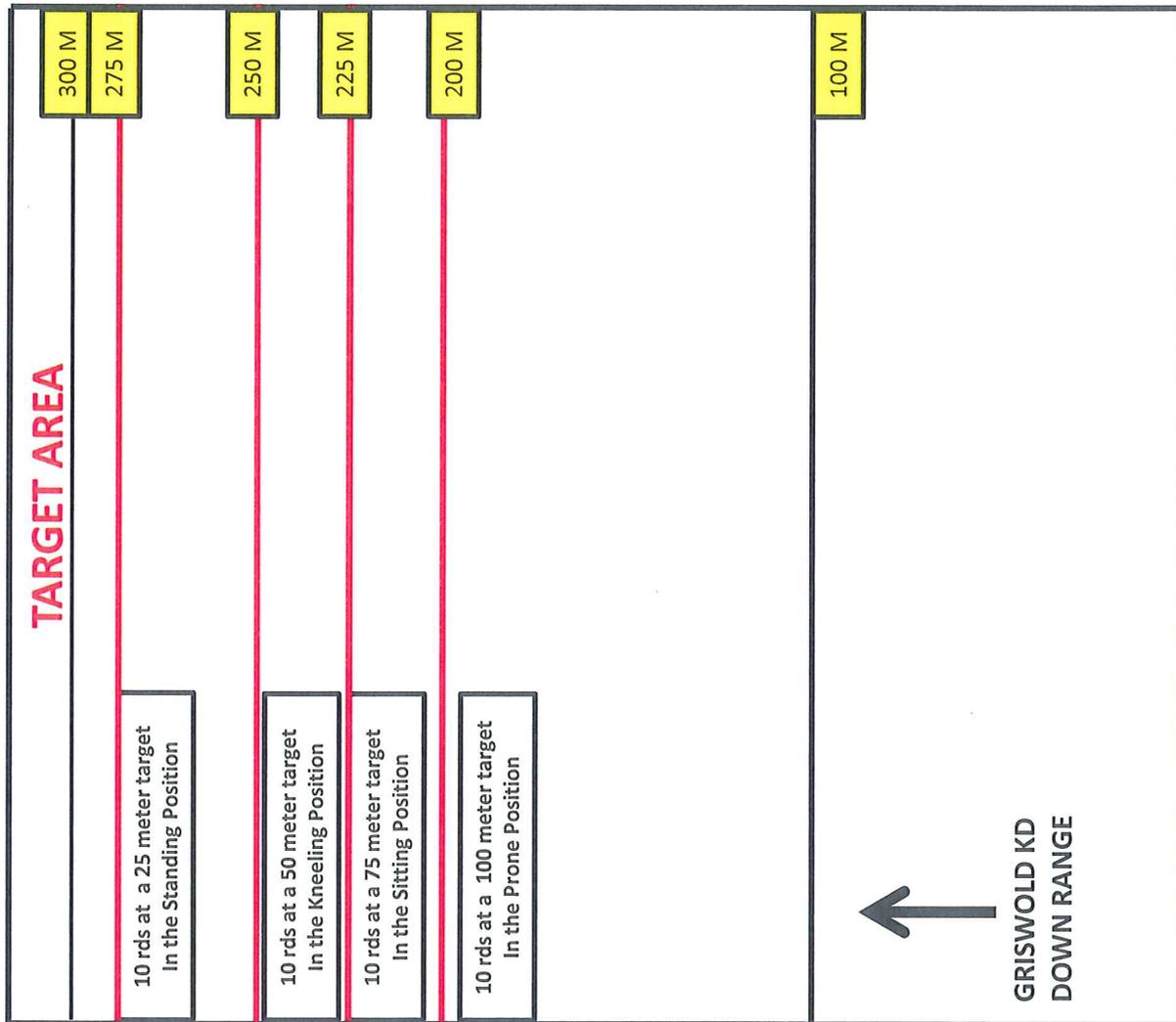
•Engagement #3

Soldiers will engage a 50 meter target from the 250 meter firing from the kneeling position. Once complete the Soldiers will place their weapons on safe and pointed to the ground and move on line as a group to the 275 meter firing line.

•Engagement #4

Soldiers will engage a 25 meter target from the 275 meter firing from the standing position. Once complete the Soldiers will clear their weapons and be checked by the line safeties.

•SR -1 Paper targets will be used.

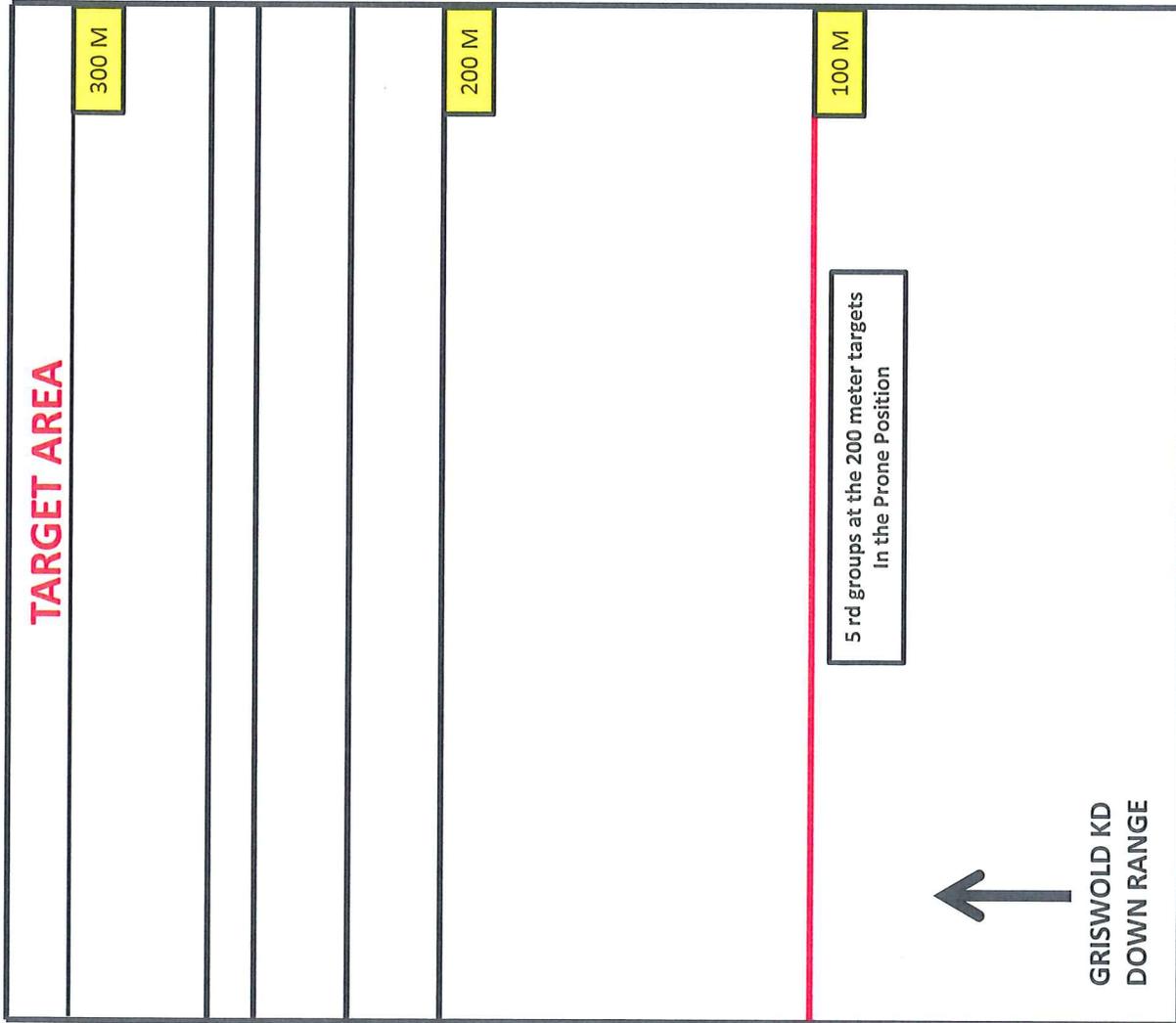


Up to 10 Soldiers on Firing Line

EXERCISE 4

200 METER SHOOT (Day)

- Fire 5 round groups from the prone position from the 100 meter firing line until the shot group can be identified and zeroed to the center of the target.
- SR-1 Paper targets will be used



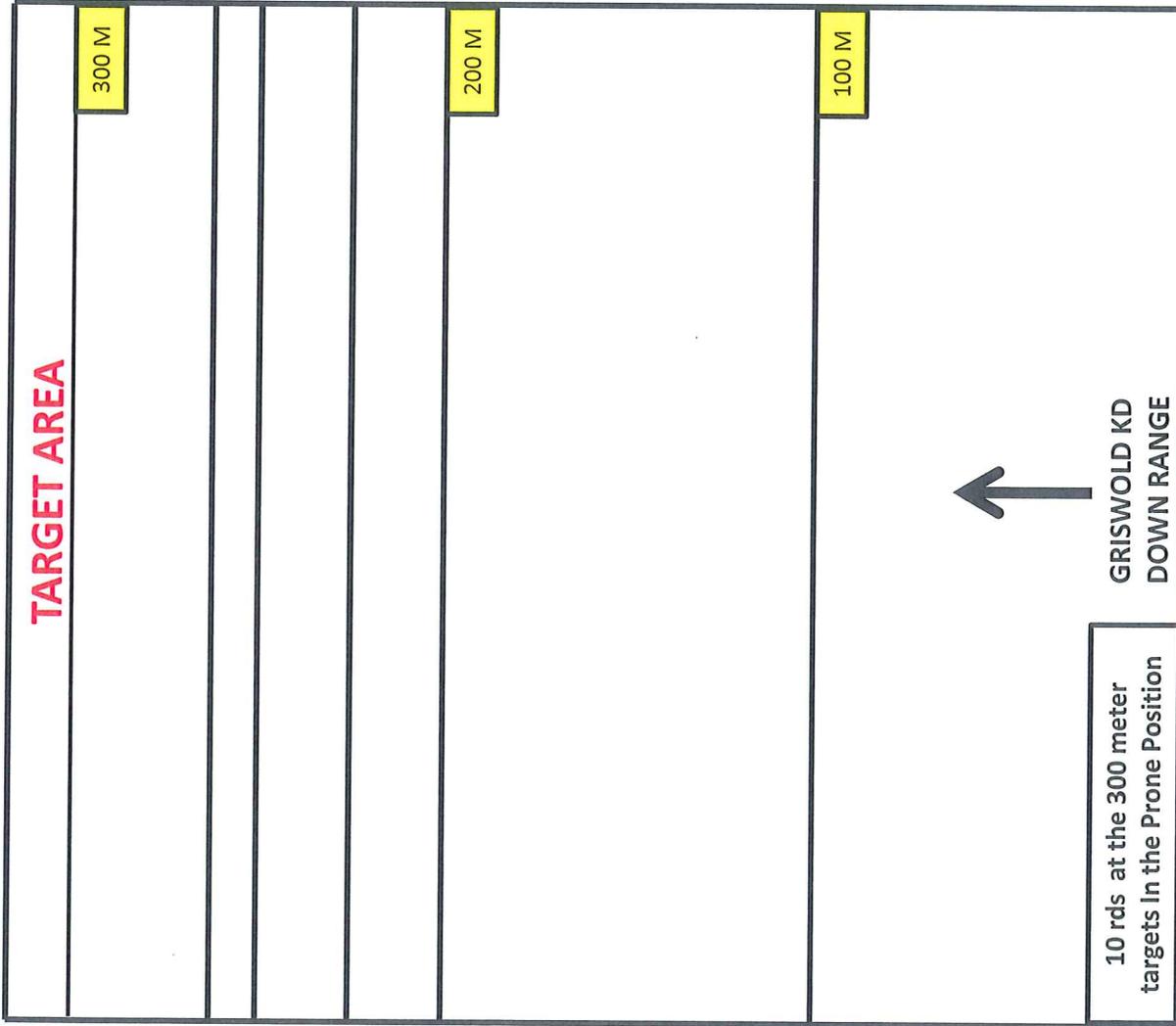
Up to 10 Soldiers on Firing Line

EXERCISE 5

300 METER SHOOT (Day)

• On command each Soldier will fire 10 rounds from the prone position to witness bullet dropping 10 inches over the 300 meter distance. This will give Soldiers the confidence to effectively engage the 300 meter target during the remainder of the course.

•SR-1 paper targets will be used.



GRISWOLD KD
DOWN RANGE

Up to 10 Soldiers on Firing Line

EXERCISE 6

3 POSITION SHOOT (Day)

Engagement #1

On command Soldiers will engage the 300 meter targets with 10 rounds from the prone position. Once complete the Soldiers will place their weapons on safe and pointed to the ground and move on line as a group to the 100 meter firing line.

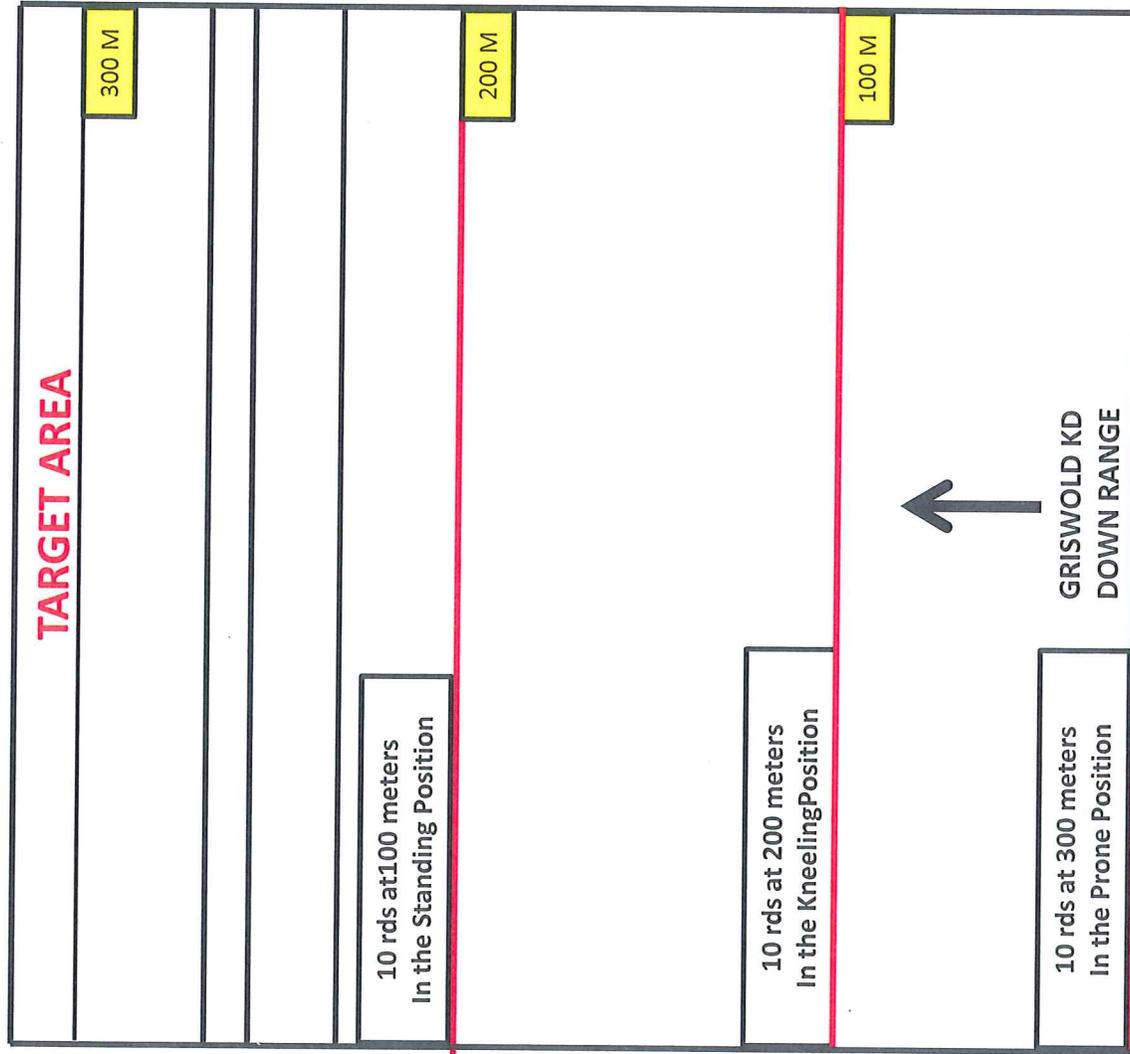
Engagement #2

On command Soldiers will engage the 200 meter targets with 10 rounds from the sitting or kneeling position. Once complete the Soldiers will place their weapons on safe and pointed to the ground and move on line as a group to the 200 meter firing line.

Engagement #3

On command Soldiers will engage the 100 meter targets with 10 rounds from the standing position. Once complete the Soldiers will clear their weapons and be checked by the line safeties.

•SR -1 Paper targets will be used.

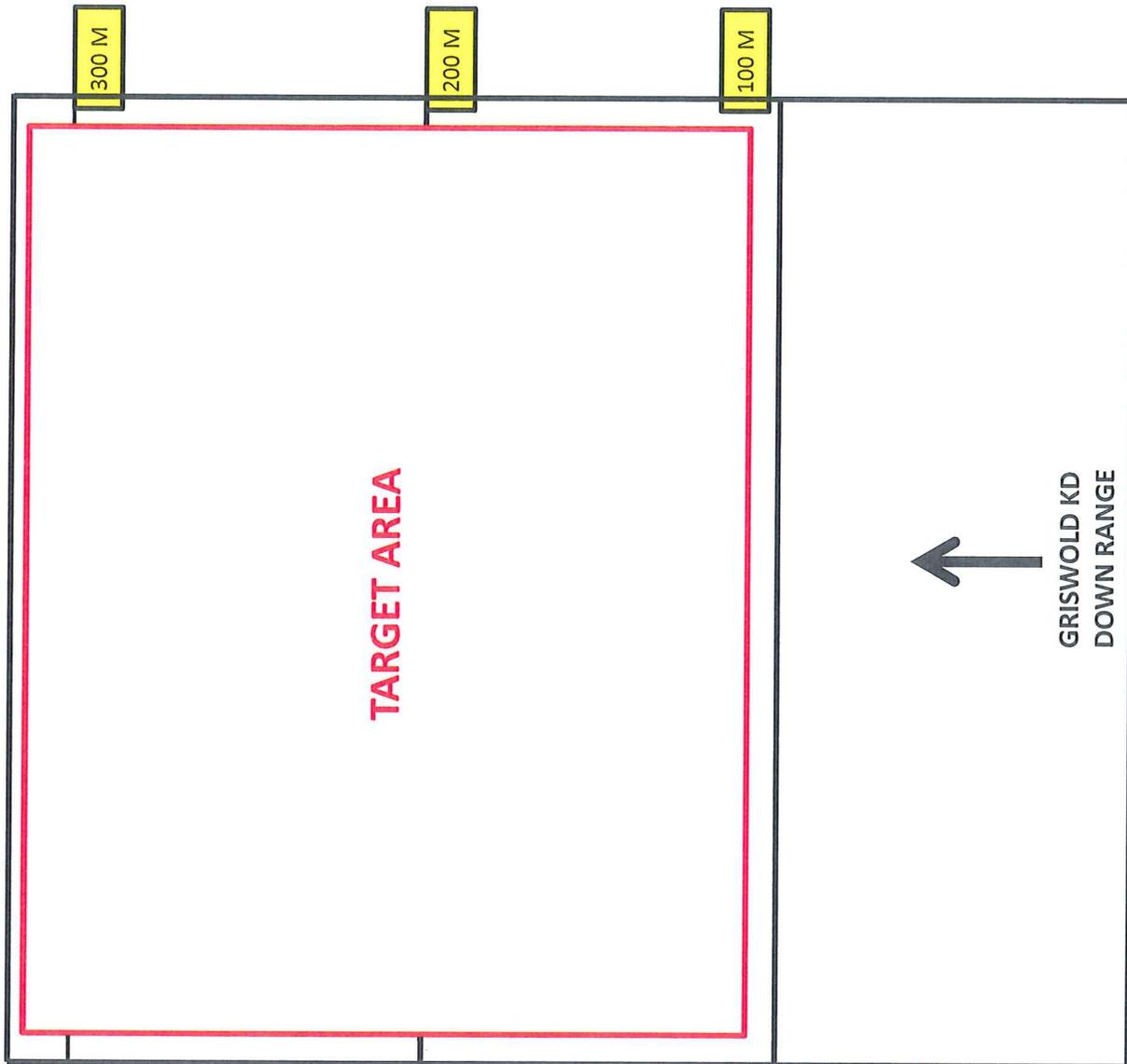


Up to 10 Soldiers on Firing Line

EXERCISE 7

NIGHT FIRE

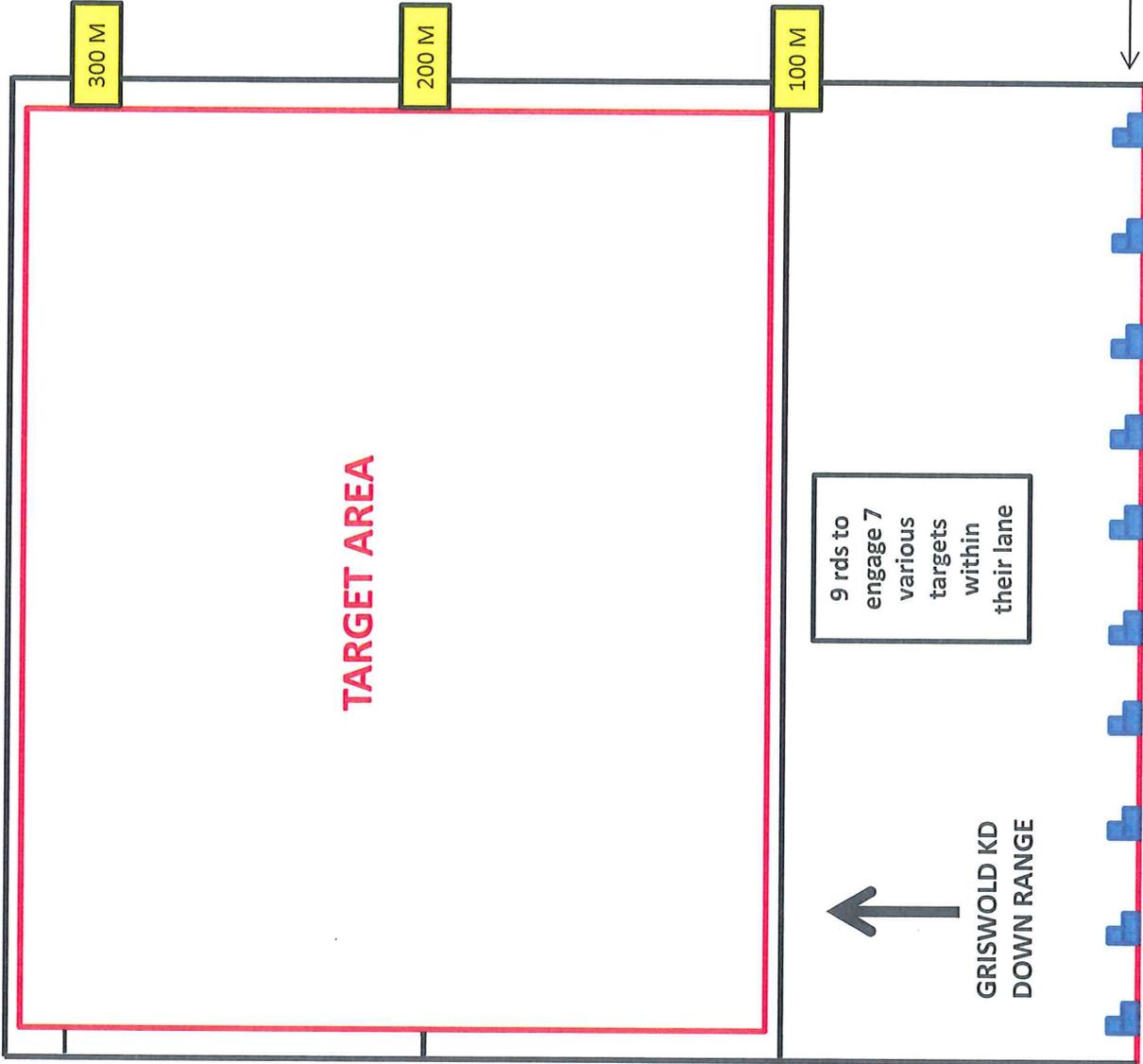
- AR 500 steel targets will be used
- On command Soldiers will engage designated targets within their lane.
- No steel targets will be engaged at a distance less than 100 meters from their firing position.



EXERCISE 8

SCRAMBLER DRILL (Day)

- On command and under NCO supervision Soldiers will lock and load weapons. Soldiers are given 9 rounds to effectively engage 7 targets from 100-300 meters utilizing the correct cover, use of commands, and operate safely while conducting the drill.
- Firing point movement will only be forward or horizontal to the firing line with weapon always pointed in a safe direction and only fired at the target they are in front of to keep bullets impacting within the approved SDZ.
- Weapons will be cleared upon completion of the drill and will be verified by the line safeties.
- AR 500 steel targets will be used



Up to 10 Soldiers on Firing Line

EXERCISE 9

TEAM DRILL (Day)

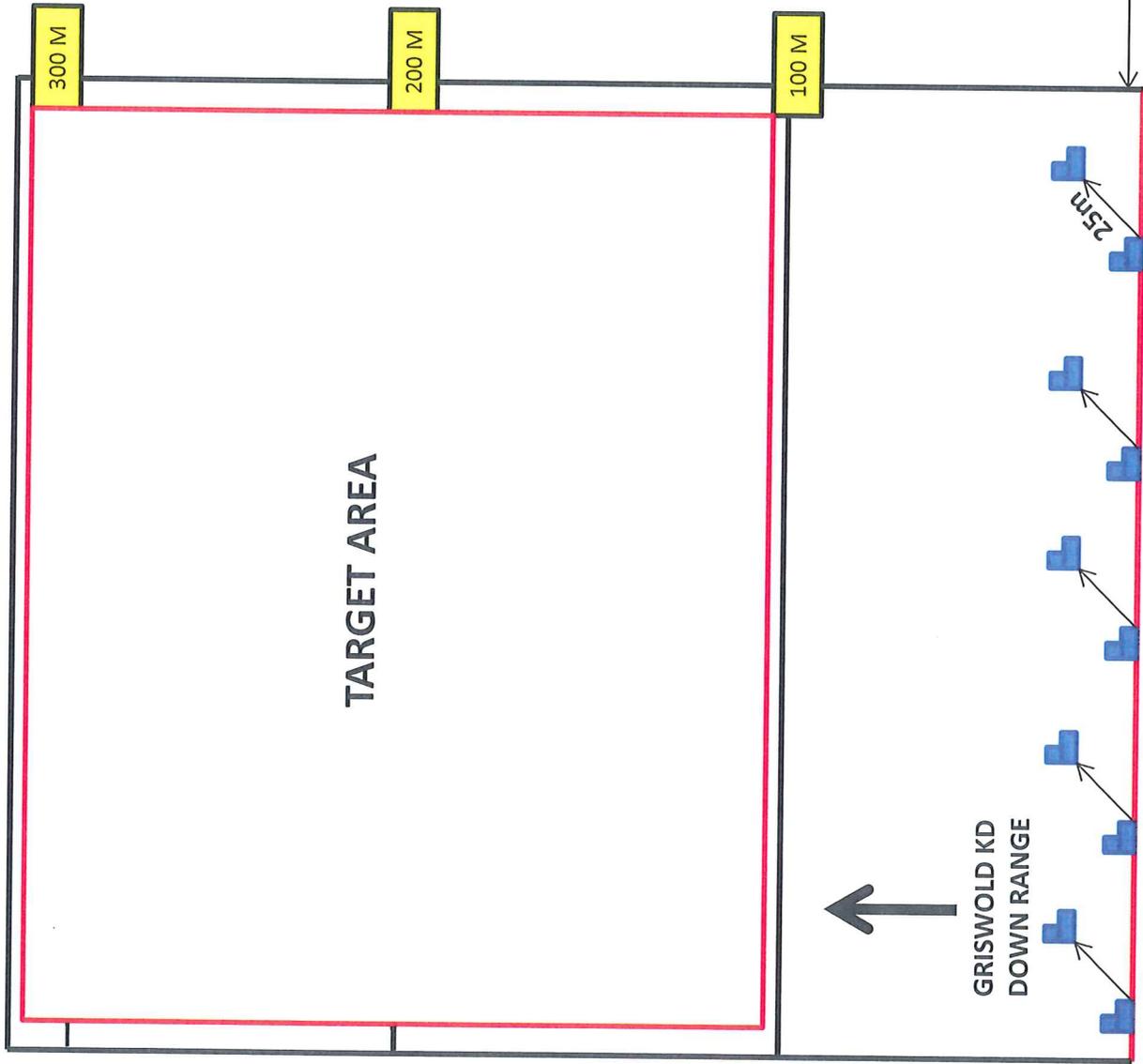
The team drill is the culmination of all training previously conducted.

Soldiers are divided into 2-3 man teams and each team will have an instructor with them at all times.

Soldiers will lock and load their weapons on command and under NCO supervision.

Soldiers will conduct a 25 meter run to the barrier and engage various targets from 100-300 meters in their lane

- AR 500 steel targets will be used



Up to Five 2 Man Teams on Firing Line

Griswold Range KD



Griswold Range 316 CAV, 2-16 CAV SQD BRM/ARM Marksmanship Training Log #10-6-12 Roadblock List , 12 JAN 2012

BLOCK	GRID	LOCATION	TYPE
A-1	FA 911 792	Across firebreak 200m down Fiske Range at right end of KD berm. Permanently closed.	Cable
A-2	FA 910 783	Off Sightseeing Rd on unnamed trail opposite of entrance to LRC.	Gate
A-4	FA 925 766	Off Sunshine Rd 1,200 m W. of entrance to Grandstaff range.	Gate
A-5	FA 936 762	Across entrance road to Grandstaff Range. 10m N. of Sunshine Rd.	Gate
A-6	FA 939 763	Off Sunshine Rd 100m W. of Oswichee Creek. Permanently closed.	Cable/Berm
A-8	FA 968 740	Across unnamed trail 30m N. of Sunshine Rd and 800m N.W. of entrance to Griswold Range.	Gate
A-10	GA 018 730	Across entrance road to Flint Range. 50m N. of Sunshine Rd.	Gate
A-11	GA 019 731	Across Lumpkin Trail 30m N. of its intersection with Sunshine Rd.	Gate
A-11A	GA 032 729	Rd guard pos # 2 for Garnsey Rng Obj 'E' (intersection Jamestown/Sunshine Rd's	Rd Grd # 2
A-12	GA 033 742	Across Garnsey Rd 50m W. of its intersection with Jamestown Rd.	Gate
A-12A	GA 029 744	Across Garnsey Rd 400m W. of A-12 Roadblock.	Gate
A-12B	GA 028 741	Across trail 150m SW of A-12A Roadblock. 50m W. of Range Bldg.	Gate
A-12C	GA 036 746	Road guard position # 3 for Garnsey Rng Objective 'E' (Jamestown at Lightning Rd)	Road Guard # 3
A-13	FA 936 762	Across Sunshine Rd 10m E. of the entrance to Grandstaff Range. (Road guard location)	Gate
A-14	FA 974 733	Across Sunshine Rd 10m W. of the entrance to Griswold Range. (Road guard location)	Gate
A-15	GA 021 799	Across entrance road to Buchanan Range.	Gate
A-15A	GA 021 798	Gate Across Good Luck Rd	Gate
A-15B	GA 022 796	Road guard position # 1 for Garnsey Rng Objective 'E' (Jamestown road SW corner of Engineer building)	Road Guard # 1
A-18	FA 993 828	Across Buckeye Rd 225m S. of its intersection with 1st Div Rd. and 50m E. of entrance to Duke Range	Gate
A-19	FA 973 825	Across entrance road to Patton Range 400m S. of its intersection with 1st Div Rd.	Gate
A-20	FA 974 827	Across entrance road to Dianda Range. 300m S. its intersection with 1st Div Rd.	Gate
A-22	GA 015 817	Across unnamed trail 50m N. of Brinson Range and 10m off Jamestown Rd.	Gate
A23	FA 983 756	Across Lumpkin Trail 200m E. of Griswold Range	Gate
A-23A	GA 005 748	On Lumpkin trail 50m NW of Objective 'E' on Garnsey Range.	Gate
A-23B	GA 005 747	Adjacent to A-23A gate on trail near intersection of Lumpkin trail	Install Gate
A-24	GA 015 811	10m inside entrance gate of Brinson Rng south of entrance road.	Gate
A-25	GA 016 789	Across fire break 10m W. of its intersection with Good Luck Rd.	Gate
A-26	GA 013 798	On L/S of Buchanan Range 50 meters W. of chow area across entrance to fire break.	Cable
A-27	GA 018 805	Across unnamed trl 175m N of intersection of Hourglass and Jamestown roads	Gate

BLOCK	GRID	LOCATION	TYPE
A-28	GA 012 774	20 meters off Yankee road on south side of Galloway range.	Gate
A-28A	GA 011 776	30 meters south of Range Tower	Gate
A-30	GA 026 758	Across fire break leading to Garnsey Range. 140m SW of Brann Flat Range.	Gate
A-30A	GA 027 758	Across trail leading to Garnsey Range 50m E. of A-30 Roadblock	Gate
A-31	GA 020 745	Across fire break leading to Brann	Cable
A-32	FA 989 724	Across entrance road to Kunzig Range.	Gate
A-33	FA 974 734	Across entrance to Griswold Range.	Gate
A-33A	FA 979 739	150 meters west of Target Systems bldg on trail leading to move to contact site	Gate
A-33B	FA 982 739	20m N of Target Sys bldg on trail running on west side of bldg.	Install Gate
A-34	FA 947 760	Across entrance to Minter Hill 700m E. of Oswichee Creek.	Gate
A-38	FA 952 816	Across fire break 300m down range of firing line on Red Cloud Range on L. side of range.	Cable
A-39	FA 956 822	Across unnamed trail 100m S. of bldgs on Buckner Range on L. side of range	Cable
A-40	FA 967 823	Across fire break 50m down range on the left side of Pierce Range.	Gate
A-41	FA 972 820	Across fire break located on the right side of the firing line on Patton Range.	Cable
A-42	FA 978 820	Across fire break located on the left side of the firing line on Patton Range.	Cable
A-43	FA 983 823	Across fire break located on the right side of	Cable
A-44	FA 986 823	Across fire break 100m E. of the 25m flat	Gate
A-45	FA 990 827	Across fire break located on the right side of the firing line on Duke Range.	Gate
A-45A	FA 991 829	Across Booker Breach site entrance road 200m past Duke Rng entrance gate	Gate
A-46	FA 984 832	Across unnamed trail 100m W. of the intersection of 1st Div Rd and Ivy Rd.	Gate
A-47	FA 990 833	Across unnamed trail 500m W. of the intersection with 1st Div & Buckeye Rd's	Gate
A-48	FA 995 827	Across fire break located on the right side of the firing line on Porter Range.	Cable
A-49	FA 998 827	Across fire break located on the left side of the firing line on Porter Range.	Cable
A-50	GA 000 830	Across unnamed trail 200m W. of entrance to Maertens Range.	Gate
A-51	GA 031 791	Barrier on Furman Rd	Barrier 1
A-52	GA 034 776	Barrier on Yankee Rd	Barrier 2
A-53	GA 035 776	Gate to Cole Range	Barrier 3
A-54	GA 046 749	Barrier off Lightning Rd on unnamed trail	Barrier 5
A-55	GA 057 759	Barrier off Lightning Rd on unnamed trail	Barrier 4

COMPOSITE RISK MANAGEMENT WORKSHEET

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

1. MSN/TASK ABOLC BRM: Griswold Range		2a. DTG BEGIN 100900DEC12	2b. DTG END 092300DEC13	3. DATE PREPARED (YYYYMMDD) 20121120	
4. PREPARED BY					
a. LAST NAME		c. POSITION			
QUIGGLE		2-16 CAV S3			
5. SUBTASK	6. HAZARDS	7. INITIAL RISK LEVEL	8. CONTROLS	9. RESIDUAL RISK LEVEL	10. HOW TO IMPLEMENT
Prevention of an Accidental Discharge	Negligent / Accidental Discharge / Gun Shot Wound Seldom / Critical	M	Soldiers will maintain muzzle awareness at all times; Weapons Safety Posture dependent. All weapons will be in a Cleared status while not on the firing line. Weapons will remain on safe until directed otherwise by the tower. While on firing line, Soldiers will take all directions from the tower directing posture change from Ammo Prepared, Locked and Loaded.	L	TRADOC 385-2, RSO, SB FM 3-22.09 Lane Safeties Peer Coaches Critical/Unlikely
Prevention of eye injury	Injury from ejected cartridge or other projectiles Occasional / Marginal	M	Cadre will ensure that all personnel are in proper uniform including eye protection; peer coaches ensure that are located safe distance from weapon ejection port.	L	TRADOC 385-2, RSO, SB Lane Safeties Peer Coaches Occasional / Negligible
UXO Procedures	Handling of UXO Seldom / Critical	M	Safety Brief will cover that any UXO will not be handled if found. Report all UXO to Cadre; mark and report to Range Control.	L	TRADOC 385-2, RSO, SB Lane Safeties Peer Coaches Seldom / Negligible
Weapon Procedures	Weapons leaving range without clearing Seldom / Critical	M	All weapons will be inspected twice; by Lane Safety before firer leaves firing position, then by RSO and the firer at the clearing barrel. Ensure all weapons in Cleared status before exiting line	L	TRADOC 385-2, RSO, SB Lane Safeties 5:1 student:cadre ratio Unlikely / Critical
Range Safety	Debris on Range	L	Tower, OIC, RSO, and Lane Safeties will monitor the range and call a cease fire until debris is removed.	L	TRADOC 385-2, RSO, SB
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 checked="" type="checkbox"/> LOW <input type="checkbox"/> MODERATE <input type="checkbox"/> HIGH <input type="checkbox"/> EXTREMELY HIGH					
14. RISK DECISION AUTHORITY		d. SIGNATURE			
a. LAST NAME	b. RANK	c. DUTY POSITION			
DIANO, OSCAR	LTC	2-16 CAV 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 EFFECTIVE?
Severe Weather Procedures	Tornado / Electrical Storms / Fire / Blizzard Likely / Marginal	M	Safety Brief will address courses of action for scenarios and the proper response for each. OIC will monitor Range Control net for weather updates and notify firing line as necessary.	L	TRADOC 385-2, RSO, SB Safety Brief Likely / Negligible	Continuous supervision from OIC, RSO ensure proper procedures are executed upon implementation	
Weather Injury Prevention	Dehydration, Superhydration, Heat Injuries Likely / Marginal	M	NCO's will ensure water intake is IAW with Wet Bulb Globe Index Matrix. Cadre will ensure water is available prior to training.	L	TRADOC 385-2, RSO, SB Cadre monitoring Peer Coach monitoring Likely / Negligible	Continuous supervision from OIC, RSO, Safeties and Buddy checks	
Weather injury Procedures	Cold weather injuries Likely / Marginal	M	Cadre and Peer Coaches will monitor each other for symptoms. Cadre will ensure that a trained Medic or CLS is on hand with FLA.	L	TRADOC 385-2, RSO, SB Cadre monitoring Peer Coach monitoring Likely / Negligible	Continuous supervision from OIC, RSO, Safeties and Buddy checks	
Hearing Conservation	Hearing Loss Likely / Marginal	M	Cadre, will ensure all soldiers are dressed in accordance with weather conditions and battle buddies monitor each other for symptoms with CLS or Medic on site.	L	TRADOC 385-2, RSO, SB Likely / Negligible	OIC, RSO, Cadre	
Ammunition Procedures	Soldiers removing live ammunition from the range Occasional / Marginal	M	All Cadre will ensure that all Soldiers have ear plugs in prior to movement to the firing line. Additional hearing protection on site available located at ammo point.	L	TRADOC 385-2, RSO, SB Lane Safeties check for use Peer Coaches ensure proper use Likely / Negligible	Continuous supervision from OIC, RSO, Safeties and Buddy checks	
Motor Vehicle Safety	Vehicular (tactical and POV) accidents enroute to range Seldom / Marginal	L	Upon completion of training, all Soldiers and their gear will be inspected by the Lane Safeties supervised by the RSO. Amnesty box located at ammo point.	L	TRADOC 385-2, RSO, SB Seldom / Marginal	Continuous supervision from OIC, RSO, Safeties and Buddy checks	
Prevention of Wildlife Injuries	Wildlife on Range Likely / Negligible	L	All Cadre, Safeties and Peer Coaches ensure that no Soldier handles wildlife. Safety Brief will address procedures prior to execution of training.	L	TRADOC 385-2, RSO, SB Lane Safety supervision Peer Coach supervision Likely / Negligible	Continuous supervision from OIC, RSO, Safeties and Buddy checks	



RECORD OF ENVIRONMENTAL CONSIDERATION (REC)



Date Submitted: 10/29/2012

EMD Number: 1230306

Project#: Unknown

Project Title: GRISWOLD LIVE FIRE USING STEEL TARGETS

Description of proposed action:

LIVE FIRE EXERCISE USING 5.56MM AT STEEL TARGETS THAT ARE JUST PLACED ON TOP OF THE GROUND ON REMOVABLE PADS.

Project Location:

GRISWOLD RANGE

Amount, Description, Location of Disturbance/Digging:

None

Number of Personnel:

30

Type of Ammunition:

5.56MM Live

Number/Types of Trees:

None

Size of Project Area:

Duration of Action: Start: 12/10/2012 Stop: 9/30/2013

Proponent: 269000

706-626-8324

Organization/Unit: 2-16TH CAV ABOLC

Number/Types of Vehicles:

Number of vehicles:5 TOTAL

Types of vehicles:LMTV,HMMWV,PASSENGER VAN

No-Vehicles will be going off road.

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."

THIS APPROVAL IS FOR ONE TIME USE ONLY!

Natural Resources - RCW

Conditions:

Michael Barron (706 544 7080), 11/6/2012

This approval is for one time use only. Since this exercise involves the introduction of steel targets, an inspection will have to be conducted by Conservation Branch staff prior to any future use of this type at this site. A new 144R will need to be submitted if the unit wishes to conduct this exercise again with steel targets. If the inspection determines that munitions are leaving the range and impacting RCW cavity trees or habitat, future use of these types will be rejected. See attached conditions. Note locations of red-cockaded woodpeckers (RCW) on attached maps. Training restrictions apply. Unit commanders must make sure that all troops know the locations of restricted areas and understand these training restrictions. This is imperative since night training may occur. Boundaries are often hard to see at night, but this is no excuse for violations to occur. Two hour time restriction is for 2 hours once every 24 hour period. Note where digging may not occur. All trenches, fighting positions, etc must be filled in prior to leaving an area. There must be no cutting down or intentional destruction of any pine trees throughout the requested area(s).

Hazardous Materials/Waste

Conditions:

Joe Iverson (706 545 1857), 11/5/2012

Considerations for Field Training Exercises and Range Operations

1. Ensure personnel know the correct procedure for handling misfires at the range:

- Closed containers (ammunition can marked 'MISFIRES") will be used for the collection of misfires at each firing range.
- The MISFIRE container will stay closed except to add or remove misfires.
- Misfires SHALL NOT BE COLLECTED in any open container or cardboard box.

All excess, unused munitions (including smoke canisters) must be returned to the Ammunition Supply Point (ASP) after the range operation is complete. Defective, misfired, or otherwise unserviceable munitions may be destroyed on the range, as part of the training exercise, in coordination with EOD.

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/USAIC Reg 210-4 -5-8, May 05 and or MCOE 350-19.

2. Patches and swabs collected from weapons cleaning must be double bagged and turned into the Unit Hazardous Waste Manager for proper disposal.

3. Rubbish, empty containers and other waste shall be removed from the training area after the exercise. Contact EPMB for detailed information on the proper disposal of waste products resulting from the exercise, to include MRE Heaters.

4. 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.

CWA - Training

Conditions:

Leah Ropski (706 626 0492), 10/30/2012

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.

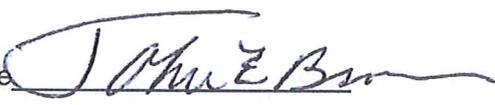
General ISCP Requirements: In the event of a spill/discharge -- notify Range Control by radio or call 544-6291, and they will notify E-911 for Fire Department/HAZMAT Team assistance and/or notification of the EMD office (Spill Beeper 706-317-6584). As appropriate, and if personnel are trained – REACT 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.

Noise

Conditions:

Ellis Leeder (706 545 2400), 10/29/2012

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 7 NOV 2012

Signature 

Christopher E. Hamilton, PhD

EPMB Chief

Date 7 Nov 12

