

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: 13 Dec 2011 LOG# 10-17-11
Range: Buchanan
Title: 25m Zero, Alt-C, CQM, Shoothouse, Combat Pistol Course.
Problem No: N/A

THRU: S3, WHINSEC
Fort Benning, GA. 31905

FROM: DTSO, WINSEC
Fort Benning, GA. 31905

SECTION I, TYPE OF TRAINING

a. Live Fire b. Non-live Fire CP/Controller Coordinates: GA 0131 7991 (Old Range Tower)

SECTION II, DEMOLITIONS/GRENADES/MINES/PYROTECHNICS

Coordinates	Type	Model/DODAC	Size of Charges
N/A			

SECTION III, WEAPONS/AMMUNITION REQUESTED

Coordinates of Weapons Position	Type Weapon/Model Number	Type Ammunition	Left Limit	Right Limit
25m Zero: FP1 0118 7984 to FP10 0118 7987	M16/M4/M9 M68/AN-PEM1/PAQ4	5.56mm Blank/Ball 9mm Ball Laser Aiming Device	4M 4850 25M 5040	4M 5300 25M 5110
Shoot House: 0122 7980	M16/M4 M68/AN-PEM1/PAQ4	5.56mm Blank Laser Aiming Device	N/A	N/A
Combat Pistol Course FP1 0119 7989 to FP14 0123 8002	M9	9mm Ball	4735	5420

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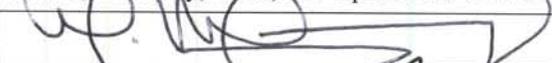
Name/rank of requesting officer:

Alfredo, Lobo, S-3 Operations NCO



Name/rank of Major Unit S3/Commander:

Walter, Alemany, MAJ, BN Operations Officer



SECTION VI, FOR RANGE DIVISION USE

DATE: 29 FEB 12

TO: S3, WINSEC
Fort Benning, GA 31905

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

a. Roadblocks to be closed:

A18, A22, A24, A25, A26, Alt-C

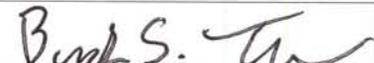
b. Road(s) to be closed/road barrier locations:

c. Remarks:

Laser Warning signs will be posted prior to use.

This approval expires: 28 FEB 14

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





DEPARTMENT OF DEFENSE
WESTERN HEMISPHERE INSTITUTE FOR SECURITY COOPERATION
7161 RICHARDSON CIRCLE
FORT BENNING, GEORGIA 31905-2611

ATWI-DOTS-OP

13 Dec 2011

MEMORANDUM FOR Director, Plans, Training, Mobilization and Security, U.S ARMY GARRISON,
Fort Benning, Georgia 31905

SUBJECT: Marksmanship and Advance Marksmanship Training on Buchanan Range

1. The purpose of this memorandum is to outline the scenario and training concept for the Combat Pistol Course, Shoothouse, 25 meter Zero, Alt-C Qualification, CQM using the M16/M4 and M9 Pistol using dry fire technique, blank and live ammunition on Buchanan Range. The purpose of training is to familiarize Foreign Students on the basic and advance marksmanship fundamentals of the U.S. Army. During the execution of this training at Buchanan Range, Students will train on the following task using the existing stations:

- a. Zero an M16A4/M4A2 Rifle
- b. Alt-C Qualify with both an M16A4/M4A2 Rifle and M9 Pistol
- c. Short Range Marksmanship (SRM) to include discriminatory fire, reflexive fire, and quick fire drills
- d. Combat Pistol Course
- e. Shoot House (DRY/BLANK ONLY)

2. The training of these tasks will be supported by the use of dry fire, blank and live munitions in and around the following areas/ training lanes on Buchanan Range:

25m Zero/CQM Range: Short Range Marksmanship
Combat Pistol Course

3. Students arriving at Buchanan Range Complex will receive a safety briefing, MEDEVAC plan and range orientation immediately upon arriving (refer to range safety procedures and medical plan, located in the WHINSEC Range Book). Upon completion, students will be issued weapons located at the weapons point (Bldg 8509, grid 0132 7983) and any special equipment required for training (safety glasses, holsters, sling, etc.). Before each session, the instructors will demonstrate the task to be conducted. The students will then be allowed to conduct practice dry fire of the task. Finally they will execute the task in a blank and then live fire exercise (under close instructor supervision). For all scenarios at the 25m Range, targets are considered to be 6 foot wide target frames and all lanes are 2 meters wide. For all scenarios except #3, all students will be on line at the same firing line. For all scenarios conducted at the 25m zero range, they will be on line at the same firing line. For all scenarios conducted at the 25m zero range, there will be only one person per lane and only one target per lane (except scenario #4 with 2 targets per offset lane). Scenarios #1 through 5 will be conducted on the 25m zero range. Scenario #6 will be at the Combat Pistol Range. Scenario #7 at the Shoothouse. A Brass and Ammo check will be conducted after each shooting phase. Weapons will be rodded onto and off of the range. Before leaving the range a final police call (cleaning of the range) will be conducted in compliance with Range Control SOP. Prior to boarding any buses to leave the range a final brass and ammo check will be conducted of all students.

4. Tasks to be Trained/Executed

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"Liberty, Peace and Brotherhood"

- a. 25m zero/CQM Range/SRM Training: A target line of 10 E-Type targets will be arranged at the 25m range of Buchanan UAC. Firing orders of up to 10 PAX will enter the range and execute short-range engagements using 5.56mm blank and ball ammunition and M16/M4's. Access to the CQM Range will be controlled by having a single access point and a cordon to prevent personnel from entering the range unannounced or outside of the safety fan. Blank adaptors will be removed prior to live fire. This will be checked by the lane safeties. **(See Weapons Clearing Procedures)**

- b. Boundaries: The focus of this drill will be on firing from different shooting positions, different stances, and target discrimination as listed in the scenario below. Students will begin by training at different ranges (4m, 7m, 10m, 15m, 20m and 25m). They will then train on turning no more than and shooting from these same distances. Finally students will move towards targets and, on a signal from the lane trainer, stop and fire. Upon a second signal, they will continue to move towards the target and the process will repeat (move-stop-shoot, move-stop-shoot). At all times, weapons will be maintain at the low ready, oriented down range at the targets at all times. When students are moving and shooting, they will remain on-line with each other and will begin and stop moving at the same time as stated in the following scenario:
 - i. Zero and Alternate Qualification procedures:
Students will zero from the 25 meter zero line, but will achieve a parallel zero to simulate a 200 meter zero. Once all the students have zeroed, we will being alternate Qualification procedures from the 25 meter firing line engaging a 25-meter scaled silhouette target. If zeroing/grouping exercises are not performed on the day of record fire, all Students will confirm the zero of their assigned weapons by firing six rounds of training/sustainment ammunition from the 25-meter line before firing the course IAW FM 3-22.9. **(See Weapons Clearing Procedures)**

 - ii. Scenario #1 Shooting at known distances:
Students will engage the target in their lane with the M16/M4 rifle and M9 pistol from the 25, 20m, 15m, 7m and 4m firing lines.

 - iii. Scenario #2 Shooting while moving forward:
Each student will be assigned a lane and one specific target. He/she will move between the 25m and the 4m firing lines engaging targets while moving forward with his M16/M4 rifle and M9 pistol. All students will be abreast and walk forward at the same time (on signal), they will be given the command "fire", and depending on the exercise, they will stop and engage or fire while walking. Safeties will maintain the students abreast (one safety per student).

 - iv. Scenario #3 Shooting while moving laterally:
Each student will engage targets from the 7m line while moving left to right and right to left. The student will engage approximately 5 targets. Only one student will be firing at a time and all other students will be behind the firing line. There will be one instructor following the shooter at all times ensuring that no unsafe acts occur. The student will only engage the target when he/she is within the specified range fan for that target (will not engage targets outside of the range safety fan for the 7m line). Weapons will always remain pointed down range and at the low ready.

 - v. Scenario #4 Target Indexing:
Students will be located at the 7m firing line (students will still be spaced out normal distance) so as to be able to engage 2 targets. Both targets are on the same target stand. As such, the student will center on his/her lane and fire at both the targets in his/her lane. Students will alternate between engaging left and
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 "Liberty, Peace and Brotherhood"

right targets with both the M16/M4 rifle and the M9 pistol. Total amount of students executing training will be number of lanes minus one.

vi. Scenario #5 Turns:

Students will execute 90 degree and 180 degree turns and engage the target in their lane with both the M16/M4 rifle and M9 pistol. Students will execute this exercise at the 10m and 7m firing lines. Students will be abreast about 5m apart. Weapons will be maintained at the low ready, oriented down range at the targets at all times. Safeties will be next to the students (one safety per student). During the 180 degree turn, extra measures will be taken to ensure the safety of all personnel. Weapons will remain on safe and be maintained at the low-ready (pointed at the ground) posture until the turn is completed. Once the turn is completed, the student will raise the weapon, place the selector level to semi-automatic and engage the target down range. Safeties will be watching the student as he/she turns to ensure that the weapon remains on safe through the turn and maintained at the low-ready posture until the turn is completed. Prior to and after the turning movement, the safeties will physically inspect all weapons and all weapons will be placed back on safe and positioned at the low-ready posture. (See Weapons Clearing Procedures)

vii. Scenario #6 Combat Pistol Course:

Pistol Engagement Techniques (Combat Pistol Range): The purpose of this training is to perform CQM, Qualification and Practice with Pistols. At all times, weapons will be oriented down range or at the ground. When students are moving and shooting, they will remain on-line with each other and will begin and end moving at the same time. Combat Pistol Range can not be run at the same time as the 25meter Zero Range. (See Weapons Clearing Procedures)

viii. Scenario #7 Shoothouse:

Room Clearing Dry/Blank Fire Exercise will be used to demonstrate and execute room clearing procedures using blank ammunition. Instructors will perform 100% weapons and ammo checks to ensure no live ammo is mixed with blank ammo. Training will consist of multiple room clearing procedures, Single TM multiple rooms with multiple targets. This shoot-house is used for Dry/Blank Fire Training. Instructors will control the environment from safe positions on the ground and the cat-walks. Participants will use all Equipment (ACH and Body Armor) necessary for training IAW Facility and Post Regulations. Instructors will control the loading and locking of all weapons and will ensure all weapons are properly cleared after the training event. There will be no Live Fire Training in the shoothouse.

5. Safety Measures

- a. CLS on the firing range will be located where he can best assist or treat a casualty.
- b. A vehicle will be located on the range as a designated FLA with a stretcher and a CLS Bag.
- c. In the event of a cease-fire on the range, the command will be echoed through out the entire firing line. All weapons will be cleared and put on safe. All safeties will physically inspect all weapons and instruct all firers to stand up and away from the weapons.
- d. All blank and live ammunition will be separated at the ammunition point and proper ammunition will be issued to the firers as needed for the required training by the ammo point NCOIC. Ammo point will be at grid 0119 7985 just behind the 25 meter range. The Ammo point for the Combat pistol range will be at grid 0124 8003.

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"Liberty, Peace and Brotherhood"

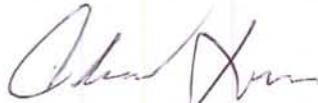
- e. Uniform for the range will be per unit SOP (ie. Helmet, IBA, Safety glasses/hearing protection).
- f. Dry fire rehearsal will be conducted on the range prior to conducting any blank and live fire exercises to ensure that all range safety procedures are understood.
- g. When blank fire rehearsals are required prior to conducting a live fire exercise the lane safeties will ensure that blank adaptors are issued and placed on all weapons firing and removed prior to a live fire exercise.
- h. Brass and Ammo checks will be conducted after each phase and prior to leaving the range.
- i. Unit will police all brass and trash prior to closing the range.
- j. 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 range. **Range safety Briefing will include hazards using Lasers and NVD's.**
- k. 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.
- l. Unit will use the standard 9 Line MEDEVAC in case of illness or injury. Call 911 and determine what type of evacuation is the most appropriate for the injury. 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. Using units higher Headquarters and Range Control will be notified in this event.
- m. When an incident occurs on the range, regardless of injury or not, the OIC/RSO will immediately report it to Range Control and the using unit's higher headquarters. 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.
- n. Weapons/Ammunition Malfunction Reports: When a malfunction is experienced, the OIC or Range Safety Officer will suspend all firing and immediately notify Range Control. Retain the weapons and all components and ammunition involved in place. An investigation is required and will be conducted by DOL.
- o. While on the range the students will be told when to load and un-load and clear their weapons and will take all commands from the tower or Range OIC/RSO.

6. Weapon Clearing Procedures:

- 1) All Students 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.
- 2) Upon completion of Students firing exercise and before leaving the firing position the Student will have his weapon visually inspected/cleared by a qualified range safety. This person cannot be a Student in a training status.
- 3) The Student will then proceed off the firing line to the clearing barrel where he will dry fire his weapon IAW published procedures.
- 4) Before exiting the range, the Student will then have his weapon rodded with cleaning rod or similar device by a qualified range safety.
- 5) Once off the range Students 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 Students on the range.

7. There will be no deviations to this packet unless it is approved by Range Control.

8. Point of contact for this request is SSG Lobo at 545-2910.



ALFREDO, LOBO
SSG, US Army
S-3 Operations NCO



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

22 February 2012

MEMORANDUM FOR Commander, Western Hemisphere Institute for Security Cooperation,
Attn: Mr. Eric Heberlig, Fort Benning, GA 31905

SUBJECT: WHINSEC 25M Zero, Alternate Qualification, CQM, Shoothouse, and Combat
Pistol Course at Buchanan Range Concept and Safety Review.

1. References.

a. WHINSEC 25M Zero, Alternate Qualification, CQM, Shoothouse, and Combat Pistol, 13
December 2011.

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

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

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

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

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

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

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

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

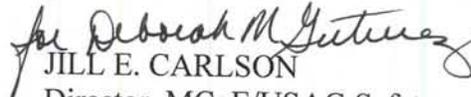
2. Document received on 16 February 2012.

3. Concur.

ATZB-SO

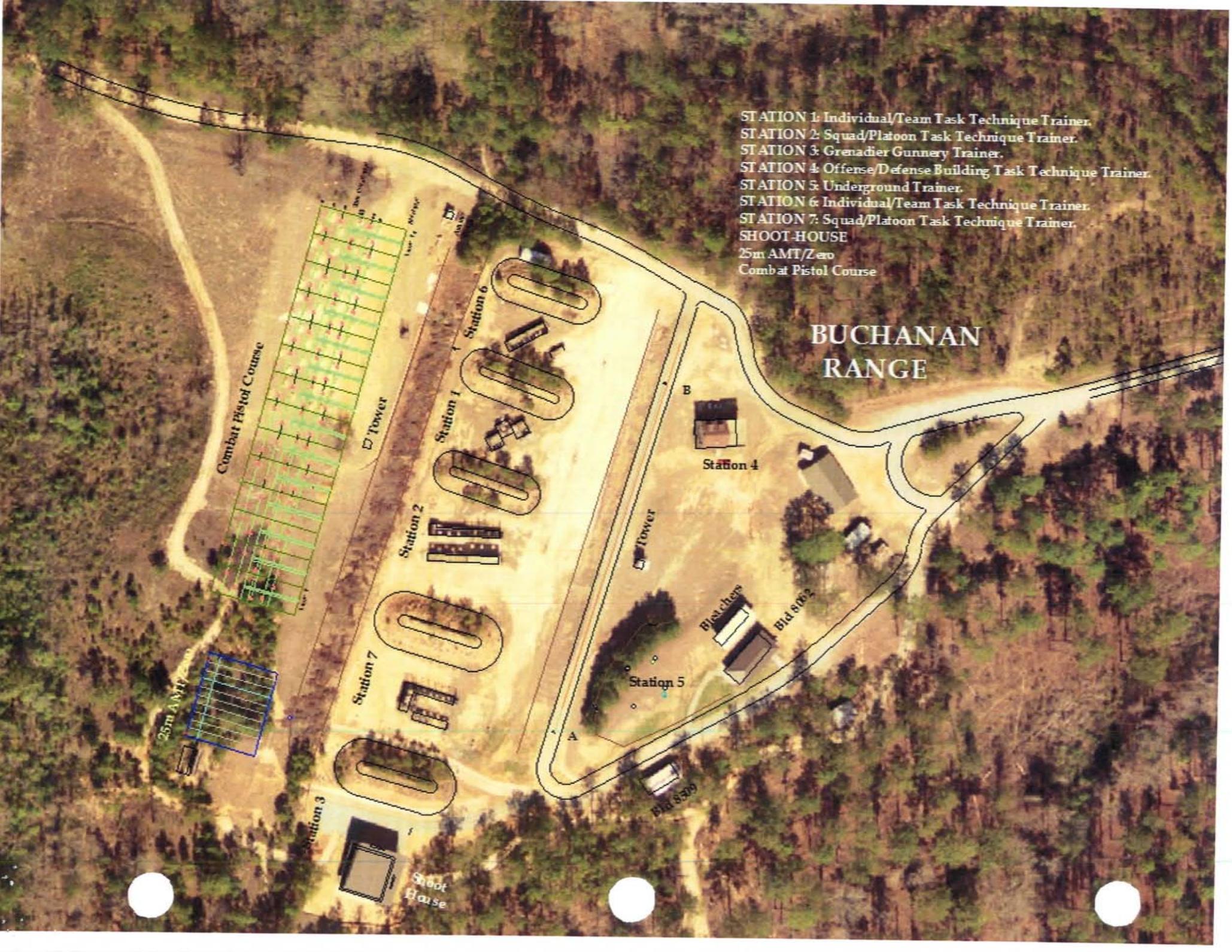
SUBJECT: WHINSEC 25M Zero, Alternate Qualification, CQM, Shootouse, and Combat Pistol Course at Buchanan Range Concept and Safety Review.

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


JILL E. CARLSON
Director, MCoE/USAG Safety

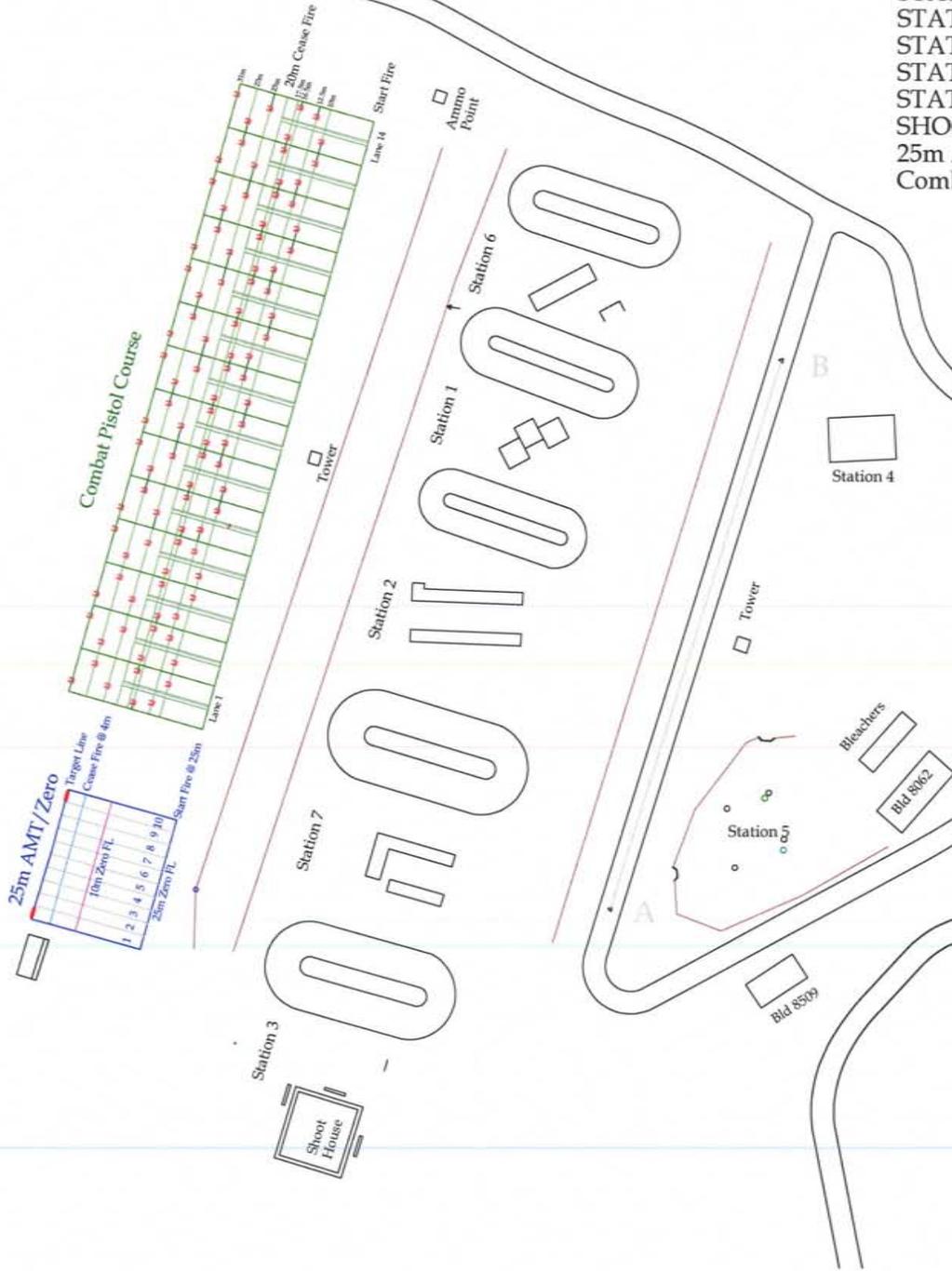
STATION 1: Individual/Team Task Technique Trainer.
STATION 2: Squad/Platoon Task Technique Trainer.
STATION 3: Grenadier Gunnery Trainer.
STATION 4: Offense/Defense Building Task Technique Trainer.
STATION 5: Underground Trainer.
STATION 6: Individual/Team Task Technique Trainer.
STATION 7: Squad/Platoon Task Technique Trainer.
SHOOT HOUSE
25m AMT/Zero
Combat Pistol Course

BUCHANAN RANGE



- STATION 1: Individual/Team Task Technique Trainer.
- STATION 2: Squad/Platoon Task Technique Trainer.
- STATION 3: Grenadier Gunnery Trainer.
- STATION 4: Offense/Defense Building Task Technique Trainer.
- STATION 5: Underground Trainer.
- STATION 6: Individual/Team Task Technique Trainer.
- STATION 7: Squad/Platoon Task Technique Trainer.
- SHOOT-HOUSE
- 25m AMT/Zero
- Combat Pistol Course

BUCHANAN RANGE



Buchanan Range WHINSEC Zero/CQM/Combat Pistol/Shoothouse (Log #10-17-11) 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 FM5-19; the proponent agency is TRADOC

1. MSN/TASK Buchanan Range	2a. DTG BEGIN 31 July 2010	2b. DTG END 30 July 2012	3. DATE PREPARED (YYYYMMDD) 20100726
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4. PREPARED BY:		
a. LAST NAME HEBERLIG, ERIC E.	b. RANK GS-12	c. POSITION Safety and Occupational Health Manager

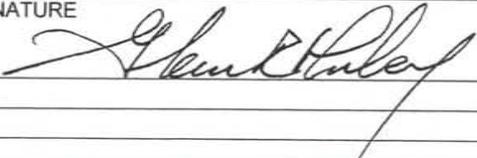
5. SUBTASK	6. HAZARDS	7. INITIAL RISK LEVEL	8. CONTROLS	9. RESIDUAL RISK LEVEL	10. HOW TO IMPLEMENT	11. HOW TO SUPERVISE (WHO)	12. WAS CONTROL EFFECTIVE?
Conduct Weapons Firing.	Injury due to a weapon malfunction.	Probability: Seldom Severity: Critical Moderate	Safety briefing will cover weapons malfunction procedures. Prior to range training, all personnel will receive training on clearing a malfunction and immediate action. Weapons maintenance and functions checks IAW applicable TMs on a daily basis.	Probability: Unlikely Severity: Critical Low	Safety Briefing. FM 3-22.9, Change 4. FM 3-23-35, Change 1.	NCOIC/RSO conducts safety briefing.	
	Injury due to accidental discharge or weapon.	Probability: Seldom Severity: Critical Moderate	Safety training will reiterate weapons safety and proper position of weapons. Range safeties will observe firers for any unsafe acts. All firers have the authorities to call a cease fire if an unsafe act is observed. All personnel will wear the ballistic helmet. All firers will use the clearing barrel or they will be rodded off the range.	Probability: Unlikely Severity: Critical Low	Safety Briefing. FM 3-22.9, Change 4. FM 3-23-35, Change 1.	NCOIC/RSO conducts safety briefing.	
	Cadre/student firing outside range limits	Probability: Seldom Severity: Catastrophic High	Range limits will be properly identified, briefed, and emphasized during firing.	Probability: Unlikely Severity: Catastrophic Moderate	Safety Briefing. Range SOP.	NCOIC/RSO Conducts safety briefing.	

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. NAME GLENN R. HUBER, JR.	b. RANK COL	c. DUTY POSITION Commandant	d. SIGNATURE 
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RISK MANAGEMENT WORKSHEET
CONTINUATION

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?
Conduct Weapons Firing.	Injury to eye due to brass or shrapnel.	Probability: Seldom Severity: Critical Moderate	Firers and Instructors will be instructed to avoid approaching or placing themselves in the path of the ejected rounds during firing. Instructors and safeties will enforce eye protection during training.	Probability: Unlikely Severity: Marginal Low	Safety Briefing. Range SOP. MCoE Reg 350-19.	NCOIC/RSO conducts safety briefing. Cadre enforces standards.	
	Individual receives injury requiring first-aid.	Probability: Occasional Severity: Marginal Moderate	Have medic or combat lifesaver with aid-bag. A dedicated vehicle (truck with overhead protection or van) will be on-site and available for use as an ambulance.	Probability: Seldom Severity: Negligible Low	Range SOP. MCoE Reg 350-19.	CLS will remain on location at all times with all required medical equipment.	
	Individual receives serious injury requiring medical evacuation.	Probability: Occasional Severity: Critical High	Maintain communication with Range Control and evacuate via ground ambulance or MEDEVAC helo. Have nine-line format in Range Book.	Probability: Seldom Severity: Critical Moderate	Range SOP. MCoE Reg 350-19. Nine-Line Format.	RSO will notify Range Control for further instructions.	
Operate Army/GSA Vehicle.	Vehicle Incidents.	Probability: Seldom Severity: Critical Moderate	All personnel will wear Kevlar or ballistic helmets when riding in a tactical vehicle. All personnel will wear seatbelts. All vehicles will employ ground guides when operating in motor pools, assembly areas, or near troops. The senior individual in a vehicle will assume command (TC) and will be responsible for that vehicle, driver, and all occupants. Personnel will not sleep under or near vehicles. Designated sleeping areas will be marked and situated away from roads or assembly areas. Personnel will be briefed prior to riding in or operating around all vehicles. TCs will ensure that drivers obey posted speed limits or modify speed to meet road and weather conditions. Physical training and dismounted road marches will use road guards to control traffic. Reflective equipment will be utilized.	Probability: Unlikely Severity: Critical Low	Safety Briefing. Daily Risk Management Worksheet. MCoE Reg 350-19.	OIC/NCOIC and TC will supervise.	

**RISK MANAGEMENT WORKSHEET
CONTINUATION**

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?
Conduct Weapons Firing.	Soldier receives a hot weather injury.	Probability: Seldom Severity: Catastrophic High	<p>Ensure that leaders and students monitor each other for signs or symptoms. Ensure that water is on site as needed. Dress according to the weather. Conduct safety briefing. Leaders monitor wet bulb on site. Students with previous heat injuries will be identified.</p> <p>Heat Cat 1: Wet Bulb Global Temperature (WBGT) Index F: 78 to 81.9; water intake: at least ½ qt/hr; hard work/rest 40/20 minutes. Extremely intense physical exertion may cause heat injury.</p> <p>Heat Cat 2: WBGT Index F: 82 to 84.9; water intake: at least 1qt/hr; hard work/rest 30/30 minutes. Use discretion in planning heavy exercise.</p> <p>Heat Cat 3: WBGT Index F: 85 to 87.5; water intake: 1qt/hr; hard work/rest 30/30 minutes. Suspend strenuous exercise during the first three weeks of training. Training activities may continue on a reduced scale after the third week of training. Avoid or minimize activity directly in the sun.</p> <p>Heat Cat 4: WBGT Index F: 88 to 89.9; water intake: at least 1 ½ qt/hr; hard work/rest 20/40 minutes. Curtail strenuous exercise for all personnel with less than 12 weeks of hot weather training (if possible).</p> <p>Heat Cat 5: WBGT Index F: 90 and up; 1 ½ qt/hr; hard work/rest: 10/50 minutes. Physical training and strenuous exercise are suspended. Essential operational commitments, not training, where risk of heat casualties may be warranted, is excluded from suspension. Enforce water intake to minimize heat injuries. Avoid over-hydration by drinking no more than 1.5 qts/hr; no more than 12 qts/24 hrs.</p>	Probability: Seldom Severity: Critical Moderate	Safety Briefing. Monitor Range Control. Monitor WBGT. Combat Lifesaver at training site. Utilize the Kestrel temperature device if available. Ice sheets on hand when air temperature exceeds 75 degrees F.	RSO/Instructors will enforce water consumption throughout the training day. PI will initiate ice sheet (Man Down) drills as required.	
	Cold weather injury.	Probability: Occasional Severity: Catastrophic High	Wind-chill will be closely monitored and leaders will be immediately notified of any change. Cadre will ensure Soldiers wear proper clothing. Soldiers with previous cold weather injuries will be identified. The buddy system will be used.	Probability: Seldom Severity: Critical Moderate	Daily Safety Briefing. Check hands and feet daily. Monitor Range Control.	Instructors will ensure all students deploy to the field with sufficient cold weather clothing.	



RECORD OF ENVIRONMENTAL CONSIDERATION (REC)



EMD Number: 1125010

Project#: 2567

Project Title: Counter Drug Exercises and Medical Litter Evacuation Operations

Description of proposed action:

Unit will be conducting small unit dismounted patrols and dismounted counterdrug exercises. Unit will also conduct small unit patrolling tactics. Military personnel will be conducting medical training under combat conditions, patrolling, engineer battle drill, TLP, triage training. Vehicles are only for support and will drive off tank trails.

Project Location:

Buchanan Range

Amount, Description, Location of Disturbance/Digging:

none

Number/Types of Vehicles:

3 ea GSAs 2 Vans,

Number of Personnel:

None

Type of Ammunition:

Smoke, simulators
Blank

Number/Types of Trees:

none

Size of Project Area:

Duration of Action: Start: 10/1/2011

Stop: 9/30/2012

Proponent: ray garcia

545-3491

Organization/Unit: WHINSEC, SSS

DECISION: Concur with conditions

This Action qualifies for a Categorical Exclusion **I-3** of Appendix B, (32 CFR 651)

(I-3): Intermittent on-post training activities (or off-post training covered by an ARNG land use agreement) that involve no live fire or vehicles off established roads or trails. Uses include, but are not limited to, land navigation, physical training, Federal Aviation Administration (FAA) approved aerial overflights, and small unit level training.

REC APPROVED THROUGH 30 SEPTEMBER, 2012

CWA - Training

Conditions:

Felix Seda (706 545 9879), 9/8/2011

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.

EMD Number: 1125010

IJO#

Counter Drug Exercises and Medical Litter
Project Title: Evacuation Operations

Hazardous Materials/Waste

Conditions:

Dudley Carson (706 545 7570), 9/13/2011

Considerations for Field Training Exercises and Range Operations

1. 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.

2. 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/MCOE Reg 350-19, dated 23 July 2010.

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.

4. Contact POC for questions or additional guidance.

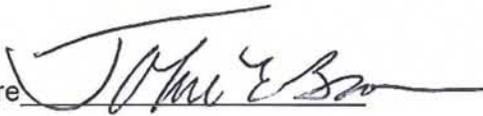
Natural Resources - RCW

Conditions:

Michael Barron (706 544 7080), 9/7/2011

See attached conditions. Note locations of red-cockaded woodpeckers 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). Units may fire on existing ranges but must make every effort to contain their firing to the established range footprints. Targets may not be moved from their current positions nor may new targets be established without approval via a separate 144R and a site visit with this office.

Signature



John E Brown

NEPA Program Manager

Date

14 Sep 2011

Signature



Christopher E. Hamilton, PhD

EPMB Chief

Date

14 Sep 11

RECORD OF ENVIRONMENTAL CONSIDERATION (FB FORM 144R) CONTINUED....

RECORD NUMBER: 1125010

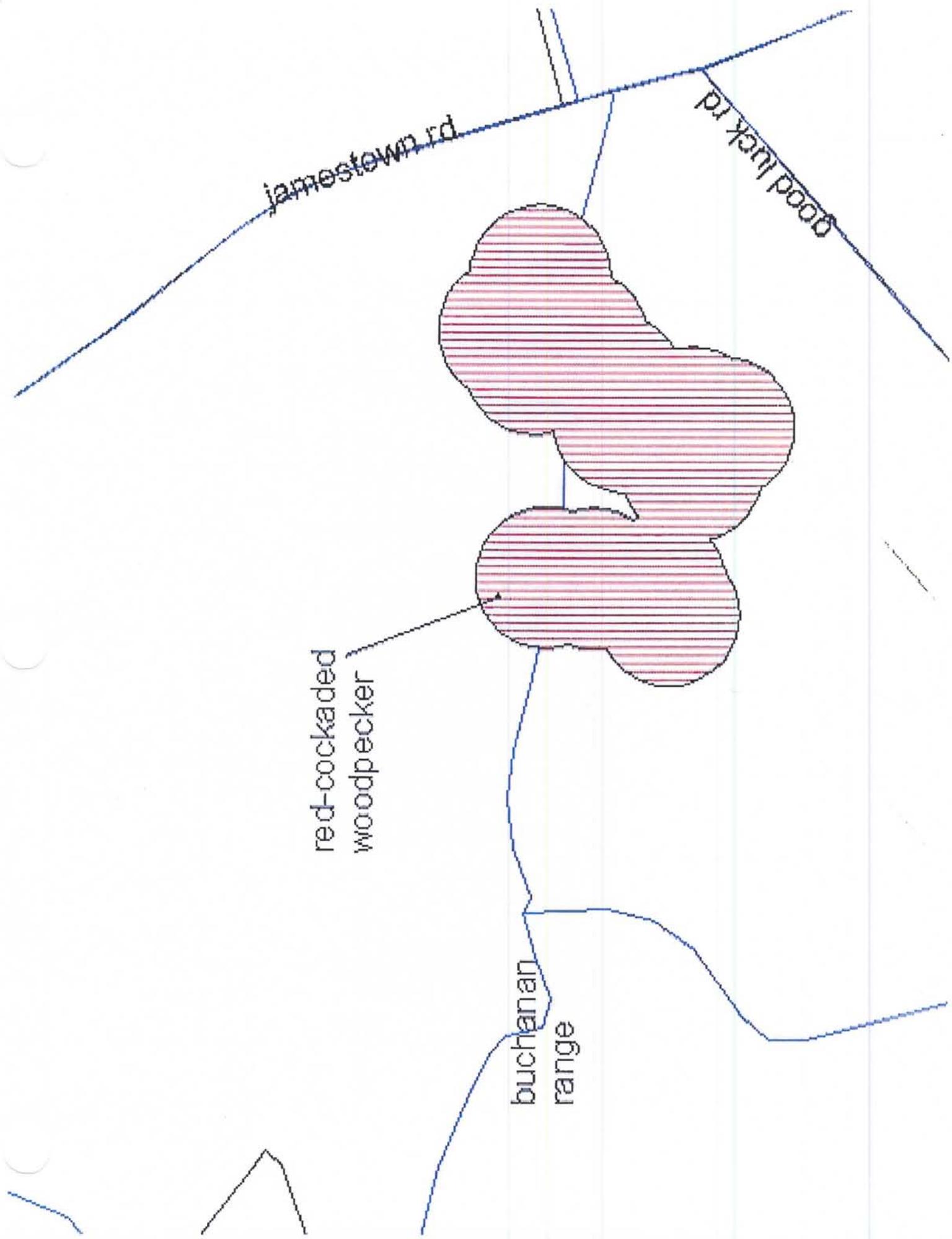
1. Backfill all fighting positions before leaving the training area.
2. There is one Red-cockaded woodpecker cluster in the area of Buchanan Range at centerpoint GL 01870-79902. Two white bands mark cavity (nest) trees. The cluster boundaries extend approximately 200 feet from the cavity trees and are marked by signs indicating the area is an RCW cluster.
 - a. **Activities in cluster boundaries are limited to 2 hours with the following activities allowed:** Hasty defense-light infantry-hand digging, foot traffic, wheeled-vehicle traffic (must stay 50 feet from marked trees), vehicle maintenance, 7.62-mm and lower blank firing, artillery/hand grenade simulators, Hoffman type devices, smoke/haze operations-generators or pots (smoke can drift into, but source must be outside boundary), star cluster/parachute flare, cutting of hardwoods for camouflage (do not cut pines).
 - b. **The following activities are not allowed in the cluster boundary:** No other digging, establishment of command post, assembly area operations, established CS/CSS sites, live fire, noise generators, incendiary devices (including trip flares), CS/Riot gas, HC smoke, tank ditches, deliberate individual fighting positions, crew served fighting positions, vehicle fighting positions, force reduction positions, vehicle survivability postings.
 - c. Within ½ mile of a cluster, there is no mechanical digging within 20 feet of a mature pine tree (8 inches diameter at breast height or greater).
 - d. No target positions may be created, moved or expanded without concurrence with Conservation Branch.
3. Report all wildfires to Range Control ASAP.

MICHAEL G. BARRON
Wildlife Biologist, NRMB
544-7080/7319

TRAINING ACTIVITY WITHIN 200' BUFFER ZONE	
Maneuver and Bivouac:	
Hasty defense, Light Infantry, Hand digging only, 2 hrs max	yes
Foot Transit	yes
Wheel/Track Vehicle Transit	yes (1)
Cutting Hardwood Camouflage	yes
Vehicle Maintenance, 2 hrs max	yes
Hasty defense, Mechanized Infantry/Armor	no
Deliberate Defense, Light Infantry	no
Deliberate Defense, Mechanized Infantry/Armor	no
Established Command Post, Light Infantry	no
Assembly Area Operations, Light Infantry, Mech Infantry/Armor	no
Established CS/CSS Sites	no
Weapons Firing:	
7.62mm and Below Blank Firing	yes
.50 Cal Blank Firing	yes
Artillery Firing Position	no
MLRS Firing Position	no
All Others	no
Noise:	
Artillery/Hand Grenade Simulators	yes
Hoffman Type Devices	yes
Generators	no
Pyrotechnics/Smoke:	
Smoke, Haze Operations, Generators or Pots	yes (2)
Smoke Grenades	yes
Star Cluster/Parachute Flares	yes
Incendiary Device to Include Trip Flares	no
CS/Riot Gas	no
HC smoke of Any Type	no
Digging:	
Hasty Individual Fighting Positions, Hand Digging Only	yes
Tank Ditches	no
Deliberate Individual Fighting Positions	no
Crew-served Weapons Fighting Positions	no
Vehicle Fighting Positions	no
other survivability/Force Reduction positions	no
Vehicle Survivability Postings	no

Note: Yes means that the activity may be conducted within 200 feet of a marked cavity tree

- (1) Vehicles (wheel and track) will not get closer than 50 feet of a marked cavity tree unless on an existing road or trail
- (2) Smoke generators and smoke pots will not be set up within 200 feet of a marked cavity tree, but the smoke may drift inside the 200 foot buffer



jamestown rd

good luck rd

red-cockaded
woodpecker

buchanan
range

FIELD TRAINING EXERCISES AND DEPLOYMENT
GENERAL SPCC CHECKLIST
Figure 8.9.1

Units should continually keep HM/HW areas clean and orderly by applying the principals of Monitoring and Housekeeping, Vehicle Maintenance and Fueling Points, HW Collection Points and HM Storage & Supply Areas may not be set up at your field training area and/or deployment destination.

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

Plan to build your areas to prevent HM accidents before they occur. An easy way to remember what to check, is to remember your CHECK list:

Containment:

- ___ Ensure that secondary containment is used and in good condition.
- ___ Empty water within secondary containment on a regular basis. If water is contaminated, dispose of it IAW the Unit Hazardous Waste Management Plan.

HM/HW locations:

- ___ Make sure the locations of your HM/HW are well chosen. Stay away from waterways, drainage, sensitive areas, living areas, bunkers, ammunition storage, fence lines and/or dining facilities. Place them near the areas where hazardous materials are used.
- ___ Put up warning signs and keep them clean and orderly.

Environmental Documentation:

- ___ Maintain MSDSs for each hazardous material and update Unit/Activity SOPs and Spill Response Plans regularly.

Containers:

- ___ Check condition of containers and keep containers of incompatible materials in proper order.

Kits:

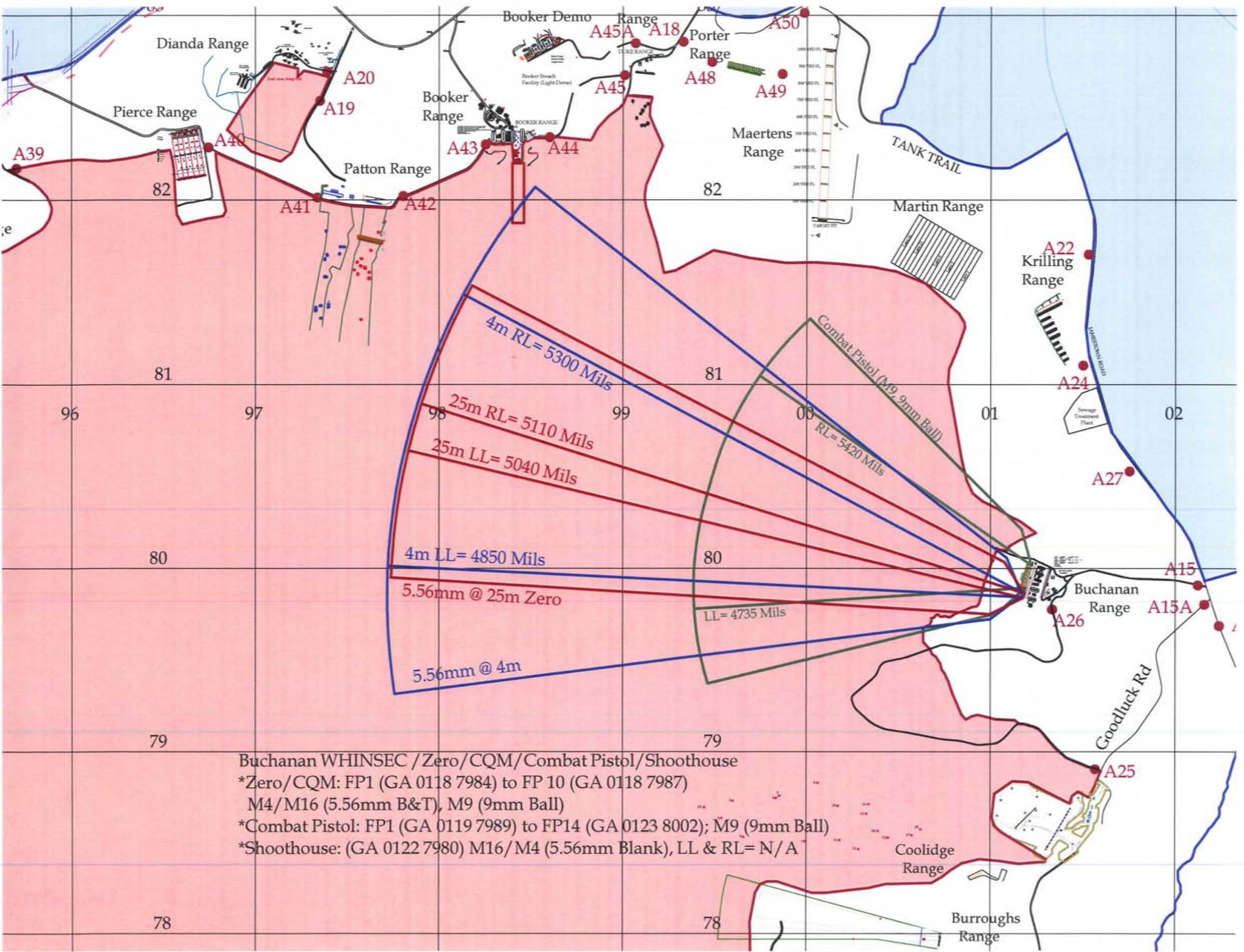
- ___ Place Spill Kits, First Aid Kits, and Emergency Response Kits in the vicinity of the HM/HW areas.
- ___ Spill Kits should also be available on vehicles transporting hazardous material/waste.

SPILL RESPONSE RECORD

PHASE I - IMMEDIATE ACTIONS FOR EVALUATING AND REPORTING SPILLS:

IMMEDIATELY REPORT ALL SPILLS TO YOUR SUPERVISOR AND CALL 911
****BE PREPARED TO PROVIDE THE FOLLOWING INFORMATION TO 911 OPERATOR:**
During Duty Hours also Call Mr. Felix Soda, EPMB Spill Manager at 545-9879

1. DATE/TIME OF SPILL: _____
 2. LOCATION: _____
 3. MATERIAL SPILLED (include NSN and ingredients, if able): _____
 4. HAZARD: FLAMMABLE _____ TOXIC _____ CORROSIVE _____
OXIDIZER _____ REACTIVE _____ UNKNOWN _____
OTHER (specify) _____
 5. CAUSE OF SPILL: _____
 6. DESCRIPTION OF SPILL QUANTITY, SIZE AND TYPE OF AREA AFFECTED:
 - a. Quantity Released and Size of Spill Area: _____
 - b. Soil: _____
 - c. Pavement: _____
 - d. Vegetation: _____
 - e. Storm or Sewer Drain: _____
 - f. Name of Body of Water (River, Creek, Pond, Lake, Drainage Ditch): _____
 7. HAS RELEASE BEEN STOPPED? _____
 8. HAS RELEASE BEEN CONTAINED? _____
 9. DID RELEASE CROSS INSTALLATION BOUNDARIES? (IF YES, DESCRIBE LOCATION) _____
 10. TYPE AND EXTENT OF INJURIES, IF ANY: _____
- **Provide a copy of this form to DPW EPMB Spill Program Manager or FAX to 545-4208**
- PHASE II - POST-SPILL RESPONSE AND CLEAN UP ACTIONS:**
11. DESCRIBE CLEAN-UP METHOD AND CONTAINMENT PROCEDURES: _____
 12. NAME OF CONTRACTOR INVOLVED IN CLEAN-UP: _____
 13. ESTIMATED AMOUNT OF SPILL RESIDUE AND CONTAMINATED MATERIAL REMOVED: _____



Buchanan WHINSEC / Zero/CQM/Combat Pistol/Shoothouse
 *Zero/CQM: FP1 (GA 0118 7984) to FP 10 (GA 0118 7987)
 M4/M16 (5.56mm B&T), M9 (9mm Ball)
 *Combat Pistol: FP1 (GA 0119 7989) to FP14 (GA 0123 8002); M9 (9mm Ball)
 *Shoothouse: (GA 0122 7980) M16/M4 (5.56mm Blank), LL & RL= N/A