

**FIRING/NONFIRING DATA**

*For use of this form see USAIC Regulation 350-19; the proponent agency is DPTMS*

<b>TO:</b> Chief, Range Division, Directorate of Plans, Training, Mobilization and Security Fort Benning, GA 31905	<b>Date:</b> 25 February 2015 <span style="float: right; background-color: yellow;">Log #11-1-14</span> <b>Range:</b> Booker Range <b>Title:</b> Booker range Complex <b>Problem No:</b>
<b>THRU:</b> 75th Ranger Regiment Fort Benneig, GA. 31905	<b>FROM:</b> S3, RSTB, 75th Ranger Regiment Fort Benneig, GA. 31905

**SECTION I, TYPE OF TRAINING**

a. Live Fire     
  b. Non-live Fire     
 CP/Controller Coordinates: FA 9837 8245

**SECTION II, DEMOLITIONS/GRENADES/MINES/PYROTECHNICS**

Coordinates	Type	Model/DODAC	Size of Charges
See Weapon & Ammo List			

**SECTION III, WEAPONS/AMMUNITION REQUESTED**

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

**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:
---	---

Name/rank of requesting officer: Glenn, Burkey, CPT, Training Officer 	Name/rank of Major Unit S3/Commander: Peter S Shull, COI/ Deputy Commander 
--	---

**SECTION VI, FOR RANGE DIVISION USE**      **DATE:** 27 FEB 15

<b>TO:</b> 75th Ranger Regiment Fort Benneig, GA. 31905	<b>FROM:</b> Range Division, Directorate of Plans, Training, Mobilization and Security Fort Benning, GA 31905
--	--

<b>a. Roadblocks to be closed:</b> <b>b. Road(s) to be closed/road barrier locations:</b> <b>c. Remarks:</b> <b>d. This approval expires:</b> 26 FEB 17	A: 8, 18, 22, 23A, 24, 25, 26, 30, 33A, 34, 42, 43, 44. The Following Roadblocks Apply When Using The Breaching Facility A: 44, 45, 45A, 46, 47. Guards with communications with OIC will be placed at A45A roadblock when using the Breaching Facility to control traffic.
--	---

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

**Booker Range Complex 75th Ranger Regiment (Log #11-1-14) Weapons/Ammunition Enclosure (Page 1 of 3)**

Firing Positions	Weapons	Ammunition	Left Limit of Fire Mils, Grid Azimuth	Right limit of Fire Mils, Grid Azimuth
<p align="center">Range 1 10 Meter Zero, 25 Meter Zero: FP 1 9850 8236 to FP 11 9847 8235</p>	<p align="center">M240/MK48/MK17 M4/M16/MK16, M249/MK46 Pistols, Shotguns</p>	<p align="center">7.62mm Ball/Tracer 5.56mm Ball/Tracer 9mm, .40 cal, .45 Cal, .00 buck Slug/hatton</p>	<p align="center">(10m) 3060 (25m) 3115</p>	<p align="center">(10m) 3245 (25m) 3190</p>
<p align="center">Range 1 Sniper Familiarization: FP 1 9850 8236 to FP 11 9847 8235</p>	<p align="center">M24/M110/SR25/ MK17/AR10 M2010/300 Win Mag M107 Barret M82, .338 Lapua</p>	<p align="center">7.62mm M118 LR .300 Win Mag .50 Cal Ball, .338 Lapua</p>	<p align="center">3145</p>	<p align="center">3165</p>
<p align="center">Range 1 *5 Meter CQM: 9850 8231 to 9847 8231 *50 Meter CQM: 9850 8236 to 9847 8235</p>	<p align="center">M240/MK48/MK17 M4/M16/MK16, M249/MK46 Pistols, Shotguns MK17</p>	<p align="center">7.62mm Ball/Tracer 5.56mm Ball/Tracer 9mm, .40 cal, .45 Cal, .00 buck Slug/hatton 7.62mm M118 LR (50m CQM)</p>	<p align="center">(5m) 2970 (50m) 3135</p>	<p align="center">(5m) 3340 (50m) 3170</p>
<p align="center">Range 1 *4 Meter STRESS FIRE: 9850 8226 to 9847 8226 *100 Meter STRESS FIRE: 9850 8236 to 9847 8235</p>	<p align="center">M240/MK48/MK17 M4/M16/MK16, M249/MK46 Pistols, Shotguns</p>	<p align="center">7.62mm Ball/Tracer 5.56mm Ball/Tracer 9mm, .40 cal, .45 Cal, .00 buck Slug/hatton</p>	<p align="center">(4m) 2925 (100m) 3145</p>	<p align="center">(4m) 3385 (100m) 3165</p>
<p align="center">Range 2 Known Distance 400 Meter FL: FP 1 9844 8237 to FP 16 9841 8237</p>	<p align="center">M4/M16/MK16, M249/MK46 M240/MK48 M24/M110/SR25/ MK17/AR10 M2010/300 Win Mag M107 Barret M82, .338 Lapua</p>	<p align="center">5.56mm Ball/Tracer 7.62mm Ball 7.62mm M118 LR .300 Win Mag .50 Cal Ball, .338 Lapua</p>	<p align="center">3170</p>	<p align="center">3175</p>
<p align="center">Range 2 Known Distance 300 Meter FL: FP 1 9844 8227 to FP 16 9842 8227</p>	<p align="center">M4/M16/MK16, M249/MK46 M240/MK48 M24/M110/SR25/ MK17/AR10 M2010/300 Win Mag M107 Barret M82, .338 Lapua</p>	<p align="center">5.56mm Ball/Tracer 7.62mm Ball 7.62mm M118 LR .300 Win Mag .50 Cal Ball, .338 Lapua</p>	<p align="center">3170</p>	<p align="center">3175</p>
<p align="center">Range 2 Known Distance 200 Meter FL: FP 1 9845 8217 to FP 16 9842 8217</p>	<p align="center">M4/M16/MK16, M249/MK46 M240/MK48 M24/M110/SR25/ MK17/AR10 M2010/300 Win Mag M107 Barret M82, .338 Lapua</p>	<p align="center">5.56mm Ball/Tracer 7.62mm Ball 7.62mm M118 LR .300 Win Mag .50 Cal Ball, .338 Lapua</p>	<p align="center">3170</p>	<p align="center">3175</p>

**NOTES:**

**LASERS:** Various Lasers will be used. Laser warning signs will be in place during use.

**AMMO:** 5.56mm M855A1 EPR and 7.62mm M80A1 EPR will not be used until final approval is granted.

**Booker Range Complex 75th Ranger Regiment (Log #11-1-14) Weapons/Ammunition Enclosure (Page 2 of 3)**

Firing Positions	Weapons	Ammunition	Left Limit of Fire Mils, Grid Azimuth	Right limit of Fire Mils, Grid Azimuth
Range 3 <b>*4 Meter STRESS FIRE:</b> 9839 8227 to 9836 8227 <b>*100 Meter STRESS FIRE:</b> 9839 8237 to 9836 8237	M240/MK48/MK17 M4/M16/MK16, M249/MK46 Pistols, Shotguns	7.62mm Ball/Tracer 5.56mm Ball/Tracer 9mm, .40 cal, .45 Cal, .00 buck Slug/hatton	(4m) 2945 (100m) 3165	(4m) 3400 (100m) 3180
Range 3 <b>*5 Meter CQM:</b> 9839 8232 to 9836 8232 <b>*50 Meter CQM:</b> 9839 8237 to 9836 8237	M240/MK48/MK17 M4/M16/MK16, M249/MK46 Pistols, Shotguns MK17	7.62mm Ball/Tracer 5.56mm Ball/Tracer 9mm, .40 cal, .45 Cal, .00 buck Slug/hatton 7.62mm M118 LR (50m CQM)	(5m) 2990 (50m) 3155	(5m) 3355 (50m) 3190
Range 3 <b>Sniper Familiarization:</b> 9839 8237 to 9836 8237	M24/M110/SR25/ MK17/AR10 M2010/300 Win Mag M107 Barret M82, .338 Lapua	7.62mm M118 LR .300 Win Mag .50 Cal Ball, .338 Lapua	3165	3180
Range 4 <b>*10 Meter Zero, 25 Meter Zero:</b> FP 1 9834 8237 to FP 10 9831 8237	M240/MK48/MK17 M4/M16/MK16, M249/MK46 Pistols, Shotguns	7.62mm Ball/Tracer 5.56mm Ball/Tracer 9mm, .40 cal, .45 Cal, .00 buck Slug/hatton	(10m) 3080 (25m) 3135	(10m) 3265 (25m) 3210
Range 4 <b>*4 Meter STRESS FIRE:</b> 9834 8233 to 9831 8233 <b>*50 Meter STRESS FIRE:</b> 9834 8237 to 9831 8237	M4/M16/MK16, M249/MK46 Pistols, Shotguns	5.56mm Ball/Tracer 9mm, .40 cal, .45 Cal, .00 buck Slug/hatton	(4m) 2945 (50m) 3155	(4m) 3400 (50m) 3190
Range 4 <b>*5 Meter CQM:</b> 9834 8233 to 9831 8233 <b>*50 Meter CQM:</b> 9834 8237 to 9831 8237	M4/M16/MK16, M249/MK46 Pistols, Shotguns	5.56mm Ball/Tracer 9mm, .40 cal, .45 Cal, .00 buck Slug/hatton	(5m) 2990 (50m) 3155	(5m) 3355 (50m) 3190
Station 4 (Offense/Defense Building) <b>Sniper Familiarization:</b> 9839 8239 NOTE: Targets are #5 Through #15 in the 400m KD Target Pit	M24/M110/SR25/ MK17/AR10 M2010/300 Win Mag M107 Barret M82, .338 Lapua	7.62mm M118 LR .300 Win Mag .50 Cal Ball, .338 Lapua	3070	3120
Station 4 (Offense/Defense Building) 9839 8239	M4/M16/MK16, M249/MK46	5.56mm Blank, UTM/CCMCK/Sims	N/A	N/A

**NOTES:**

**LASERS:** Various Lasers will be used. Laser warning signs will be in place during use.  
**AMMO:** 5.56mm M855A1 EPR and 7.62mm M80A1 EPR will not be used until final approval is granted.

**Booker Range Complex 75th Ranger Regiment (Log #11-1-14) Weapons/Ammunition Enclosure (Page 3 of 3)**

Firing Positions	Weapons	Ammunition	Left Limit of Fire Mils, Grid Azimuth	Right limit of Fire Mils, Grid Azimuth
<u>Shoot House:</u> 9833 8248	M4/M16/MK16 Pistols, MP-5 Shotguns 12ga Laser	5.56mm Blank/Ball 9mm, .40 cal, .45 Cal, UTM/Sims .00Buck/Hatton LA-5, PEQ-15	N/A	N/A
<b>Breach Site Station 3:</b> Right Side: 9852 8280 to 9850 8282 Left Side: 9853 8284 to 9854 8281 South Side: 9854 8280 to 9853 8279	Shotguns 12ga	00 Buck/Hatton/Breaching Round	(Right) 4105 (Left) 0905 (South) 2400	(Right) 4505 (Left) 1305 (South) 3000
<b>Breach Site Station 2:</b> 9858 8285 to 9858 8284 <b>Breach Site Station 4:</b> 9848 8279 to 9847 8278	Flashbang ECT 300/600 Grain ECT 1200 Grain DET 6.4 sec. Non-Electric Demo sheet C1, C2,C3,C6, C8 M112 C4 20'/40' Non-Electric, Deta Prime Booster, Shock Tube	DWBS, X688,X699 X470/471/472 X472/X611, M456 X640, X643, X646, X649 X651 M023 X604/605/455/467/608/611/616	<p align="center"><b>Amount</b></p> (02) 1.2G Articles, Pyrotechnics 1.1D charges shape flexible linear 1.1Dflexiable linear 1.1D Strip Charge 1.25lbs or less	

NOTES:

**FX/CCMCK (SIMUNITIONS):** When used in the Offense/Defense Building, a 75m area in all directions of fire will be cleared of all non-participating personnel.  
**LASERS:** Various Lasers will be used. Laser warning signs will be in place during use.  
**AMMO:** 5.56mm M855A1 EPR and 7.62mm M80A1 EPR will not be used until final approval is granted.  
**SHOOT HOUSE:** Authorized to Fire Dodic XB01 5.56mm Lead Free Ball Ammunition.



REPLY TO  
ATTENTION OF

**DEPARTMENT OF THE ARMY**  
HEADQUARTERS, 75 TH RANGER REGIMENT  
FORT BENNING, GEORGIA 31905-5853

AORG-CO

18 SEPT 2014

MEMORANDUM FOR: Chief, Range Operations, DPTMS, Fort Benning, Georgia, 31905

THRU: 75<sup>th</sup> Ranger Regiment, 6350 Ashley Ave., Fort Benning, Georgia 31905

SUBJECT: Booker Range Complex Consolidated Packet

1. References:

- a. RTC 350-10, 75<sup>th</sup> Ranger Regiment Marksmanship Manual, 17 JUNE 2009.
- b. DA PAM 385-63, Range Safety, 16 APRIL 2014.
- c. RTC 350-19, 75<sup>th</sup> Ranger Regiment Breaching Guide, JUNE 2013.
- d. MCoE 350-19, Range and Terrain Regulation, March 2013.
- e. FM 3-34.214, Explosives and Demolitions, 11 JULY 2007.

2. Purpose: The Booker Range Complex is designed to train Rangers and maintain proficiency in the fundamentals of marksmanship, Close Quarter Marksmanship (CQM), Known Distance (KD), stress shoot live fire exercises, shoot house live fire exercises, and breaching techniques.

3. Concept: The Booker Range Complex consists of three training areas: the demolitions training area, the shoot house, and the marksmanship ranges. One OIC can operate the shoot house or all marksmanship ranges during a singular training event. There must be two OICs if the shoot house and marksmanship ranges are operated simultaneously. One Medic can cover the shoot house and marksmanship ranges. The medic will be centrally located. In the event of an injury both the shoot house and marksmanship ranges will conduct a cease fire. The demolitions training area must have its own OIC, RSO and Medic while operating.

4. Demolitions training area:

a. Range Operations: When a unit occupies the demolitions training area, they will deliver and break down shotgun ammunition and explosives to the demolition field ammunition supply point. Storage of explosives at the ammunition point will be IAW DA-PAM 385-63, TM 9-1300-206 and FM 3-34.214/MCRP 3-17.7L. Blasting caps and explosives will be separated and stored in the field ammunition supply point. A guard will maintain control of the AHA. A minimum of two 10 BC fire extinguishers will be in the AHA. There will be no meals eaten inside the AHA and no smoking within 50ft of the AHA. All trash will be removed as it is generated. The breaching NCOIC will conduct all range orientation and safety briefs, issue radios as necessary and post a guard at the entrance gate to Booker Breaching Facility (A45A roadblock). The guard will remain in place while the range is occupied. The breaching NCOIC will request a hot

AORG-CO

SUBJECT: Booker Range Complex Consolidated Packet

opening code from Range Division Alpha Base prior to conducting live fire training.

b. Description of hands on training: Rangers will receive hands on training at station #1 DEMO pertaining to the safe employment of military explosives and breaching techniques. This training will include various methods of ballistic, thermal, mechanical, and explosive breaching utilizing all inert training aides. Rangers will learn to build eleven (11) charges utilizing MK 54 and M81 dual initiators (single and dual) and Pen Guns. Rangers will also train on mechanical and ballistic breaching of metal doors and locks.

c. Description of Live Fire: Breaching NCOIC/leaders will supervise the construction and placement of charges (Station #5 DEMO). Movement of charges from station #5 DEMO to station #2 DEMO and/or station #4 DEMO carrying the charge in one hand and the detonating system in the other and will be under close supervision of the RSO or Ranger Master Breacher. The charge will not be connected to the detonating system during any movement. All charges will be dual primed after they are placed on the door and locks. Once all charges are placed, Rangers will return to the bunker (Station #6 DEMO) except for the breach team. The breach team will remain outside the MSD at a 90 degree angle from the charge and behind blast shields. This is in accordance with the current approved waiver and MSD charge calculations and stand-off distance outlined in DA PAM 385-63 and RTC 350-19 with a Master Breacher or breaching RSO. Once the charges are detonated, the breaching NCOIC/RSO will determine the all clear. At this time Rangers will move from behind the blast shields and/or the bunker and inspect the detonated charges. All training will be conducted at a ten (10) to one (1) Ranger to instructor ratio to maximize training safety. In the event of a misfiring demolition charge, the call of "misfire" will be made and all personnel will remain in place for no less than 30 minutes. After 30 minutes, the breacher, Master Breacher or RSO will move to the charge and conduct a visual inspection. If the breacher, Master Breacher or RSO determine the charge is stable/safe, another charge will be placed next to the misfiring charge in order to detonate the charge in place. If the breaching RSO/NCOIC deems the charge to be unstable/unsafe he will notify EOD and all personnel will remain in the bunkers until EOD eliminates the unstable charge. (See weapons & ammo list and photo enclosure).

d. Ballistic breaching: Ballistic shotgun breaching will occur at station 3. Metal racks and BTI doors are secured to the ground at each station. BTI doors are specifically designed for ballistic breaching and are equipped with a bullet catching system to prevent shrapnel and debris. Prior to conducting live fire exercises, students will receive weapons familiarization and conduct multiple dry fire iterations. Door hinges and door strike locks will be made of soft metal and attached prior to conducting live fire operations. (See weapons & ammo list and photo enclosure).

e. Thermal Breaching: Thermal breaching (oxygen and plasma torch) will be conducted outside of station 6 DEMO in a gravel pit. Prior to conducting thermal breaching techniques, students will receive familiarization on the use of the torch system and conduct dry cutting iterations. Students will be supervised by an instructor and breaching RSO during live thermal breaching iterations. All cuts will be executed facing the northwest portion of the range. (See

weapons & ammo list and photo enclosure).

f. General Safety: Ballistic and explosive breaching will not be conducted simultaneously. A guard with communications equipment will be posted at the entrance to the range in order to control access during live fire operations. The guard will maintain continuous communications with the breaching OIC/NCOIC/RSO. The Range Division Alpha Base frequency will be monitored by the NCOIC/RSO. Charges will only be fired in designated areas. Students will remain in the bunker (Station 2 or 4 DEMO) after every blast until the all clear is given by the breaching NCOIC. All misfires will be handled IAW FM 3-34.214. A medic and designated casualty evacuation vehicle will be on the range at all times while occupied. Medical support will be provided IAW MCoE Regulation 350-19. The breaching NCOIC/RSO is responsible for safety within the area of range operations IAW AR 385-63. The minimum personal protective equipment (PPE) worn during live fire exercises will include ballistic helmet, body armor, gloves, hearing and eye protection. The breaching NCOIC/RSO will conduct inspections to ensure the proper uniform is worn during training. Ranger candidates will hydrate before, during and after training IAW Ft. Benning Form 7. Leaders will adjust uniform, work levels, and rest periods IAW USASOC Reg-385-1 and changing weather conditions.

#### 5. Shoot house

a. Commander's intent: Rangers conduct urban operations training in the Booker Range shoot house in order to maintain proficiency in Battle Drill 5 (entering and clearing rooms and hallways). Ranger urban operations training includes the use of blank, UTM and live ammunition in a combination of single team/single room through multiple team/multiple room training scenarios. Rangers conducting training within the shoot house will comply with all weapons, ammunition and lasers listed on the enclosed FT Benning form 350-19-1-E-R. All Rangers will receive a range safety brief prior to executing any training and upon occupation of the shoot house. Personnel will conduct dry and/or blank/UTM fire exercise prior to executing a live fire exercise (LFX) inside the shoot house. Prior to executing the LFX, the Commander, Executive Officer and/or First Sergeant will certify that the team is ready for the LFX by validating them on the dry and/or blank fire exercises.

b. Range operations: Upon arrival on the range, the Range Safety Officer (RSO) will issue a safety brief and discuss the layout of the range. The shoot house will be cordoned off from other training stations and will have a controlled, single access point to prevent personnel from entering the range unannounced or outside the safety boundaries. M855A1 (the enhanced performance round) is not authorized for use in any shoot house. The ammunition NCO and RSO will ensure M885A1 has not been dropped off at the AHA and that M885A1 ammunition has not been issued to any Rangers for shoot house iterations. The designated team conducting shoot house training will move to the shoot house ammunition point and draw the required ammunition for training and will not lock and load their weapons until they reach their station and instructed to lock and load by the OIC/RSO. Prior to entering the shoot house, the RSO will ensure that all weapons are on safe, and will inspect all PPE to include body armor, eye protection, hearing protection and gloves. Prior to executing any dry/blank fire or UTM iterations, the OIC/RSO will

ensure all blank firing adapters or UTM barrels and bolts are installed/removed as required. Additionally, the OIC/RSO will inspect all weapons, magazines and ammunition to ensure Rangers do not possess live ammunition. Prior to executing any "force on force" (UTM) training the shoot house OIC/RSO will inspect all weapons to ensure the proper UTM barrels and bolts are installed. During "force on force" training Rangers will not employ "head shots". The shoot house OIC/RSO will strictly enforce the minimum 5 meter engagement distance when using UTM rounds. Prior to executing any LFX, the OIC/RSO will ensure all other ammunition has been properly downloaded and all blank firing adapters and/or UTM barrels and bolts are removed. The mission begins with the team located at the entry point of the shoot house or a designated room within the shoot house. The OIC/RSO will have the team load weapons prior to entering the shoot house. The use of any distraction devices (flash bangs) will be in accordance with current unit SOPs and will comply with all post safety guidelines and regulations. The shoot house RSO will remain with the team throughout clearance operations in order to control the team's movement from room to room. When multiple teams execute training in the shoot house simultaneously an RSO will be assigned to each team throughout their maneuver. At all times the shoot house OIC and/or an additional shoot house RSO will remain on the catwalk above the maneuver element(s) in order to ensure safe maneuver. The shoot house OIC/RSO located on the catwalk will ensure that the team member's barrels are no less than 1 meter off any other team member's barrel at any given time. Additionally, the OIC/RSO will ensure that all team members maintain their barrels below the yellow safety line located along all interior shoot house walls.

c. Upon completion of each mission the OIC/RSO will confirm that all weapons have been cleared and placed on safe. The shoot house RSO maneuvering with the team will check to ensure that each weapon is unloaded, on safe and an ammunition check will be conducted. Expended brass will be disposed of in accordance with paragraph 5-15 in MCoE Regulation 350-19, MCoE Lead Abatement SOP and 75<sup>th</sup> Ranger Regiment Lead Compliance SOP.

d. Risk Mitigation Factors: Rangers of the 75<sup>th</sup> Ranger Regiment are highly trained in tactical marksmanship and have a strong knowledge of immediate action, remedial action and cease fire procedures. Prior to all exercises Rangers will be briefed on the safety areas and lateral limits inside the shoot house. Shoot house construction provides protection from rounds being fired from within the interior of the shoot house producing no risk of a  $(10^6)$  (1 in 1,000,000) errant round exiting the shoot house.

e. Shoot house safety: The shoot house NCOIC/OIC/RSO will maintain continuous communications with Range Division Alpha Base. A medic and designated casualty evacuation vehicle will be at the shoot house at all times while occupied. Medical support will be provided IAW MCoE Regulation 350-19. The NCOIC/RSO is responsible for safety within the area of range operations IAW AR 385-63. The minimum uniform worn during live fire exercises will include PPE to include ballistic helmet, body armor, gloves, hearing and eye protection. The shoot house NCOIC/RSO will conduct inspections to ensure the proper uniform is worn during training. Rangers/candidates will hydrate before, during and after training IAW FT. Benning Form 7. Leaders will adjust uniform, work levels, and rest periods IAW USASOC Reg-385-1

and changing weather conditions.

f. MEDEVAC: The shoot house NCOIC/RSO and on site medic will determine what type of medical evacuation is necessary for any injury. On site CASEVAC vehicles will be utilized for minor injuries. An ambulance will be utilized for injuries deemed critical. The NCOIC/RSO is responsible for calling E911 if necessary. The NCOIC/RSO will report all injuries to Range Division Alpha Base and higher headquarters IAW the published CCIR.

g. Police and Clearance of Range: Upon completion of all training, the range will be policed for trash and all debris will be removed. The breaching NCOIC will inspect the range for cleanliness prior to departure. The shoot house NCOIC will inspect the shoot house for cleanliness prior to departure. Any and all shoot house police calls and cleaning will be IAW the MCoE Lead Abatement SOP and 75<sup>th</sup> Ranger Regiment Lead Compliance SOP.

h. Command and Signal: The shoot house RSO/NCOIC will maintain communications with Range Division Alpha Base via FM at all times. The breaching NCOIC/RSO will maintain communications with the gate guard located at A45A roadblock.

## 6. Marksmanship ranges

a. Range operations: When a unit occupies the marksmanship ranges they will store all ammunition at the ammunition point IAW DA-PAM 385-63, TM 9-1300-206 and FM 3-34.214/MCRP 3-17.7L. There will be no meals eaten at the ammo point and no smoking within 50ft of the AHA. All trash will be removed from the ammo point as it is generated. The OIC/RSO will conduct all range orientation and safety briefs and issue radios as necessary. The OIC/RSO will request a hot opening code from Range Division Alpha Base prior to conducting live fire training.

b. Weapon Zero, Qualification, and Familiarization: Ranges 1 and 4 will conduct weapon zero, ALT-C qualification from the 10 and 25 meter firing line. Ranges 1 and 3 will conduct familiarization training at the 10, 25, 50, and 100 meter firing lines. During this training, Rangers will only engage targets within their assigned lane. Weapons will be cleared and placed on safe prior to checking and/or changing targets.

c. Known Distance Marksmanship: This training will be conducted on range 2 from the 400m, 300m, and 200m firing lines. Rangers will engage targets at various distances within their designated lane. All movement to and from the target pits will be controlled by the OIC/RSO. Range 1, 3, 4 and offense/defense building will cease fire when Rangers move downrange of the 300m firing line to occupy the 200m firing line and when changing KD target pit personnel. Firing will not resume until all Rangers are accounted for and under the overhead cover in the KD target pit and no one is located downrange beyond the 300m firing line. Additionally, the range 2 OIC/RSO has confirmed all pit personnel are properly positioned and conditions are set to resume firing. Targets to engage are located in the KD target pit. The target pit will have an RSO to ensure the safety of the target pit detail. The target pit RSO will maintain constant

communication with the Range 2 RSO.

d. Stress Shoot: This training will be conducted from the firing line to the targets on ranges 1, 3, and 4. Targets will be arrayed at various distances on ranges 1, 3, and 4. During this training, Rangers will be stressed physically and mentally prior to engaging a series of targets. There can be various firing positions consisting of barriers, walls, and windows on the course. Rangers will be trailed by an NCO/RSO throughout the entire exercise and only engage designated targets to their front. Regardless of the scheme of maneuver, Rangers will maintain a down range direction of fire on ranges 1, 3 and 4. When conducting lateral movements all weapons will be oriented toward the ground and remain on safe until the turn (90 degree) is completed. (There will be an NCO/RSO for each firer during any movement conducted during the stress shoot.) The NCO/RSO will ensure that all weapons are cleared prior to leaving the course. Rangers will stay generally online when using multiple shooters.

e. Close Quarters Marksmanship: This training will be conducted from the 50 meter to 5 meter firing line on ranges 1, 3 and 4. During the training, Rangers will only engage their assigned targets. When conducting lateral movements all weapons will be oriented toward the ground, remain on safe until the turn (90 degree) is completed. When conducting forward movement, all Rangers will move on line. Rangers will be separated by ample space during the entire exercise. Rangers will not engage targets outside of their lane.

f. Offense/Defense Building: Rangers will wear required PPE (ear, eye and hand protection) to include face mask and neck protector when engaging in force-on-force training in the offense/defense building. Range OIC/RSO will ensure that no live ammunition is used when force on force training is being conducted and personnel observing the training within 75 meters of the facility are wearing PPE as well. While using UTM rounds, Rangers will not employ "head shots" during any force on force engagements. The marksmanship OIC/RSOs will strictly enforce the minimum 5 meter engagement distance with UTM rounds. Rangers may conduct sniper training at KD targets #5 through #15 on Range 2 from the south facing windows of the upper floor this building. The use of any distraction devices (flash bangs) will be in accordance with current unit SOPs and will comply with all post safety guidelines and regulations. **NOTE: Range one (1) thru four (4) will wear required equipment when UTM/CCMCK/Sims are being conducted in the offense/defense building. NOTE: Ranges 2 and 3 cannot be occupied and Ranges 1 and 4 are limited to no more than 25m forward of the covered firing line when Sniper firing is being conducted from the Offense/Defense building.**

g. Steel Targets: Ranges 1, 3, and 4 will have the ability to use steel targets. The use of steel targets will be in accordance with USASOC, MCoE and Ranger Regiment Policy. Steel targets will always maintain a 15 degree forward slant to ensure ricochets are directed into the ground. Rangers will follow the minimum safe distance for the caliber of round they are shooting in accordance with USASOC policy (9mm-7m, 5.56mm- 25m, 7.62mm-100m). Steel targets used on Range 3 will be placed at the back (outside) of the overhead cover to prevent damage to the structure. **No steel target engagement with any weapon is authorized on Range 2.**

7. SAFETY:

a. A Detailed Risk Management Assessment Worksheet (DRAW) will be included with the range packet.

b. 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 Division Alpha Base and the using unit's higher headquarters. OIC/RSO will take action as directed by Range Division Alpha Base. The cease fire will remain in effect until the issue is resolved and cleared through Range Division Alpha Base. If the incident results in an injury, the OIC/RSO will use the procedures outlined in the medical paragraph. The following information will be provided by the OIC/RSO to Range Operations:

- i. Designation of unit.
- ii. Range and location
- iii. Type of weapon involved.
- iv. Type of ammunition involved.
- v. Brief summary of what happened.
- vi. Personnel injuries and extent.
- vii. Full Name, SS#, Rank and unit of injured personnel.
- viii. Extent of property damage.
- ix. Intentions regarding an AR 15-6 investigation.

c. Medical: In the event of an accident, injury or illness, the OIC/RSO will immediately call a cease fire then call E911. The OIC/RSO or on site medic will use the standard 9 Line MEDEVAC to determine what type of evacuation is the most appropriate for the injury (loss of life, limb or eyesight). MEDEVAC will be IAW MCoE Regulation 350-19 and MCoE 40-2. Landing zone for MEDEVAC aircraft will be established prior to use and will be marked appropriately. Range Division Alpha Base will be notified in this event. The cease fire will remain in effect until cleared through Range Division Alpha Base.

d. Each range will have its own RSO. When using the KD range, the unit will have an additional target pit RSO. When using the offense/defense building in conjunction with range 3 the same dual RSO requirement applies.

e. All training will begin with a range safety brief that includes a range orientation and discussion of the safety measures below.

f. The berms allow ranges 1-4 to be used simultaneously and independently of each other (a current approved waiver must be in place) and allow Rangers to check targets while adjacent Rangers are still firing on the other ranges. At no time should a Ranger move beyond the end of a range separation berm while the adjacent ranges are shooting.

g. Ranges 1-4 must come to a cease fire prior to Rangers moving down range of the 300

AORG-CO

SUBJECT: Booker Range Complex Consolidated Packet

meter firing line (Range 2 KD) or in the event of a target pit change on range 2. Rangers will not move down range of the 300 meter firing line on range 2 while other marksmanship ranges are being used. The marksmanship range OIC is the only person who can clear Rangers to move down range. The marksmanship range OIC will not clear ranges to continue firing until it is confirmed that all Rangers are not downrange of the 300m firing line or behind the target pits.

h. Rangers will conduct inspections of all weapons, equipment, and ammunition prior to conducting training. There will be no de-linking or re-linking of any ammunition. Any ammunition that has been de-linked or re-linked is considered nonstandard ammunition and is prohibited from the range.

i. The ammunition point will be under the direct supervision of the marksmanship range OIC. Rangers will be issued ammunition at the ammunition point only and will not lock/load their weapons until they arrive at their assigned firing line and directed by the OIC/RSO. During firing, ammunition will be stored on the Ranger's person. All un-used ammunition will be returned to the ammunition point.

j. Weapons/Ammunition Malfunction Reports: When a malfunction is experienced, the OIC/RSO will suspend all firing and immediately notify Range Division Alpha Base. The weapon(s) along with all components and ammunition involved will remain in place. The cease fire will remain in effect until cleared through Range Division Alpha Base. An investigation is required and will be conducted by the ammunition and weapons inspection personnel and DOL.

k. Ammo Point: The ammo point NCO will control the issue and retrieval of all ammunition. All ammunition (blank, live, TP-T, etc.) will be marked and physically separated within the ammo point (or separate ammo points) and signed for by the ammo NCO.

l. Every Ranger is responsible for safety. Anyone who observes an unsafe act can call a cease fire. Cease fire signals will be briefed prior to executing training.

m. All Rangers will wear the appropriate PPE (hand, hearing and eye protection at a minimum). This includes Rangers operating in the target pits.

n. Lasers: Class III A lasers are not eye safe on dual low mode within 25 meters. PEM – 1A is not a tactical laser and must be used within 25 meters. Laser Warning Signs will be in place prior to opening the range. The range safety briefing will include hazards using Lasers and NVD's.

o. The range OIC/RSO will ensure targets are positioned with flat-steel canted downward (-20 degrees) to reduce backward ricochet. Rangers will engage targets IAW the USASOC Policy for use of steel targets. The range OIC/ RSO will inspect targets for wear using the dime field expedient method; targets that fail inspection are not authorized for use. Burst mode firing is not authorized for use. The range OIC/RSO will ensure that there are no mechanical targets or other range infrastructure within the 10m radius exclusion zone around the targets. Additionally, the

AORG-CO

SUBJECT: Booker Range Complex Consolidated Packet

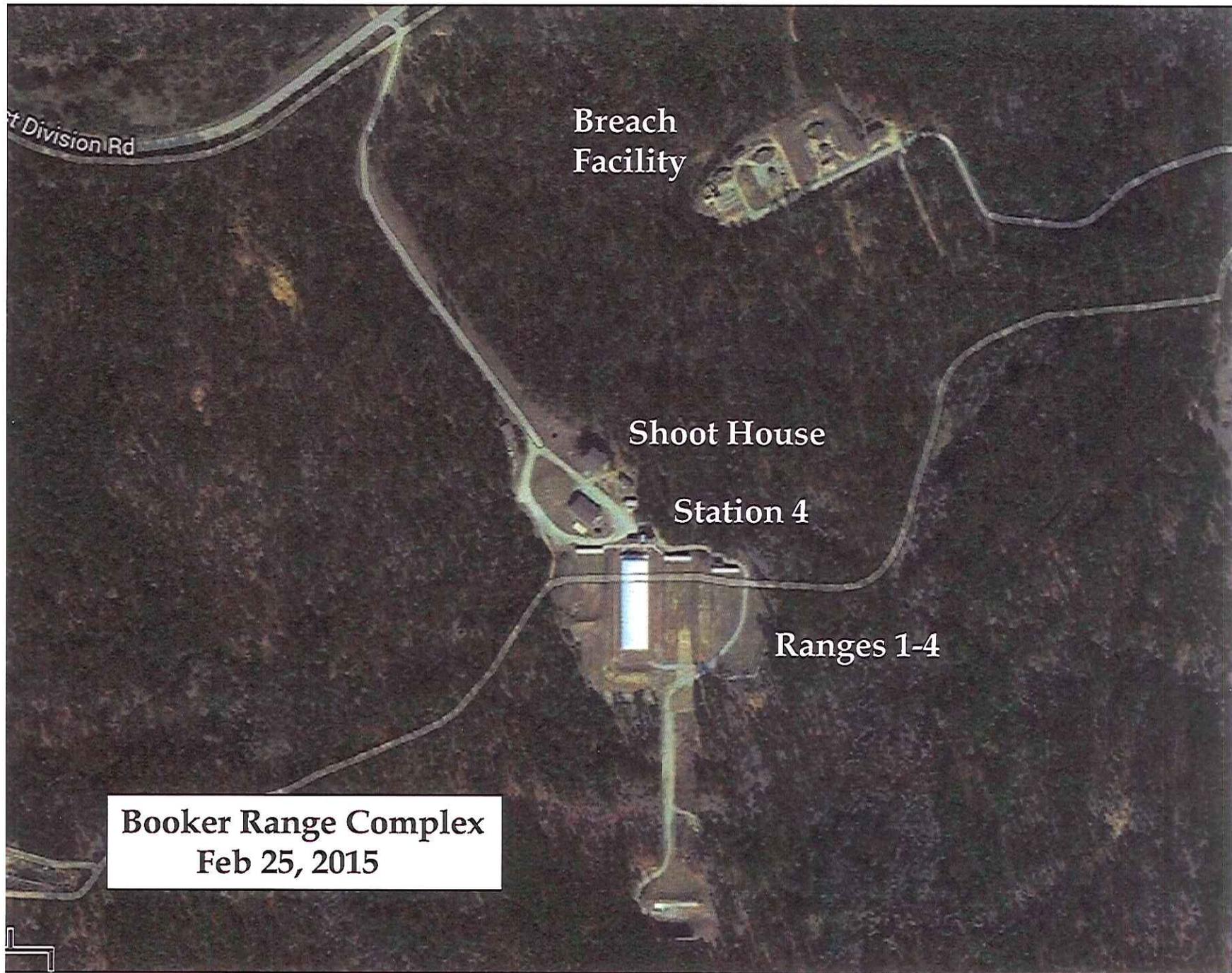
range OIC/RSO will ensure targets are set at oblique or perpendicular angles to the firer. Targets will be emplaced IAW manufacturer's data sheets. The physical array will ensure that targets are not within 20 degrees of the splatter zone of adjacent targets in order to minimize ricochet injury risk. Rangers not on the firing line will be located in an assembly area behind the firing lines.

8. The point of contact for this memorandum is CPT Simpson, James M., [james.m.simpson1@soc.mil](mailto:james.m.simpson1@soc.mil) or 706-626-2628.

Enclosure 1- Booker Complex Map  
Enclosure 2- RABC Course Overview  
Enclosure 3- Shoot House Scenarios  
Enclosure 4- Marksmanship Ranges



JAMES M. SIMPSON  
CPT, IN  
BATTALION TRAINING OFFICER



Breach  
Facility

Shoot House

Station 4

Ranges 1-4

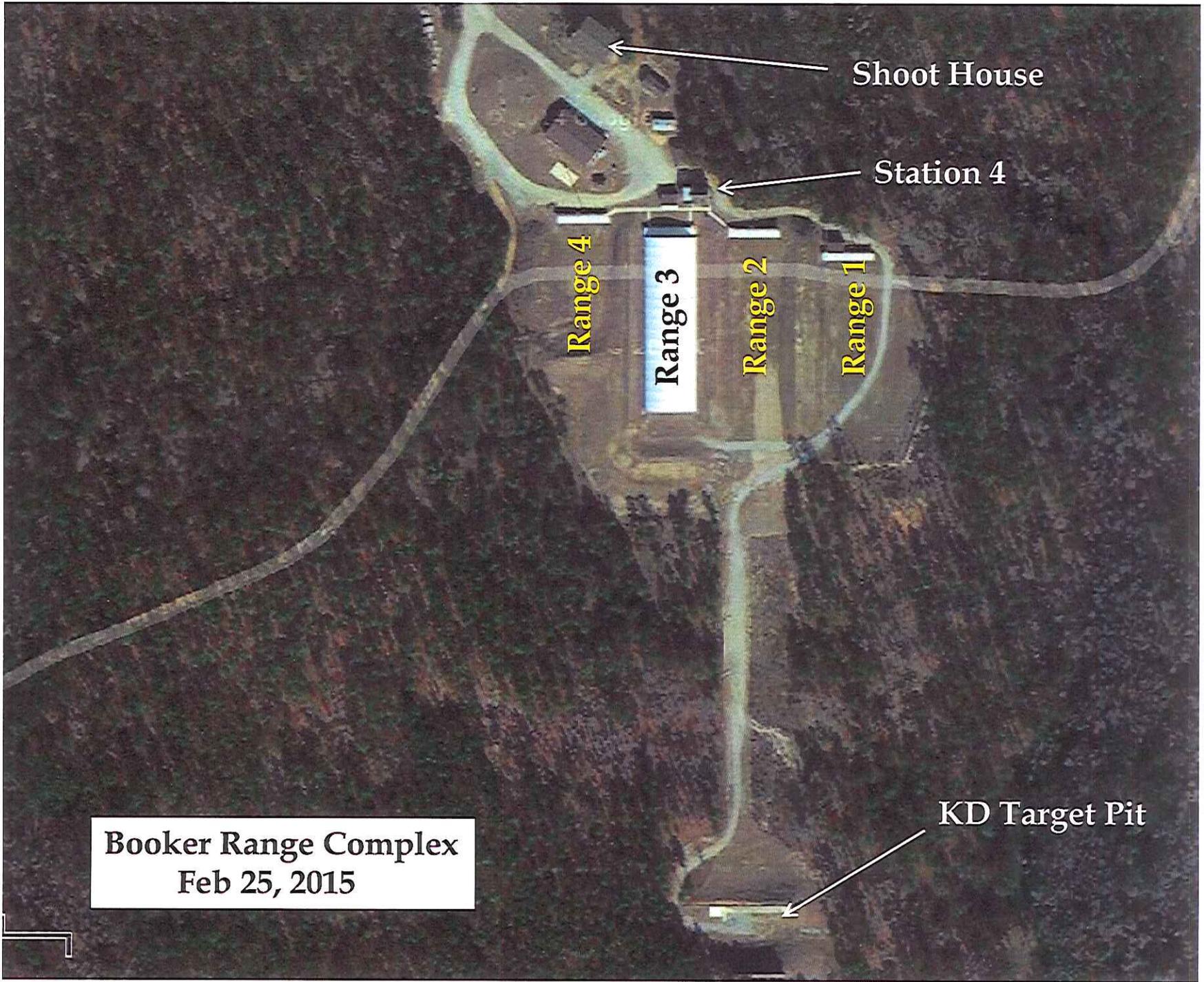
Booker Range Complex  
Feb 25, 2015





Booker Range Complex Breach Facility





Shoot House

Station 4

Range 4

Range 3

Range 2

Range 1

KD Target Pit

Booker Range Complex  
Feb 25, 2015



# Booker Shoot House Range Scenario



AUKU  
SUBJECT: Booker Range Complex Consolidated Packet- Enclosure 3

## Scenario 1

(Single TM, Single Room)

Approach: Stage in room 2

Iterations: Multiple dry, blank and live fires once certified on dry and blank.

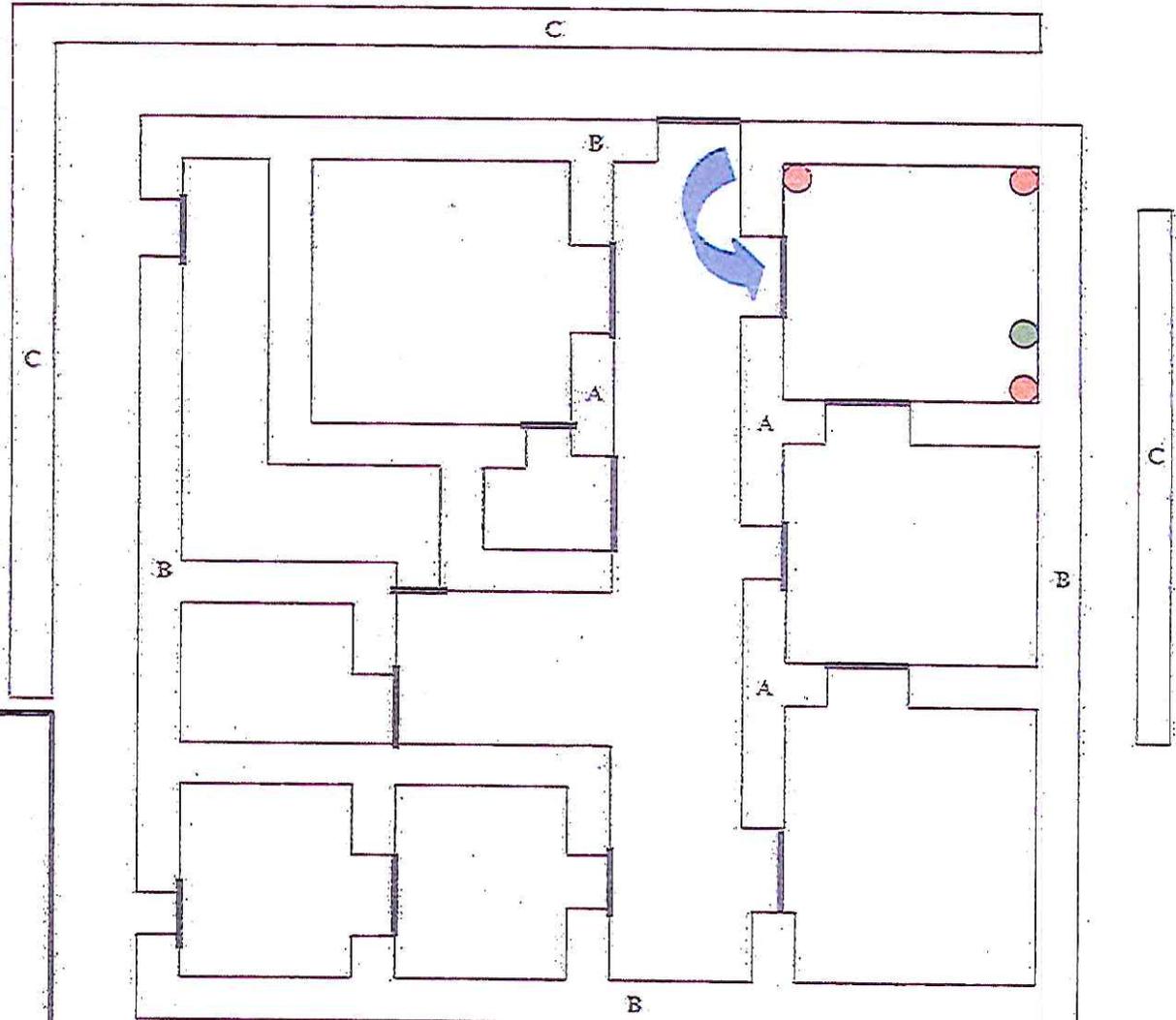
Targets: E-type

Furnishings: No

Enemy: 3

Civilians: 1

	= Enemy	A - Interior wall
	= Civilians	B - Exterior wall
	= Single team	C - Exterior safety wall



Enclosure 1



# Booker Shoot House Range Scenario



## Scenario 2

(Single TM, Multi Room)

Approach: Stage in room 2

Iterations: Multiple dry, blank and live fires once certified on dry and blank.

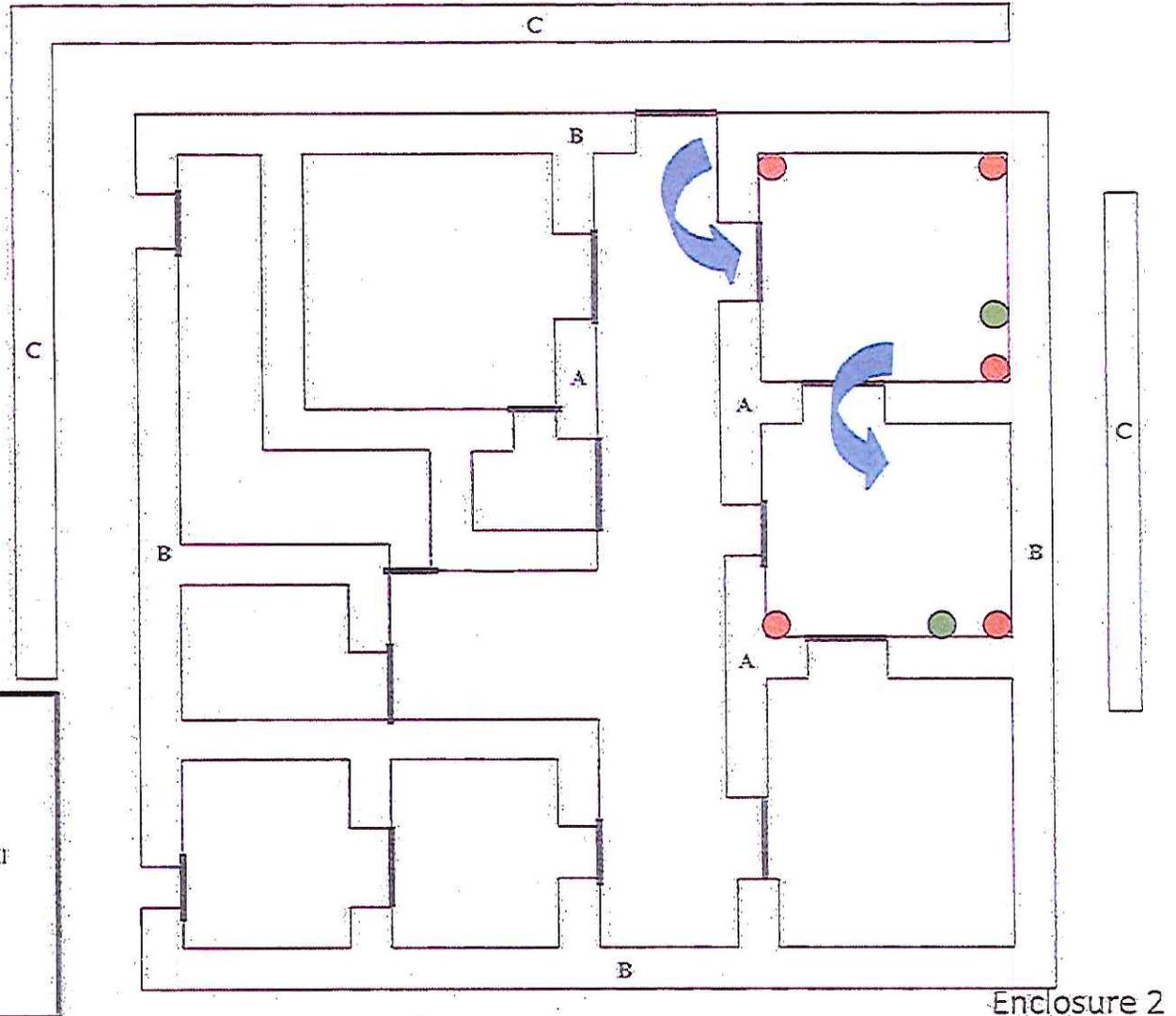
Targets: E-type

Furnishings: No

Enemy: 5

Civilians: 2

	= Enemy	A - Interior wall
	= Civilians	B - Exterior wall
	= Single team	C - Exterior safety wall





# Booker Shoot House Range Scenario



## Scenario 3

(Multi TM, Multi Room)

Approach: Stage in room 2

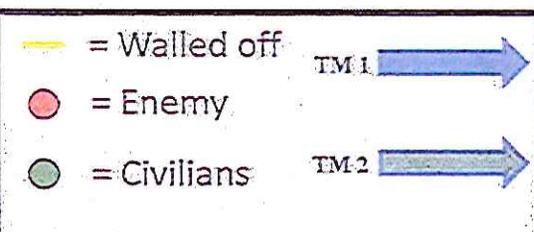
Iterations: Multiple dry, blank and live fires once certified on dry and blank.

Targets: E-type

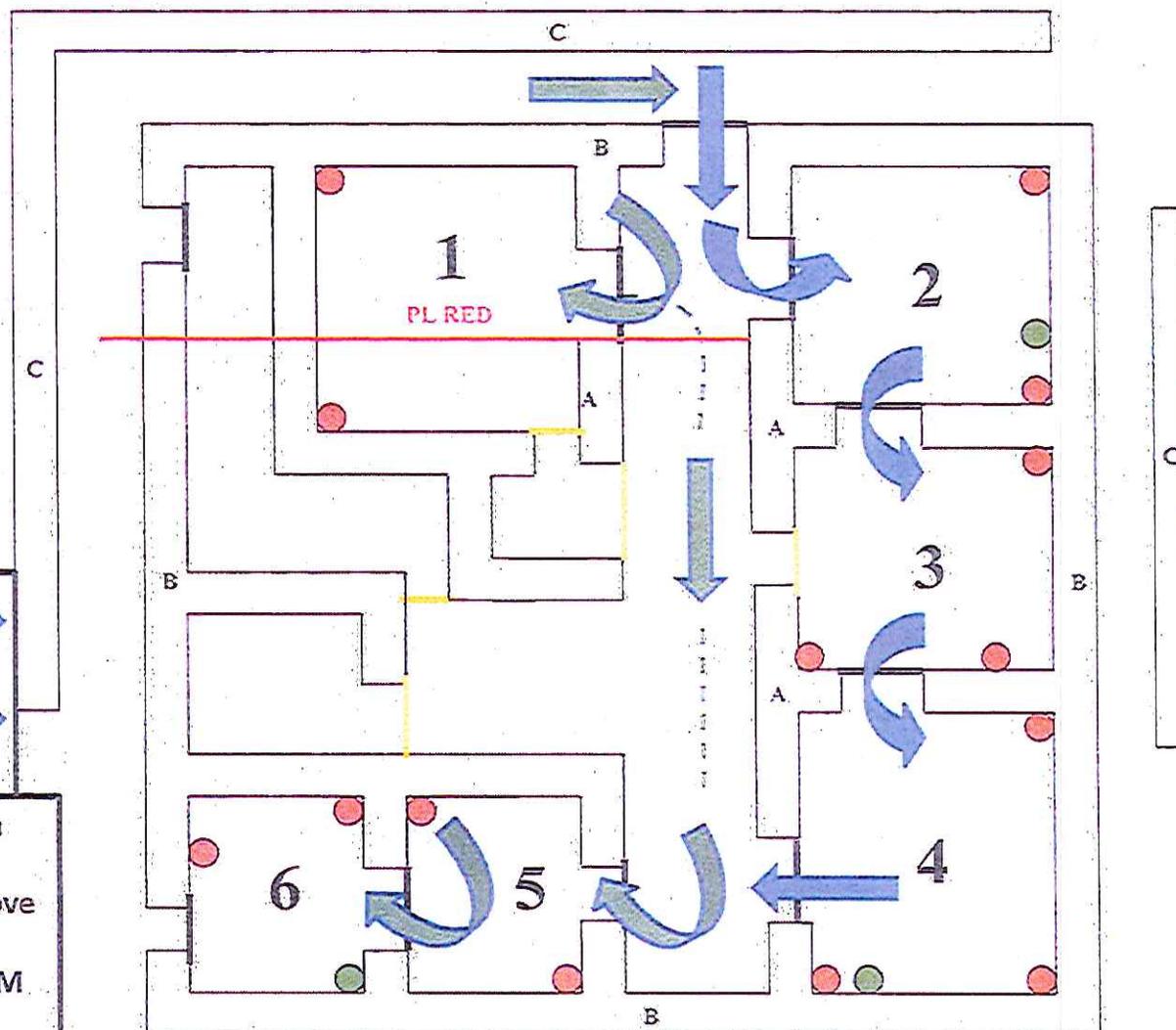
Furnishings: No

Enemy: 14

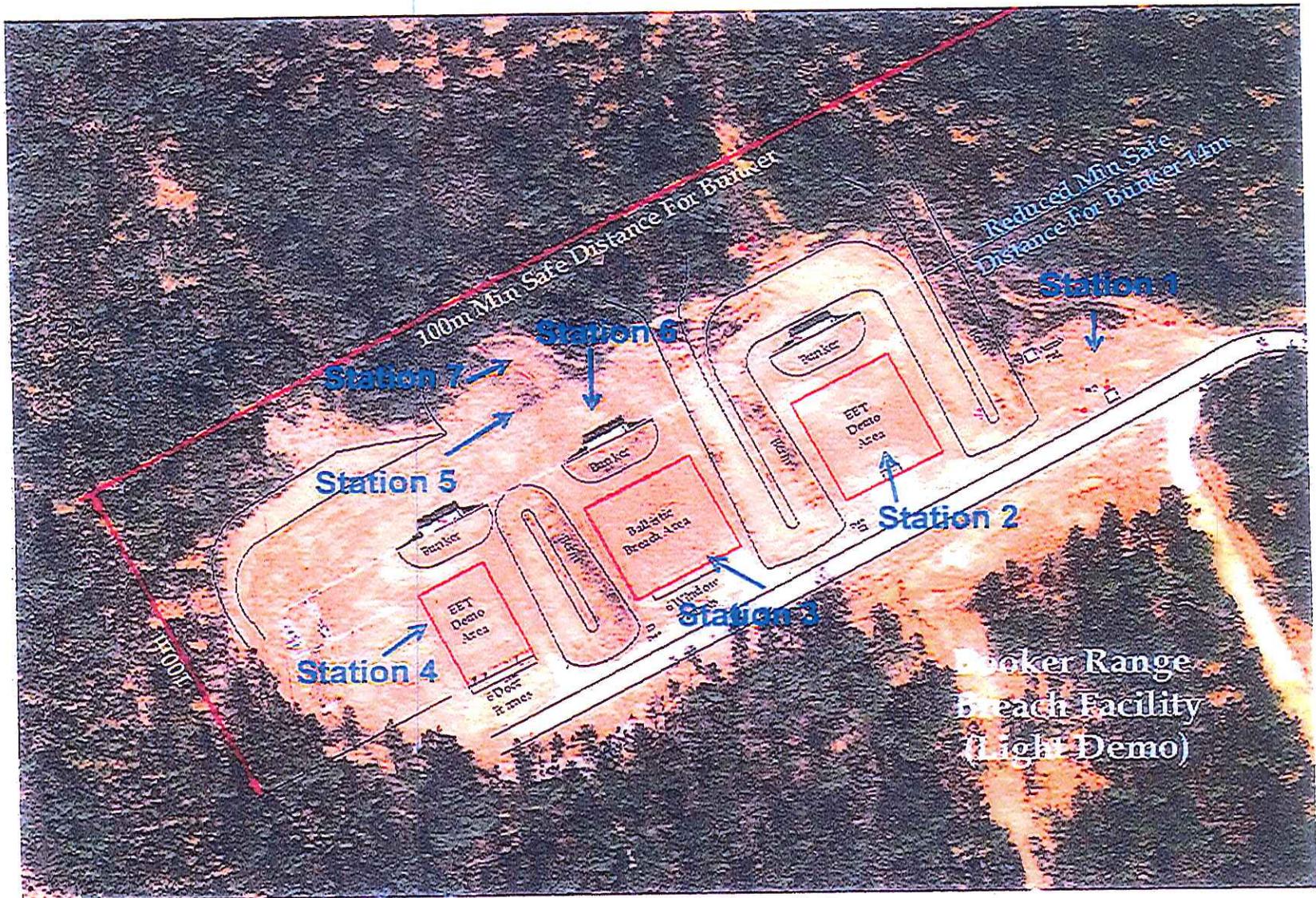
Civilians: 3

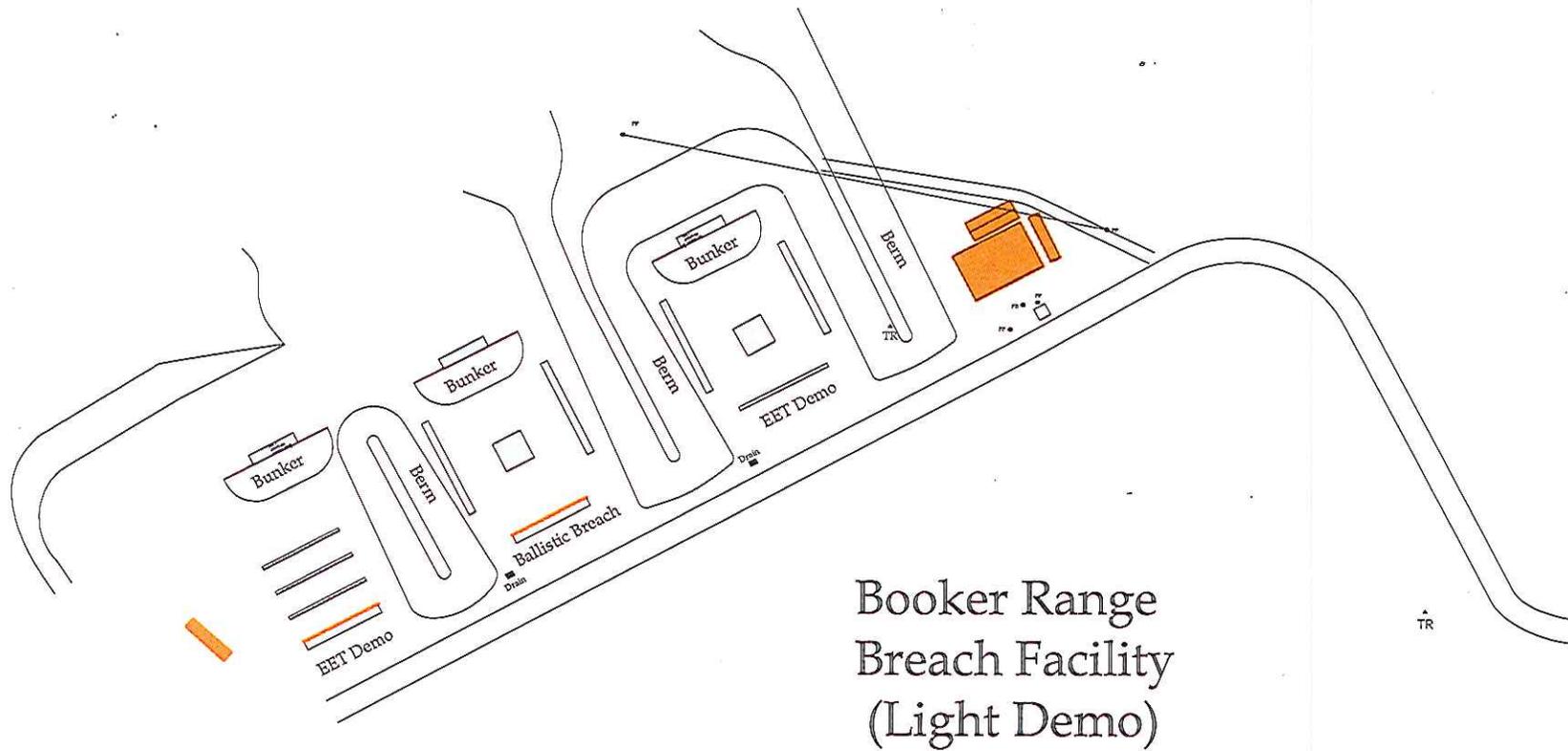


**PL RED:** TM 2 will hold position in room 1. Once TM 1 completes clearance of room 4, TM 2 will move forward tactically and enter and clear rooms 5, 6. Once all clear, TM 2 will exit SH followed by TM 1.



Enclosure 3





# Booker Breach Facility (Light Demo)

**Booker Range Complex 75th Ranger Regiment (Log #11-1-14) Roadblock List, Feb 25, 2015**

BLOCK	GRID	LOCATION	TYPE
A-1	FA 911 792	Across firebreak 275m down Fiske Range at right end of old KD berm. Permanently closed.	Cable
A-2	FA 910 783	Off Sightseeing Road on unnamed trail opposite of entrance to LRC.	Gate
A-4	FA 925 766	Off Sunshine Road 1,200m W of entrance to Grandstaff Range.	Gate
A-5	FA 936 762	Across entrance road to Grandstaff Range, 10m N of Sunshine Road.	Gate
A-6	FA 939 763	Off Sunshine Road 150m W of Oswichee Creek. Permanently closed.	Cable/Berm
A-8	FA 968 740	Across unnamed trail 30m N of Sunshine Road 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 Road.	Gate
A-11	GA 019 731	Across Lumpkin Trail 30m N of its intersection with Sunshine Road.	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 Road 50m W of its intersection with Jamestown Road.	Gate
A-12A	GA 029 744	Across Garnsey Road 400m W of A-12 Roadblock.	Gate
A-12B	GA 028 741	Across trail 150m S-W of A-12A Roadblock. 50m S-W of Garnsey Range Bldg.	Gate
A-12C	GA 036 746	Road guard position # 3 for Garnsey Rng Objective 'E' (Jamestown at Lightning Rd).	Rd Grd #3
A-13	FA 936 762	Across Sunshine Road 10m E of the entrance to Grandstaff Range (Road guard location).	Gate
A-14	FA 974 733	Across Sunshine Road 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	Across Good Luck Rd. 20m W of Jamestown	Gate
A-15B	GA 022 796	Road guard position # 1 (for Garnsey Rng Objective 'E') on Jamestown Road 150m S of Goodluck Road.	Rd Grd #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 to Dianda Range, 140m N of A-19 gate (entrance to Patton Range).	Gate
A-22	GA 015 817	Across unnamed trail 175m N of Krilling Range and 10m W of Jamestown Road.	Gate
A23	FA 983 756	Across Lumpkin Trail 200m E of Griswold Range.	Gate
A-23A	GA 005 748	Across Lumpkin trail 50m N-W of Objective 'E' on Garnsey Range.	Gate
A-23B	GA 005 747	Across un-named trail 50m S of A-23A gate on W side of Lumpkin trail.	Gate
A-24	GA 015 811	Across Un-named trail, 10m inside S entrance gate to Krilling Range.	Gate
A-25	GA 016 789	Across fire break 10m W of its intersection with Goodluck Road.	Gate
A-26	GA 013 798	Across firebreak on Left side of Buchanan Range 50 meters S of chow area.	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 W of Yankee road on south side of Galloway Range.	Gate
A-28A	GA 011 776	30 meters S of Galloway Range Tower.	Gate
A-30	GA 026 758	Across fire break leading to Garnsey Range. 120m S-W 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 road to Griswold Range.	Gate
A-33A	FA 979 739	150m N-W of Target Systems bldg on trail leading to MTC on Griswold Range.	Gate
A-33B	FA 982 739	20m N-E of Target Sys bldg on trail running on west side of bldg on Griswold Range.	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 200m down range of firing line on Red Cloud Range on Left side of range.	Cable
A-39	FA 956 822	Across unnamed trail 200m S of bldgs on Left side of Buckner Range.	Cable
A-40	FA 967 823	Across fire break 100m down range on the left side of Pierce Range.	Gate
A-40A	FA 965 824	Across fire break on the right side of Pierce Range 10m E of the entrance road.	Gate
A-41	FA 972 820	Across fire break located on the rightside 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 Booker Range Firing Line	Cable
A-44	FA 986 823	Across fire break 100m E. of the 25m flat range on Booker Range	Gate
A-45	FA 990 827	Across fire break located 40m W of the right side of Duke Range Firing Line	Gate
A-45A	FA 991 829	Across Booker Breach site entrance road 200m W of Duke Rng entrance gate.	Gate
A-46	FA 984 832	Across unnamed trail 110m 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

**TRANSMITTAL, ACTION AND CONTROL**

For use of this form see MCoE Memo 25-52; the proponent is SGS

1. SGS LOG:	2. IN SGS:	3. OUT SGS:	4. DATE PREPARED:
			26 Feb 2015

5. SUBJECT:  
Deliberate Risk Assessment Worksheet/Booker Range Complex

6. ACTION OFFICER/OFFICE SYMBOL/PHONE NUMBER: CPT Glenn Burkey, Training Officer, 706-545-3354	7. DIRECTOR'S/COMMANDER'S SIGNATURE: Peter S. Shull, LTC. Deputy Commander
---	---

SIGNATURE                       APPROVAL                       INFORMATION

SGS     DCofS     GC CSM     USAIS CSM     USAARMS CSM     MCoE CSM     CDID  
 GC     CIG     CofS     SA     DCG-NG     Comdt, IN School     Comdt, AR School     CG

1. PURPOSE: 75th RR request review and approval of the Deliberate Risk Assessment Worksheet for Log# 11-1-14

2. RECOMMENDATION: Post Safety Office reviews and approves the Deliberate Risk Assessment Worksheet and initials the FB25-52-1-E-R

3. DISCUSSION:

a. 75th RR is requesting the use of packet Log# 11-1-14, Booker Range Complex

b. Unit understands that the Deliberate Risk Assessment Worksheet must be maintained and on hand while conducting Training on Booker Range Complex.

c. Unit will return the packet/Deliberate Risk Assessment Worksheet back to Range Operations for the final signature of approval by the Range Operations Chief. (Brad Tesch)

4. THIS DOCUMENT IS AUTHORED BY:

8. COORDINATION/APPROVAL

S:

OFFICE	ACTION	NAME AND DATE	OFFICE	ACTION	NAME AND DATE
Range Ops	Concur	<i>Glenn Burkey</i> 26 Feb 15			
Post Safety	Concur	<i>John E. ...</i> 27 Feb 15			

STAFF REMARKS: (Command Group Use Only)	APPROVAL AUTHORITY
	APPROVED:
	DISAPPROVED:
	NOTED:



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

27 February 2015

MEMORANDUM FOR Commander, 75<sup>th</sup> Ranger Regiment, Attn: CPT Simpson, 6420  
Dawson Loop, Fort Benning, GA 31905

SUBJECT: 75th RR Booker Range Complex Usage CONOP and DRAW Safety  
Review

1. References.

- a. Army Regulation 385-10, The Army Safety Program, 27 November 2013.
- b. Army Regulation 385-63, Range Safety, 30 January 2012.
- c. Department of the Army Pamphlet 40-501, Hearing Conservation Program, 10 December 1998.
- d. Department of the Army Pamphlet 385-10, Army Safety Program, RAR 19 January 2010.
- e. Department of the Army Pamphlet 385-30, Risk Management, 02 December 2014.
- f. Department of the Army Pamphlet 385-63, Range Safety, 16 April 2014
- g. Army Techniques Publication 5-19, Risk Management, 14 April 2014
- h. MCoE Regulation 350-19, Range and Terrain Regulation, 01 March 2013

2. Document received on 26 February 2015.

3. Concur w/comment.

a. CONOP, paragraph 4c, pg 2. The RSO must be a 75<sup>th</sup> RR Master Breacher qualified to perform the outlined tasks/assignments.

b. CONOP, paragraph 4e, pg 2. Thermal breaching area must remain cleared of all material (natural and manmade) which could be flammable in nature.

ATZB-SO

SUBJECT: 75th RR Booker Range Complex Usage CONOP and DRAW Safety Review

c. CONOP, paragraph 5a, pg 3. Shoot house targeting will be set up using a bullet stop as the mechanism to stop and capture the round(s). Target placement will not be place in such a manner that the SACON walls will be used as the stopping/capturing mechanism. The OIC/NCOIC/RSO must be familiar with all guidance found in MCoE policy on "Lead Abatement in Shoot Houses and Indoor Ranges".

d. CONOP, paragraph 6f, pg 6. Groin protector (UTM P/N 69-0299) is strongly recommended for use.

e. CONOP, paragraph 7. Recommend for inclusion of procedures between transitions of UTM/CMCCK and ball ammunition. Checking for obstructed barrels in all weapon systems.

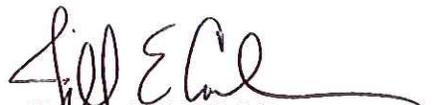
f. DRAW, Blocks 6 & 9, pg 1. "Lightning, thunderstorms and other severe weather", recommend that the Initial and Residual Risk Levels be elevated to HIGH and MODERATE, due to the catastrophic (severity) nature of lightning and the probability of such an action occurring on the installation.

g. DRAW, Blocks 6 & 9, pg 2. "Hearing Loss", recommend that the Initial and Residual Risk Levels be elevated to HIGH and MODERATE. Explosive and weapon firing impulse noise, exceeding the 140 db, can cause permanent hearing loss. Recommend the use of double hearing protection.

h. DRAW, Blocks 6 & 9, pg 5. "Fratricide / accidental discharge", recommend that the Initial and Residual Risk Levels be elevated to HIGH and MODERATE. The ingestion of 62-grains of high velocity lead is/can be catastrophic in nature.

i. DRAW, Blocks 6 & 9, pg 5. "Injury due to Ranger moving through another Rangers Sector of fire", recommend that the Initial and Residual Risk Levels be elevated to HIGH and MODERATE. The ingestion of 62-grains of high velocity lead is/can be catastrophic in nature in most cases.

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](mailto:michael.w.risher.civ@mail.mil)

  
JILL E. CARLSON  
Director, MCoE/USAG Safety

## DELIBERATE RISK ASSESSMENT WORKSHEET

<b>1. MISSION/TASK DESCRIPTION</b>  Booker Range Complex	<b>2. DATE (DD/MM/YYYY)</b>  3/7/2014
--	---

**3. PREPARED BY**

<b>a. Name (Last, First Middle Initial)</b>  Burkey, Glenn	<b>b. Rank/Grade</b>  CPT/03	<b>c. Duty Title/Position</b>  Regimental Training Officer
--	------------------------------------	--

<b>d. Unit</b>  RHQ, 75th RR	<b>e. Work Email</b>  glenn.w.burkey@soc.mil	<b>f. Telephone (DSN/Commercial (Include Area Code))</b>  706-545-3354
------------------------------------	--	--

<b>g. UIC/CIN (as required)</b>  WWDDDA	<b>h. Training Support/Lesson Plan or OPORD (as required)</b>	<b>i. Signature of Preparer</b>
---	---	---------------------------------

Five steps of Risk Management: (1) Identify the hazards (2) Assess the hazards (3) Develop controls & make decisions  
(4) Implement controls (5) Supervise and evaluate (*Step numbers not equal to numbered items on form*)

	4. SUBTASK/SUBSTEP OF MISSION/TASK	5. HAZARD	6. INITIAL RISK LEVEL	7. CONTROL	8. HOW TO IMPLEMENT/ WHO WILL IMPLEMENT	9. RESIDUAL RISK LEVEL
<div style="display: flex; flex-direction: column; gap: 10px;"> <div style="border: 1px solid black; padding: 2px; width: 20px; height: 20px; margin: 0 auto;">+</div> <div style="border: 1px solid black; padding: 2px; width: 20px; height: 20px; margin: 0 auto;">-</div> </div>	General	Lighting, thunderstorms and other severe weather	L	Weather updates will be obtained by OIC(s) prior to initiating movement and will be monitored throughout training. If a storm is expected before the start of training, the training time line will be adjusted. Upon approach of severe thunder/lighting or weather, Rangers will move indoors out of the elements until the weather has passed.	How: Safety brief  Who: OIC/RSO	L
<div style="display: flex; flex-direction: column; gap: 10px;"> <div style="border: 1px solid black; padding: 2px; width: 20px; height: 20px; margin: 0 auto;">+</div> <div style="border: 1px solid black; padding: 2px; width: 20px; height: 20px; margin: 0 auto;">-</div> </div>		Minor bodily injury	L	A range inspection will be conducted prior to beginning training each day. The range safety brief will review existing range hazards.	How: Safety brief  Who: OIC/RSO	L

	4. SUBTASK/SUBSTEP OF MISSION/TASK	5. HAZARD	6. INITIAL RISK LEVEL	7. CONTROL	8. HOW TO IMPLEMENT/ WHO WILL IMPLEMENT	9. RESIDUAL RISK LEVEL
<input type="checkbox"/> + <input type="checkbox"/> -  <input type="checkbox"/> + <input type="checkbox"/> -  <input type="checkbox"/> + <input type="checkbox"/> -  <input type="checkbox"/> + <input type="checkbox"/> -		Hot and cold weather injuries	H	Rangers will hydrate before, during and after training in IAW FB Form 7. Leaders will adjust uniform, work levels and rest periods IAW USASOC Reg 385-1 and changing conditions. Rangers will carry adequate water and additional water will be available throughout training. Rangers who are previous hot and cold weather casualties will be identified prior to training and will be closely monitored throughout training. Medics will monitor participants throughout training and identify any signs and symptoms of hot/cold weather injuries.	How: Safety brief and inspection  Who: OIC/RSO, chain of command and on-site medics	M
		Hearing loss	M	All Rangers will wear hearing protection when firing weapons or detonating explosives. Additional hearing protection will be available on site.	How: Safety brief and inspection  Who: OIC/RSO, chain of command and on site medics	L
		Eye damage	M	All Rangers will wear USASOC approved eye protection while weapons are being fired or explosives are being detonated.	How: Safety brief and inspection  Who: OIC/RSO, chain of command and on site medics	L
		Fire hazards	M	Smoking is prohibited within 50 feet of ammunition points. The ammunition points and thermal cutting stations will have two fire extinguishers on hand.	How: Safety brief and inspection  Who: OIC/RSO, chain of command	L

	4. SUBTASK/SUBSTEP OF MISSION/TASK	5. HAZARD	6. INITIAL RISK LEVEL	7. CONTROL	8. HOW TO IMPLEMENT/ WHO WILL IMPLEMENT	9. RESIDUAL RISK LEVEL
<input type="checkbox"/> + <input type="checkbox"/> -  <input type="checkbox"/> + <input type="checkbox"/> -  <input type="checkbox"/> + <input type="checkbox"/> -  <input type="checkbox"/> + <input type="checkbox"/> -		Lost Ranger		If a Ranger is unaccounted for all training will stop and a thorough search will be conducted. If the Ranger is not found in the immediate vicinity the OIC will report a SITREP to range control in order to ensure adjacent ranges will cease fire until the Ranger is found.	How: Safety brief	L
			M		Who: OIC/RSO	
	Demolition training area	Injury due to ricochet or blast fragment		All live fire exercises will include a detailed safety brief to Rangers. All live fire exercises will have a demolitions OIC/RSO who will meet Regimental, Post and Army requirements for demolition training. Cadre will wear helmet, ballistic eye protection, gloves and body armor for live demolition training. Rangers will be positioned IAW the MSD. An on site medic will maintain a FLA and provide medical coverage during all demolitions training.	How: Safety brief, inspections and rehearsals	M
			H		Who: OIC/RSO, chain of command	
		Explosion of demolition or explosive device by static electricity, sparks or electric storms.		Training is suspended during electrical storms. Smoking or the presence of any sparkle producing articles prohibited within 50 meters of ammunition/demolition. All ammunition/demolition will be handled as prescribed by applicable FMs, TMs and training notes.	How: Safety brief, inspection, FMTM guidance	M
			H		Who: OIC/RSO, chain of command	
		Premature detonation of explosives and misfires.		Rangers will wear body armor, gloves, eye protection, hearing protection and ballistic helmet while placing or detonating charges. Rangers will be briefed and trained on proper construction of charges. Rangers will be trained on all explosive devices and demolitions used prior to the LFX. Training will be in accordance with applicable FMs, TMs and training programs.	How: Safety brief, inspection, rehearsals	M
			H		Who: OIC/RSO, chain of command	

	4. SUBTASK/SUBSTEP OF MISSION/TASK	5. HAZARD	6. INITIAL RISK LEVEL	7. CONTROL	8. HOW TO IMPLEMENT/ WHO WILL IMPLEMENT	9. RESIDUAL RISK LEVEL
<input type="checkbox"/> + <input type="checkbox"/> -		Unexploded ordinance	M	Any UXO found on the training site will trigger an immediate cease fire. All personnel will be removed from the area. Once EOD clears the UXO training will resume. Misfire procedures will be conducted IAW existing SOPs. The Master Breacher on site will take responsibility and control of any UXO or misfires.	How: Safety brief, inspection and rehearsals	M
					Who: OIC/RSO, Master Breacher NCOIC	
<input type="checkbox"/> + <input type="checkbox"/> -	Shoothouse	Fratricide/accidental discharge	H	All Rangers will conduct a throughout inspection prior to conducting live fire exercises. All Rangers will qualify with their assigned weapon systems in CQM tables prior to executing the shoothouse. A detailed safety brief will be given to all Rangers concerning the shoothouse. Muzzle awareness will be emphasized during the safety brief. Rangers will conduct rehearsals and blank and/or UTM certification prior to conducting LFX. All Regimental SOPs on LFX will be enforced. All training will be conducted IAW Policy Letter #7.	How: Safety brief, inspection, rehearsals	M
					Who: OIC/RSO, chain of command	
<input type="checkbox"/> + <input type="checkbox"/> -		Injury due to ricochet or flying debris	M	Only non-ricochet producing targets and furniture will be used. Rangers will wear gloves, ballistic helmet, body armor and eye protection. Rangers will only engage targets in their sector. The shoothouse will be inspected prior to training for structural stability and ballistic integrity of walls and doors.	How: OIC/RSO, shoothouse inspection	L
					Who: OIC/RSO, chain of command	

	4. SUBTASK/SUBSTEP OF MISSION/TASK	5. HAZARD	6. INITIAL RISK LEVEL	7. CONTROL	8. HOW TO IMPLEMENT/ WHO WILL IMPLEMENT	9. RESIDUAL RISK LEVEL
<input type="checkbox"/> + <input type="checkbox"/> -		Fratricide due to fire and maneuver	H	Rangers will conduct dry fire and blank and/or UTM fire iterations to be certified. Rangers will receive feedback from leaders on the catwalk. When observing, leaders will remain on the catwalk over the entrance of the room and remain stationary during execution. There will be no deviations from the blank/UTM iterations and the LFX iterations. All members of teams will remain in the same order during LFX.	How: Rehearsals	L
					Who: OIC/RSO, chain of command	
<input type="checkbox"/> + <input type="checkbox"/> -	Marksmanship Range	Fratricide/accidental discharge	M	A detailed safety brief will be given to all Rangers. Rangers will maintain muzzle awareness at all times. Prior to checking or changing targets, a visual inspection will be made to ensure weapons are not loaded. There will be no handling of weapons or ammunition while Rangers are down range.	How: Safety brief	L
					Who: OIC/RSO, chain of command	
<input type="checkbox"/> + <input type="checkbox"/> -		Injury due to Ranger moving through another Ranger's sector of fire	M	All weapons will be cleared and pointed down range during firing order occupation. When conducting CQM, Rangers will stay in their designated lane. Rangers will only come to the firing line after conducting dry fire training. Everyone will remain on the line when moving down range. Rangers will fire when instructed to do so by the OIC/RSO.	How: Safety brief	L
					Who: OIC/RSO	
<input type="checkbox"/> + <input type="checkbox"/> -		Round ricochet off steel target and strikes a Ranger	M	Ensure target positioning with flat steel is canted downward (20 degrees) to reduce backward ricochet. Rangers will only engage targets from a firing line IAW USASOC and FB Policy. Rangers will inspect targets for wear using the dime fire expedient method. Targets that fail inspection are not authorized for use. Disciplined fire control techniques will be enforced.	How: Steel target inspection	L
					Who: OIC/RSO	

	4. SUBTASK/SUBSTEP OF MISSION/TASK	5. HAZARD	6. INITIAL RISK LEVEL	7. CONTROL	8. HOW TO IMPLEMENT/ WHO WILL IMPLEMENT	9. RESIDUAL RISK LEVEL
<input type="checkbox"/> + <input type="checkbox"/> -		Simultaneous use of marksmanship ranges	M	Berms have been built in between each range to allow ranges to be used simultaneously without risk of fratricide. Berms are constructed to provide adequate protection for movement down range to check targets while adjacent ranges are being used. Rangers will not move past the 200 meter firing line or range 3. Each range and the target pit will have a RSO while in use. One OIC will manage the four marksmanship ranges. The OIC is the only person who can approve Rangers to move past the 200 meter firing line or the target pit crew to change out. The OIC will maintain communications with the RSO(s) at all times. If communication fails, all marksmanship ranges will cease fire until communication is re-established. If communication cannot be established with the target pit RSO, range 3 will not be used.	How: Safety brief, communication equipment  Who: OIC/RSO	L

10. OVERALL RESIDUAL RISK LEVEL (All controls implemented):

EXTREMELY HIGH    
  HIGH    
  MEDIUM    
  LOW

11. OVERALL SUPERVISION PLAN AND RECOMMENDED COURSE OF ACTION

12. APPROVAL OR DISAPPROVAL OF MISSION OR TASK    
 Approve    
 Disapprove

a. Name (Last, First, Middle Initial) Shull, Peter S.	b. Rank/Grade COL/ O-6	c. Duty Title/Position Deputy Commander	d. Signature of Approval Authority 
--	---------------------------	--	--

e. Additional Guidance:



Risk Assessment Matrix		Probability (expected frequency)				
		Frequent: Continuous, regular, or inevitable occurrences	Likely: Several or numerous occurrences	Occasional: Sporadic or intermittent occurrences	Seldom: Infrequent occurrences	Unlikely: Possible occurrences but improbable
Severity (expected consequence)		A	B	C	D	E
<b>Catastrophic:</b> Mission failure, unit readiness eliminated; death, unacceptable loss or damage	I	EH	EH	H	H	M
<b>Critical:</b> Significantly degraded unit readiness or mission capability; severe injury, illness, loss or damage	II	EH	H	H	M	L
<b>Moderate:</b> Somewhat degraded unit readiness or mission capability; minor injury, illness, loss, or damage	III	H	M	M	L	L
<b>Negligible:</b> Little or no impact to unit readiness or mission capability; minimal injury, loss, or damage	IV	M	L	L	L	L
<b>Legend:</b> EH - Extremely High Risk H - High Risk M - Medium Risk L - Low Risk						
<b>13. RISK ASSESSMENT REVIEW</b> (Required when assessment applies to ongoing operations or activities)						
a. Date	b. Last Name	c. Rank/Grade	d. Duty Title/Position	e. Signature of Reviewer		
<b>14. FEEDBACK AND LESSONS LEARNED</b>						
<b>15. ADDITIONAL COMMENTS OR REMARKS</b>						

Instructions for Completing DD Form 2977, "Deliberate Risk Assessment Worksheet"

**1. Mission/Task Description:** Briefly describe the overall Mission or Task for which the deliberate risk assessment is being conducted.

**2. Date (DD/MM/YYYY):** Self Explanatory.

**3. Prepared By:** Information provided by the individual conducting the deliberate risk assessment for the operation or training.

**Legend:** **UIC** = Unit Identification Code; **CIN** = Course ID Number; **OPORD** = operation order; **DSN** = defense switched network; **COMM** = commercial

**4. Sub-task/Sub-Step of Mission/Task:** Briefly describe all subtasks or substeps that warrant risk management.

**5. Hazard:** Specify hazards related to the subtask in block 4.

**6. Initial Risk Level:** Determine probability and severity. Using the risk assessment matrix (page 3), determine level of risk for each hazard specified. probability, severity and associated Risk Level; enter level into column.

**7. Control:** Enter risk mitigation resources/ controls identified to abate or reduce risk relevant to the hazard identified in block 5.

**8. How to Implement / Who Will Implement:** Briefly describe the means of employment for each control (i.e., OPORD, briefing, rehearsal) and the name of the individual unit or office that has primary responsibility for control implementation.

**9. Residual Risk Level:** After controls are implemented, determine resulting probability, severity, and residual risk level.

**10. Overall Risk After Controls are Implemented:** Assign an overall residual risk level. This is equal to or greater than the highest residual risk level (from block 9).

**11. Supervision Plan and Recommended Course of Action:** Completed by preparer. Identify specific tasks and levels of responsibility for supervisory personnel and provide the decision authority with a recommend course of action for approval or disapproval based upon the overall risk assessment.

**12. Approval/Disapproval of Mission/Task:** Risk approval authority approves or disapproves the mission or task based on the overall risk assessment, including controls, residual risk level, and supervision plan.

**13. Risk Assessment Review:** Should be conducted on a regular basis. Reviewers should have sufficient oversight of the mission or activity and controls to provide valid input on changes or adjustments needed. If the residual risk rises above the level already approved, operations should cease until the appropriate approval authority is contacted and approves continued operations.

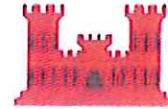
**14. Feedback and Lessons Learned:** Provide specific input on the effectiveness of risk controls and their contribution to mission success or failure. Include recommendations for new or revised controls, practicable solutions, or alternate actions. Submit and brief valid lessons learned as necessary to persons affected.

**15. Additional Comments or Remarks:** Preparer or approval authority provides any additional comments, remarks, or information to support the integration of risk management.

**Additional Guidance:** Blocks 4-9 may be reproduced as necessary for processing of all subtasks/ substeps of the mission/task. The addition and subtraction buttons are designed to enable users to accomplish this task.



RECORD OF ENVIRONMENTAL CONSIDERATION
REC



Date Submitted: 12/04/2014

EMD Number: 1433808

Project#: unknown

Project Title: Shoot House (CQB), marksmanship, explosive demo training at Booker Range

Description of proposed action:

Rangers will conduct battle drill 6, marksmanship, and explosive demo training on training on Booker Range. NEEDED BY 5 DEC 14.

Project Location:

Booker Range

Amount, Description, Location of Disturbance/Digging:

None

Number of Personnel:

40

Type Of Ammunition:

5.56, 7.62, 9mm, pyro,

Number/Types of Trees:

None

Size of Project Area:

0Feet

Duration of Action:

Start:12/5/2014 Stop:9/30/2015

Proponent: mossiev.quintero 545-0499

Organization/Unit:

75th RRgt

Number/Types of Vehicles:

1x bus, 1x GMV, 1x TMP - No vehicles will be taken off road.

Types of Aviation

Other Concerns

Decision: Concur with conditions

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

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

REC APPROVED THROUGH 30 SEPTEMBER 2015

Cultural Resources - Archeological

None

Edward Howard (706-545-1898), 12/5/2014

No Comment.

Hazardous Materials/Waste

Conditions:

Ted Williams (706-545-7579), 12/8/2014

Any wastes generated must be evaluated for their hazardous characteristics and disposed of in accordance with all Federal, State and Fort Benning Hazardous Waste Regulations.

Appropriate precautions must be taken to prevent hazardous material spills. Adequate quantities of spill response supplies must be on hand while work is being performed. If a spill occurs use notification procedures as outlined in the Fort Benning Hazardous Waste Management Plan.

Contain and clean up any spill according to guidance provided by the Environmental Protection Management Branch.

Contact POC for additional guidance for proper waste management.

Noise

Conditions:

Ellis Leeder (706-545-2400), 12/4/2014

Training has been analyzed as part of the Installation Operational Noise Management Program (IONMP) study. Any noise complaints will be investigated and recommend mitigation actions to the appropriate personnel for the training actions. This 144r

EMD Number: 1433808 Project# unknown

Project Title: Shoot House (CQB), marksmanship, explosive demo training at Booker Range

\*\*\*\*\*

must be present at the training site when occupying compartments or any firing ranges.

CWA - Training

Conditions:

Leah Ropski (706-626-0492), 12/5/2014

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.

Natural Resources - RCW

Conditions:

Michael Barron (706-544-7080), 12/4/2014

Concur with conditions. 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) to include no cutting of pines for camouflage, cover or concealment of any type. A copy of this 144R must be with the unit in the field. If any aspect of this training changes, a new 144R must be submitted along with a detailed description of the proposed changes and why they are necessary.

Signature John E Brown  
John E Brown

NEPA Program Manager

Date 9 DEC 2014

Signature Patrick R. Chauvey  
Patrick R. Chauvey

EPMB Chief

Date 09 DEC 2014



**IMCOM**  
SOLDIERS • FAMILIES • CIVILIANS

# RECORD OF ENVIRONMENTAL CONSIDERATION (REC)



Date Submitted: 9/17/2014

EMD Number: 1426102

Project#: Unknown

Project Title: Conduct MOUT, Shoothouse, Marksmanship, Special Demolition, Breaching Operations

Description of proposed action:

Rangers will conduct MOUT, Shoothouse, Marksmanship, and Special Demolition and Breaching Operations, Ammo and Explosives to be used: M456, M455, M470, M471, M021, X640, X643, X605, X467, X608, 9mm, 40 cal, 5.56, 7.62, 300 WINMAG, 338 Lapua, .50cal

Project Location:

Amount, Description, Location of Disturbance/Digging:

Booker Range

None

Number of Personnel:

None

Type of Ammunition:

See Project description  
Live

Number/Types of Trees:

N/A

Size of Project Area:

Duration of Action: Start: 10/1/2014 Stop: 9/30/2015

Proponent: James.m.simpson1 706-626-2628

Organization/Unit: 75th RRgt

Number/Types of Vehicles:

None

\*\*\*\*\*  
DECISION: Concur with conditions

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

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

\*\*\*\*\*  
**REC APPROVED THROUGH 30 SEPTEMBER, 2015**

Cultural Resources - Archeological None

Edward Howard (706 545 1898), 9/29/2014

Natural Resources - RCW Conditions:

Michael Barron (706 544 7080), 9/22/2014

See attached conditions. Note locations of red-cockaded woodpeckers (RCW) on attached maps. Training restrictions apply. Until 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) to include no cutting of pines for camouflage, cover or concealment of any type.

Air Management Programs Conditions:

Ellis Leeder (706 545 2400), 9/19/2014

This is necessary training that should be conducted however, with the use of Smoke generators, Smoke Grenades, C/S gas, portable power generators, and smoke pots, special considerations apply to the compartment boundary locations as not to let smoke or gas travel into adjacent communities or roadways both on and off the Installation. Range safety should be informed and utilized for managing training with smoke/gas devices as weather conditions can change hourly. It is important to consult MCoE Regulation 350-19 prior to training activity. Please review particular training restrictions found in section 5-20 of the Regulation. If you need assistance feel free to contact the Air Quality Program, shannon.t.danley.ctr@mail.mil or call 706 545-1298.

\*\*\*\*\*  
Hazardous Materials/Waste      Conditions:      Carlos Arlasochoa (706 545 1857), 9/22/2014

Considerations for Live Fire/Weapons Demonstration and Field Training Exercises:

1. Ensure personnel know the correct procedure for handling misfires at the range:
2. 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.  
-Misfire containers WILL BE PLACED on the firing lanes.
3. Ensure that all containers for collection of patches and swaps are kept closed unless weapons cleaning products are being added.
4. Unit must ensure that all MDI -Demolitions to include special military charges are managed IAW MCOE 350-19 sec 6-4 Munitions Management, 5-5 Demolitions and explosives, 7-2 (a) (b) Communications Requirements. Defective, misfired, or otherwise unserviceable munitions must be managed IAW/MCOE Reg.350-19-5-10, Para 9-2 (Proper management of Misfired munitions). All excess, munitions must be returned to the Ammunition Supply Point after the field exercise is completed. Rubbish, empty containers and other waste (including used smoke/G2 canisters) should be removed from the training area. A dud shall not be removed from the range; it will be marked, called into range control and will be properly disposed of by EOD personnel IAW/MCOE Reg. 350-19, 23 Jul 2010.
5. Any wastes generated must be evaluated for their hazardous characteristics and disposed of in accordance with all Federal, State and Fort Benning Hazardous Waste Regulations. Appropriate precautions must be taken to prevent hazardous material spills. Adequate quantities of spill response supplies must be on hand while work is being performed. If a spill occurs use notification procedures as outlined in the Fort Benning Hazardous Waste Management Plan Chapter 14. Contain and clean up any spill according to guidance provided by the Environmental Programs Management Branch. EPMB provides an 8 hours course covering Hazardous Materials/Waste Management, Hazardous Waste Minimization, Safety, and Pollution Prevention.

GWA - Training      Conditions:      Leah Ropski (706 626 0492), 9/18/2014

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/dischage -- 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: 1426102

IJO#

Project Title: Conduct MOUT, Shootouse, Marksmanship,  
Special Demolition, Breaching Operations

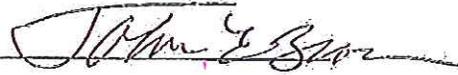
Noise

Conditions:

Ellis Leeder (706 545 2400), 9/19/2014

This is training operations request for training. If there is any operational noise complaints received, the Environmental Management Division Installation Operational Noise Monitoring Program (IONMP) and or Public Affairs Office (PAO) programs will investigate and then recommending operational noise mitigation actions to the appropriate personnel for the training actions. This 144r must be present at the training site when occupying compartment or ranges.

Signature



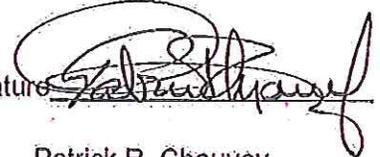
John E Brown

NEPA Program Manager

Date

30 SEP 2014

Signature



Patrick R. Chauvey

EPMB Chief

Date

30 SEP 2014

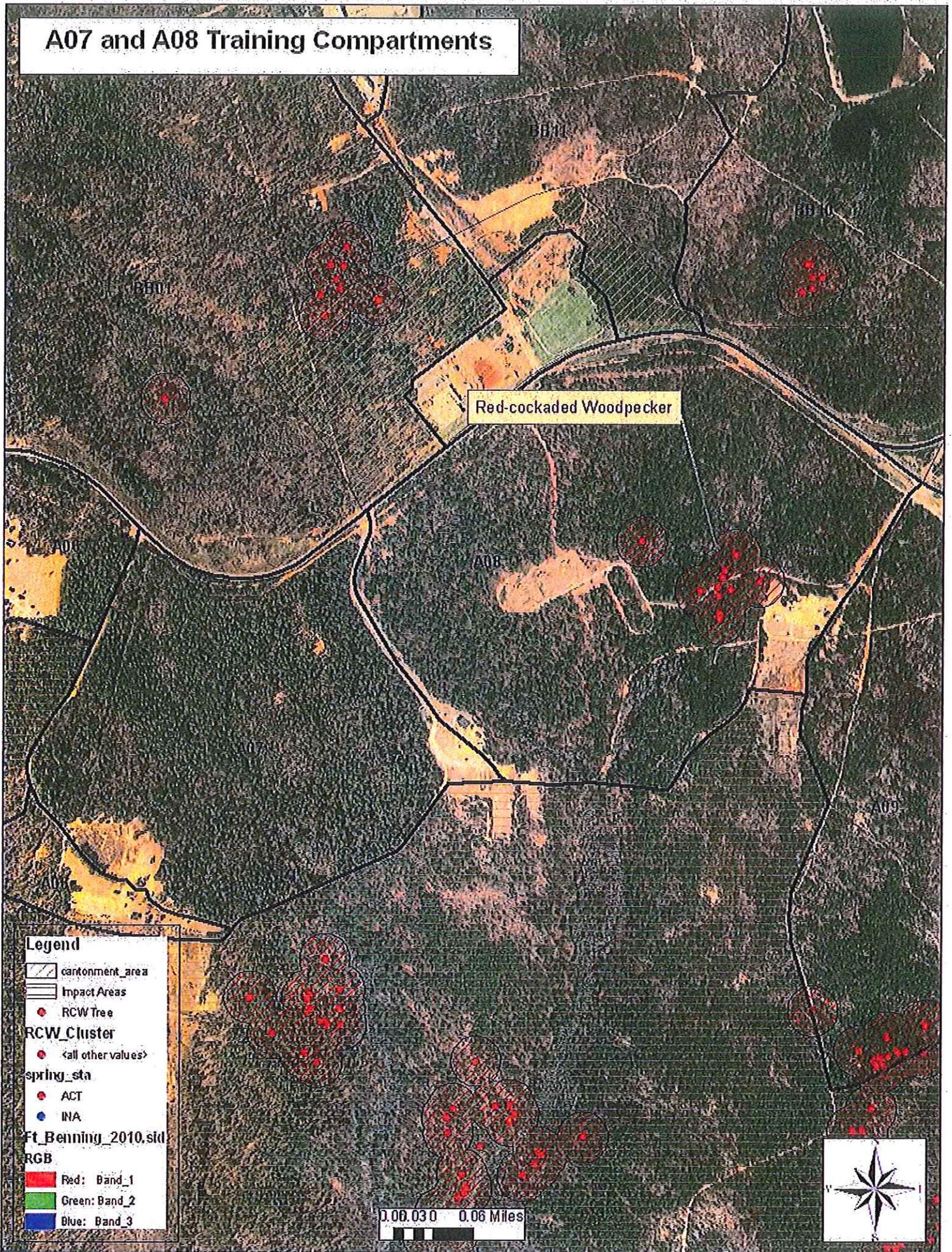
## RECORD OF ENVIRONMENTAL CONSIDERATION (FB FORM 144R) CONTINUED....

RECORD NUMBER: 1426102

1. Conservation Branch (CB) personnel may inspect for environmental violations. During April - July, CB will require access to the red-cockaded woodpecker (RCW) clusters to check for breeding activity. If any aspect of the exercise changes, a new 144R must be submitted. Unit should not conduct any type of activity that will result in the death or injury of pine trees that are 10 inches diameter or greater, this includes demolition, cutting, etc; off-road vehicles should not damage any such trees. Unit must not cut any pine trees for any use such as firewood, barricades, support structures, camouflage, etc. Failure to adhere to these conditions may result in disapproval of future 144Rs.
2. Backfill all fighting positions before leaving the training area.
3. There are several Red-cockaded woodpecker clusters located in the area of these training areas. Note locations on attached maps. An exception is granted to conduct live fire on these ranges but restrictions apply to the clusters and area adjacent to the Ranges (see attached). There is 1 RCW cluster located adjacent to Booker Range – Breech Site at centerpoint GL 98973-82791. Training restrictions apply to use of these areas for any other activities occurring at the sites. No new positions may be created, moved or expanded without concurrence with Conservation Branch. 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 any 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 (10 inches diameter at breast height or greater).
4. Report all wildfires to Range Control ASAP.

MICHAEL G. BARRON  
Wildlife Biologist, CB  
544-7080

# A07 and A08 Training Compartments



TRAINING ACTIVITY WITHIN 200' BUFFER ZONE	
Maneuver and Bivouac:	
Hasty defense, Light Infantry, Hand digging only, 2 hrs max	yes
Foot Transit	yes
Wheeled 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
Cutting Pine Trees (anywhere on post)	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 Positions	no

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

- (1) Vehicles (wheeled) will not get closer than 50 feet of a marked cavity tree unless on an existing road or trail; tracked vehicles may use named roads and trails that pass within 50 feet of a banded cavity tree but should reduce speed
- (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

## FORT BENNING ENVIRONMENTAL REGULATIONS SUMMARY

**SENSITIVE AREAS:** Endangered species habitat or cultural resources. They are marked with steel pickets and white signs. Digging and vehicular traffic is prohibited.

**POL/HAZMAT SPILLS:** Report all spills through Range Control at 545-3474. If assistance is required from the Fire Department/HAZMAT Team, Range Control will make notifications through E-911. For POL spills greater than 20 gallons on land or any quantity on surface water, the Environmental Management Division (EMD) must be immediately notified through E-911 or 545-9879/4203. For POL spills less than 20 gallons on land, a Spill Report Form must be submitted within 24 hours to the EMD (Call 545-9879 and/or FAX 545-4209). After hours call the spill pager at 317-6584.

Unit should begin spill control measurements (REACT) within their capabilities. If a spill occurs within a sensitive area; stop the source, contain, and absorb the spill material - do not dig until EMD personnel arrive at the site.

Be prepared to report:

- Time, grid location, and cause of spill.
- Type of product and amount spilled.
- Distance from flowing water.
- Action taken to combat spill.

See USAIC 210-4, Range and Terrain Regulations, for more detail.

### ENVIRONMENTAL INCIDENT REPORT FORM

Unit: \_\_\_\_\_

OIC/NCIC: \_\_\_\_\_

Training Area: \_\_\_\_\_

Grid Coordinates: \_\_\_\_\_

Date and Name: \_\_\_\_\_

Signature: \_\_\_\_\_

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

## FORT BENNING ENVIRONMENTAL REGULATIONS SUMMARY

**RED-COCKADED WOODPECKER (RCW):** Cavity trees are identified by two white bands. Cluster boundaries extend 200 feet around each cavity tree, and are delineated by diamond-shaped signs. **WITHIN a cluster:**

- Personnel **MAY NOT** stay for more than 2 hours; **NO BIVOUACS**.
- The only digging allowed is **BY HAND** for hasty defense light infantry fighting positions. **ALL** other digging is prohibited.
- Within one half mile of a cluster, **NO MECHANICAL DIGGING** may be done within 20 feet of any mature pine tree (8 inch diameter or greater).
- Off-road vehicles **MAY NOT** come within 50' of any cavity tree.
- Use only .50cal and 7.62mm (or smaller) blank ammo; **NO LIVE FIRE**.
- CS gas, HC smoke, and noise generators **MAY NOT** be used.
- Incendiary devices (including trip flares) **MAY NOT** be used.
- Only hardwood may be cut for camouflage; **CUT NO PINE**.

**GOPHER TORTOISE:** Inhabits burrows in high sandy areas. Some burrows are marked by white 1" PVC pipe topped with reflective tape. Digging and vehicular traffic must be kept more than 50 feet away from burrows.

----- CUT HERE -----

### ENVIRONMENTAL INCIDENT REPORT FORM

For your protection, company commanders are asked to document any environmental incidents by completing this card and forwarding it to the Chief, Environmental Management Division, Building 6, Room 307, or call 545-2180, within 24 hours of incident. Check off incident and take corrective actions.

- bivouacking in RCW cluster (Relocate bivouac site.)
- off-road driving / parking within 50' of RCW cavity tree (Relocate.)
- digging in RCW cluster [except individual hasty fighting positions] (Refill holes.)
- scarring or felling of trees in RCW cluster (Contact EMD Conservation Branch through Range Control.)
- digging or driving in Sensitive Area (Relocate, **DO NOT** refill holes.)
- wildfire started (Begin suppression and contact Range Control.)
- POL spill greater than 20 gallons on land or any quantity on water (Immediately contact Range Control and begin spill control - **REACT**.)
- POL spill less than 20 gallons on land (Begin spill control - **REACT**; contact Range Control and submit a Spill Report Form to EMD within 24 hours.)