FIRING/NONFIRING DATA

For use of this form see USAIC Regulation 350-19; the proponent agency is DPTMS Log 8-11-12

TO: Chief, Range Division, Directorate of Plans, Training, Mobilization and Security Fort Benning, GA 31905	**Date:** 13 August 2012 **Range:** Brann Range **Title:** Marksmanship, Shoothouse, Breaching Site, MTC **Problem No:**
THRU: S-3, 3/75 Ranger Battalion, 75th Ranger Regiment Fort Benning, GA 31905	**FROM:** 3/75 Ranger Battalion, 75th Ranger Regiment Fort Benning, GA 31905

SECTION I, TYPE OF TRAINING

☒ a. Live Fire ☐ b. Non-live Fire CP/Controller Coordinates:

SECTION II, DEMOLITIONS/GRENADES/MINES/PYROTECHNICS

Coordinates	Type	Model/DODAC	Size of Charges
Inside SHOOT HOUSE GA 0266 7629	See Demo/Grenade/Mine/Pyro Enclosure	See Demo/Grenade/Mine/Pyro Enclosure	See Demo/Grenade/Mine/Pyro Enclosure
Breaching SIte GA 0260 7614			
Explosive Entry Building GA 0260 7604			
Movement to Contact GA 0243 7542			

SECTION III, WEAPONS/AMMUNITION REQUESTED

Coordinates of Weapons Position	Type Weapon/Model Number	Type Ammunition	Left Limit	Right Limit
See Weapons And Ammo Enclosure	See Weapons And Ammo Enclosure	See Weapons And Ammo Enclosure	See Weapons And Ammo	See Weapons And Ammo

SECTION IV, LIVE FIRE EXERCISES Attach the following:

- ☒ Scenario of training to be conducted:
- ☒ Sketch of area:
- ☒ Risk Assessment:
- ☐ Attach FB Form 350-19-2-E-R if Mortar or artillery is being fired:

SECTION V, NON-LIVE FIRE TRAINING

Training area(s) to be occupied:

- ☐ Scenario of training to be conducted:
- ☐ Sketch of area(s) to be occupied:
- ☐ Risk Assessment:

Name/rank of requesting officer:	Name/rank of Major Unit S3/Commander:
Paul Rothlisberger, CPT, IN, Battalion Training Officer	Scott Cheney, MAJ, IN, Battalion S-3 Officer

SECTION VI, FOR RANGE DIVISION USE

DATE: 30 August 2012

TO: S-3, 3/75 Ranger Battalion, 75th Ranger Regiment Fort Benning, GA 31905	**FROM: Range Division, Directorate of Plans, Training, Mobilization and Security Fort Benning, GA 31905**

a. Roadblocks to be closed: See Roadblock Enclosure.

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

c. Remarks: Requires Waiver for Execution..

d. This approval expires: 29 August 2014

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

Brann Range Complex: 3/75 Ranger Regiment Marksmanship (Zero/CQM/Stress Fire), Shoot House, Movement to Contact, Breaching Site Weapons/Ammunition Enclosure				
Firing Position	**Weapon**	**Ammunition**	**Left limit of Fire. Mils, Grid Azimuth**	**Right Limit of Fire. Mils Grid Azimuth**
Marksmanship Zero: FP1: (GA) 0261 7592 to FP23: (GA) 0261 7598	10m: M249/ MK46, MK16 10m: M240/MK48/ MK/17 25m: M4/ M16/ MK16 PAQ 4/ PEQ2	5.56mm Ball/Tracer/Link 7.62mm Ball/Tracer/Link 5.56mm Ball/Tracer Laser Aiming Device	10m:4790 25m:4845	10m: 4975 25m: 4920
Marksmanship CQM/SRM: FP 1: (GA) 0261 7592 to FP23: (GA) 0261 7598	M4/ M16/MK16, M249/MK46 M9 /MP5, MK17 M320 PAQ 4/ PEQ2	5.56mm Blank/Ball/Tracer & Link 9mm ball, 7.62mm Ball 40mm TP Laser Aiming Device	25m: 4845 5m: 4695 40mm 4480	25m:4920 5m: 5065 40mm 5280
Marksmanship Stress Fire: Start: FP1: (GA) 0261 7592 to FP23: (GA) 0261 7598 Stop (100m): FP1:(GA) 0251 7592 to FP23: (GA) 0252 7599	Same as CQM	Same as CQM	100m: 4870 5m: 4695 40mm 4480	25m:4890 5m:5065 40mm 5280
Shoot House: GA 0266 7629	M4/ M16 / M249/ MK16 PAQ4 / PEQ2 9mm pistol/MP5 REM 870	5.56mm Blank/Ball/Linked Laser Aiming Device 9mm Ball 00 Buck Hatton	N/A	N/A
MTC First Contact: Vic. (GA) 0262 7546	M9/ M320 MK46/ M249/ M4/ MK16 M240/ MK 48/ MK17 REM 870	9mm/ 40mm TP 5.56mm Blank/Ball/Link/Tracer 7.62mm Blank/Ball/Tracer 00 Buck Hatton	250 Deg's	290 Deg's
MTC Second Contact: Vic. (GA) 0248 7540	Same as Above	Same as Above	250 Deg's	290 Deg's
MTC Third Contact: Vic. (GA) 0241 7539	Same As Above	Same as Above	250 Deg's	290 Deg's

Breaching Site: GA 0260 7614-GA 0260 7613	REM 870	12ga 00 Buck, Hatton	4815 mils	5215 mils
Breaching Site Explosive Entry Building: GA 0260 7604	REM 870	12ga Hatton	N/A	N/A

Brann Range Complex: 3/75 Ranger Regiment Demolitions and Pyrotechnics Enclosure			
Firing Position	**Type**	**Model/DODAC**	**Size of Charges**
Shoot House: GA 0266 7629	All Charges are breaching charges IAW 350-1-2, Dated18 AUG 99 Flash Bang ECT 300/600 Grain ECT 1200 Grain Det 6.4 Sec. Non Electric Demo Sheet C1, C2, C3, C6, C8 C4 20'/40' Nonel, Deta Prime Booster	DWBS, X688, X699 X470/471 X472 X611 X640,X643,X646,X649, X651 M112 X604/605, X455	All Charges are breaching charges IAW 350-1-2, Dated18 AUG 99 (02) 1.2G Articles, Pyrotechnic 1.1D Charge shape Flexible Linear 1.1D Charge shape Flexible Linear 1.1D Flexible Linear 1.1D Strip Charge 1.25 lbs or less
MTC: Vic. (GA) 0243 7542	Hand Grenade Frag Fuze Hand Grenade Prac Smoke, Green SIG ILLUM	G911 G878 G940 L116	N/A N/A N/A N/A
Breaching Site: GA 0260 7614-GA 0260 7613 **Breaching Site Explosive Entry Building:** GA 0260 7604	Same as Shoot House	Same as Shoot House	Same as Shoot House

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

30 August 2012

MEMORANDUM FOR Commander, 3/75th Ranger Regiment, Attn: CPT Paul Rothlisberger, Fort Benning, GA 31905

SUBJECT: 3/75th Ranger Regiment Deviation for Brann Range Safety Review

1. References.

a. Range Safety Waiver for Brann Range, 17 August 2012.

b. Army Regulation 385-10, The Army Safety Program, 04 October 2011

c. Army Regulation 385-63, Range Safety, 30 January 2012

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, 30 January 2012

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 24 August 2012.

3. Concur w/comment.

a. The standardization of the 75th Ranger Regiment sponsored range(s) which supports the METL is supported.

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

Encl

JILL E. CARLSON
Director, MCoE/USAG Safety

DEPARTMENT OF THE ARMY
HEADQUATERS, 3RD RANGER BATTALION, 75TH RANGER REGIMENT
7917 DAWSON STREET, BUILDING 2941
FORT BENNING, GEORGIA 31905

REPLY TO
ATTENTION OF

AORG-CO

30 August 2012

MEMORANDUM FOR RECORD

SUBJECT: Brann Range: Marksmanship (Close Quarters Marksmanship, Weapons Zero, Familiarization and Stress Shoot. Brann Range: Shoot House. Brann Range: Movement to Contact Lane (Scenario 1 and 2). Brann Range: Breaching Site, Explosive Entry Building, Mechanical Breaching Area.

1. REFERENCES:

   a. Army Regulation 385-63, 30 January 2012, Range Safety

   b. DA Pamphlet 385-63, 30 January 2012, Range Safety

   c. MCOE 350-19 (Range and Terrain Regulation), 19 Jan 2010

   d. RTC 350-19 (Regimental Breaching Guide), 23 July 2009

2. The purpose of this memorandum is to outline the planned overall training concept to be conducted by 3rd Ranger Battalion on Brann Range. This training will include close quarters marksmanship, weapons zero and familiarization, various stress shoot scenarios, Shoot House training, Explosive Breaching, Mechanical Breaching, Ballistic Breaching, and two Movement to Contact Scenarios.

3. **Concept of the Operation Phase I** – Marksmanship:

   a. **Weapons Zero and Familiarization:** This training will be conducted from the covered firing line (23 firing points, 3m apart) at the 10 and 25 meter targets. During this training, Rangers will only engage targets within their assigned lane and instructors will be available to assist all firers. Weapons will be cleared prior to checking and changing targets, and Rangers will move down range together online. See Enclosure for location.

   b. **Close Quarters Marksmanship:** This training will be conducted from the covered firing line out to 50 meters. During this 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 (180 and 90 degrees) is completed. When conducting forward movement, all Rangers will move online. Rangers will be separated by ample space during the entire exercise. There are 23 lanes available for the exercise (3m wide each) or 34 lanes (2m wide each) with target distances varying from 5 meters to 50 meters with one shooter per lane. Rangers may use the M320 from the firing line, engaging targets at least 120 meters downrange, to targets no farther than 160 meters downrange. Targets may vary slightly to the left and right of the center of the range. No one will move forward of the firing line when shooting M320 and an instructor will monitor each Ranger firing the M320. See Enclosure for location.

   c. **Stress Shoot:** This training is to be conducted from the covered firing line out to 100 meters. During this training, Rangers will be stressed physically and mentally prior to engaging a series of targets from 5 to 100 meters. There will be various firing positions consisting of barriers, walls, and windows on the course. Rangers will be trailed by an instructor during the entire exercise and only

engage designated targets. There will only be one firer and one instructor on the course at a time all weapons will be cleared under the supervision of the instructor prior to leaving the course. Rangers may use the M320 for the Stress Fire. M320 targets will be at least 120 meters downrange, and no farther than 160 meters downrange. M320 firing locations will be from the firing line, 10 meter line, 25 meter line, and the 50 meter line. The primary direction of fire (PDF) and movement is 4880 mils (grid azimuth) with a left and right limit of fire 185 mils left and right of the PDF. This equals to a target area 6 feet wide, left and right (12 feet total), of the PDF for every 10 meters the Ranger is from the target. Example: Ranger is 20 meters from target; target area is 12 feet left and right (24 feet total) of the PDF. Ranger is 5 meters from target; target area is 3 feet left and right (12 feet total) of the PDF. See enclosure location.

d. **Marksmanship Safety**: All activities on the range will be controlled by the OIC and RSO and all training will begin with a range safety brief that includes a range orientation and discussion of the following safety measures:

(1) Rangers will conduct inspections of all weapons, equipment, and ammunition prior to conducting training.

(2) Every Ranger is a safety officer. Anyone who observes an unsafe act can call a cease fire. Cease fire signals will be briefed prior to executing training and will be based on unit SOP. Cease fire signals will be briefed prior to executing training and will be based on unit SOP. There will be at least one safety with a safety whistle which will be the primary means of communication during any range emergency. At the sound of any whistle an emergency cease fire will be called by all firers on the range.

(3) All weapons will only be fired from designated firing areas and all targets will be within the left and right limits of the range. All weapons will also remain on safe when Rangers are not actively engaging targets.

(4) Primary medical coverage will be provided by a dedicated medic or Ranger First Responder. There will be a dedicated CASEVAC vehicle and the medic/RFR will notify Range Control of any incidents and then call 911 as necessary.

(5) The OIC and RSO will maintain constant communication with Range Control throughout the entire exercise. There will only be constant communication between the OIC, RSO, safeties, and all medical personnel.

(6) Rangers will receive all ammunition from a dedicated ammunition supply point and will return any unused ammunition to this same point. Delinking and or relinking of ammunition and its use is not authorized. Blank and Live ammo will be at separate ammo points.

(7) All weapons will be locked, loaded only on firing lines and cleared prior to leaving the firing lines and the range. Rangers will also take all instructions to lock, load, or clear their weapons from the RSO or designated instructors/lane safeties.

(8) Weapon malfunctions will be IAW unit SOP.

(9) Dry and Blank fire rehearsals will be conducted prior to live fire CQM and Stress Fire.

(10) Weapons will be cleared using a one piece clearing rod.

(11) The attached Risk Management Worksheet covers all additional safety mitigation measures.

(12) Any incident, safety or otherwise, will be reported immediately to Range Control and 3rd Battalion, 75th Ranger Regiment Headquarters.

5. Concept of the Operation Phase II - Shoot House:

Purpose: To outline the planned execution of training in the Brann Shoot House and ensure that the training is conducted safely in accordance with Fort Benning safety policies and procedures.

a. Training Tasks and Objectives: The purpose of this training is to execute a Close Quarters Combat (CQC) LFX IAW the standards listed in ARTEP 7-8 DRILL.

b. Concept of the Operation: The live fire exercise (LFX will utilize the shoot house on Brann Range. Actions on the range will consist of three phases: (1) mission preparation/rehearsals;(2) LFX (3) Consolidation.

(1) Phase I: All Rangers will receive a range safety brief. Personnel will conduct a dry and blank fire exercise prior to going live inside the shoot house to include the placement of demolition charges if utilized. Prior to executing the LFX the Company Commander, Branch Qualified Staff O3, or First Sergeant will certify that the team/squad is ready for the LFX by validating them on the dry and blank fire exercise. If teams or squads will be conducting training at the same time, the scenario will be briefed and the Rangers will conduct a dry fire and blank fire iteration. There will be a Range Safety Officer with both elements to ensure training is being conducted safely.

(2) Phase II: Upon arrival at the range, the Range Safety Officer (RSO) will issue a safety brief and discuss the layout of the range. The team/squad will move to the ammunition point and draw the required ammunition/demolitions for training. Prior to moving to the entry point the RSO will ensure that the demolition charges have been properly prepared. The mission begins with the team/squad located at the entry point of the shoot house and/or the entry point of a designated room within the shoot house (see sketches for scenarios). On command, the RSO will supervise the placement of charges when utilized, and instruct the team/squad to load their weapons, ensuring that each weapon is on safe. No weapon will be loaded until inside the walls of the Shoot House. The RSO will stay with the team throughout the clearance to control their movement from room-to-room to ensure safe movement. On command the team/squad will enter the building/room and proceed with the training exercise. Upon completion, the RSO will ensure that the teams/squads clear their weapons before exiting the Shoot House.

(3) Phase III: Upon completion of Phase II, all weapons will be cleared and the RSO will check to ensure that each weapon is unloaded and on safe. The team/squad will be cleared off the range and an ammunition check will be conducted. The team/squad will police as much brass as possible and secure unused demolitions. Expended brass and demolitions will be disposed of in accordance with paragraph 5-15 in MCoE Regulation 350-19

c. Shoot House Safety:

1) The OIC and RSO will brief all Rangers on the following:

(1) All Rangers are safety officers. Anyone observing an unsafe act will immediately call cease-fire.

(2) The OIC will designate a laser safety officer and that individual will ensure safe laser practices are followed.

(3) The Company Commander, First Sergeant, or Branch Qualified Staff O3 will certify that the target scenario in the shoot house is validated.

(4) All weapons will be discharged within the confines of the shoot house.

(5) Weapons will remain on safe when a ranger is not actively engaging a target.

(6) Any errant shots outside of any approved range fan, above the marked yellow line or near a fellow Ranger or instructor will result in an immediate cease fire and that individual will be retrained. If that individual fires and errant shot again he will be considered a safety hazard and will be removed from training.

(7) Procedures to follow in the event of a demolition "misfire" will be in accordance with unit SOP. Demolition usage will be in accordance with paragraph 5-5 in MCoE Regulation 350-19. All charges will be built in accordance with RTC 350-1-2, Appendix B. Safety precautions in accordance with RTC 350-1-2, Chapter 3 will be followed.

(8) All signals will be briefed prior to training.

2) All safeties will maintain communications with the range OIC.

3) The RSO/OIC will ensure that the training area is clear of other occupants before training and supervise a guard detail to restrict entry into the training area. Coordination with Range Control to close off or adjust training on ranges within the SDZ will be made by the OIC.

4) The RSO/OIC will ensure the proper separation of live and blank ammunition at the Ammo Supply Point and conduct a weapon/ammunition check prior to all training.

5) The RSO/OIC at a minimum will have obtained the rank of SSG/SFC in accordance with the MCoE Regulation 350-19, Table 2-5.

6) A Ranger Medic with a dedicated covered aid vehicle will be present during all training.

7) The RSO/COIC will be positioned with each team/squad, controlling their movement through the shoot house.

6. **Concept of the Operation Phase III-** Breach Site:

Purpose: This MOI outlines the training concept for 3rd Ranger Battalion's execution of Breach Training on Brann Range.

a. Training Objective: Each squad is a "T" in Explosive, Mechanical, and Ballistic Breaching Techniques. Desired end state is proficiency at all trained tasks during periods of limited visibility.

b. Tasks to be trained:
   (1) Construction of Various Demolitions Charges
   (2) Explosive Breach of Door way
   (3) Employ Shotgun for Ballistic Breach
   (4) Utilize Various Mechanical Breaching Tools

c. General: Leaders will conduct PCIs and rehearsals prior to departure for the range. They will ensure that every Ranger has all required equipment prior to boarding transportation to the range. ADVON will leave for the range approximately 30 minutes prior to the main body to begin setting up the range and ensure the range is ready for the main body. The main body will then move by bus to Brann Range. They will receive a safety brief and range orientation from the RSO. The RSO will familiarize all Rangers with the Explosive Breaching site, the Mechanical Breach site, and the Explosive Entry Building. The RSO will be responsible for ensuring that the proper training is being conducted on each. The platoons will police the range and put all ammo in the designated ASP and then return to the company.

d. Concept of the Operation.

(1) **Phase I (Training Resourcing)** This phase will begin with the production of the MOI. This phase will include all resourcing, CONOP, MOI and Risk Assessment production, range preparation. The key to this phase is the validation of the range and signed approval of the risk assessment. This phase will end with the beginning of range set up on the day of execution. Storage of explosives and ammunition will be IAW DA-PAM 385-63, TM 9-1300-206 and FM 3-34.21/MCRP 3-17.7L. Blasting Caps and explosives will be separated and stored in field ammunition supply points. A guard will be posted and maintain control of the ammunition points. A minimum of two 10 BC fire extinguishers will be placed at the ammo points. No meals will be eaten near the ammo points, and all trash will be picked up as it is generated. The OIC/RSO will post a guard at the entrance of Brann Range Facility. Guard will remain in place while the range is occupied.

(2) **Phase II (Range Preparation)** This phase will begin with range set up. Key to this phase is all breaching areas prepared for training. RSO for each breaching training area of the breach site will have communication between one another. They will know where their training elements limits are IOT facilitate the use of the entire Breaching Site, as well as the Rest of Brann Range. This phase will end with the commencement of training. The Mechanical breaching RSO will ensure that only Mechanical breaching equipment is in this area, and will check each individual Ranger for any type of Demo or munitions. The Explosive Entry RSO will ensure everyone is wearing full body armor, and that all Explosive and Ballistic breaching is done within the confines of the outer wall of the Explosive Entry Building. The Breaching area RSO will ensure that every Ranger is wearing full body armor, as well as making sure individuals not involved in the training are behind the Safety Wall.

(3) **Phase III (Range Execution)** This phase begins with the commencement of training. Key to this phase is all Rangers safely trained in the use of Explosive, Ballistic, and Mechanical Breaching techniques. Ballistic and explosive breaching will not be conducted simultaneously. Explosive Breach training will consist of building the appropriate charge, proper placement of the charge, proper procedures for detonating the charge, and investigating the area that was

breached to confirm desired effect. OIC/RSO and supervisors will maintain supervision of explosives during construction and placing of charges. Rangers will carry charge and detonating system separately. The charge will not be connected to the detonating system during any movement. Once charge is placed all Rangers, except for the breach team will move behind the safety wall. The breach team will remain outside the MSD at a 90 degree angle from the charge behind a blast shield, in accordance with current approved waiver and MSD charge calculations outlined in RTC 350-19 with an instructor/RSO. Once the charges are detonated, the OIC/RSO will determine the "All Clear" at which time Rangers will exit cover and inspect their charges. All training will be conducted at a 10 to 1 Ranger to RSO/Supervisor ratio to maximize training safety. In the event of a misfiring demo charge, the call of "misfire" will be made and all personnel will remain behind the safety wall for no less than 30 minutes. After 30 minutes, the OIC/RSO will move to the charge and conduct a visual inspection. If the OIC/RSO deems conditions of the charge to be stable/safe, another charge will be placed next to the misfiring charge and they will be blown in place. If the OIC/RSO deems the charge to be unstable/unsafe he will notify EOD and all personnel will remain behind the safety wall until EOD eliminates the unstable charge. Explosive Breaching will be conducted on the Breach Site, as well as the Explosive Entry Building, with an RSO with each Ranger conducting the training. Ballistic Breaching training will consist of proper loading, unloading, carrying, and use of the shotgun to gain entry through a door. The OIC/RSO will control the issue of weapons systems upon completion of dry rehearsals and their collection after live fire training. Any unused ammunition will be returned to the AHA. Rangers will receive weapons familiarization and conduct multiple dry fire iterations. No ammunition will be taken from the ammo point until all dry fire/cold training with the shotguns are complete. The only time the shotgun will be loaded is when the Ranger is at the Breach Site ready to conduct the training, or at the Explosive Entry Building inside the outer wall surrounding the building and the order to lock/load is given. Rangers will move tactically toward the target they will be breaching. They will move to the door, chamber a round and place the barrel zero to two inches off the door at a 45 degree angle in and down. Rangers will then fire two rounds in a figure eight pattern around the locking mechanism of the door. Upon completion of the breach, Rangers will clear the weapon, and it will be inspected by an RSO/Supervisor. The shotgun will be pointed downrange at the Breach Site, and pointed into the building at the Explosive Entry Building. There will be an RSO with each Ranger using the shotgun.

(4) Mechanical Breaching training will consist of cold training, using various tools to breach doors. Thermal Breeching: Thermal breeching (oxygen and plasma torch) will be conducted outside of station 6 in a gravel pit. Prior to conducting live fire operations, students will receive familiarization on the use of the torch system and conduct dry fire iterations. Students will be supervised by an instructor and RSO during live fire iterations. All cuts will be conducted facing the northwest of the range.

(5) There will be an RSO at the mechanical breach site as well to ensure safe use of each of the tools. All Rangers will wear full body armor during the Breaching training.

(6) **Phase IV (Recovery)** This phase will begin after the final explosive, mechanical, or ballistic breach is complete. This phase will include recovery of the range, and recovery and maintenance of equipment. The key to this phase is 100% accountability of all equipment and sensitive items, as well as disposing and replacing the building materials used to support our training. RSO will inspect every Ranger to make sure they do not have any leftover Demolitions or Ammunition. All unused explosives and ammunition will be placed at the ASP and disposed of properly.

f. **Breaching Site Safety:**

(1) All Rangers will be supervised in the use of Explosive, Ballistic, and Mechanical Breaching Techniques. Any misfire of any demolitions will be handled as per unit SOP and Regulation MCoE 350-19. FM 3-34.214. All Rangers not conducting Explosive or Ballistic Breaching Techniques will remain located behind the metal dividing wall and will not proceed around this wall until they are to execute breaching techniques. RSO/OIC will ensure all Rangers are wearing appropriate and complete personal protection as prescribed in FM 3-34.214 and MCoE 350-19.

(2) Medical Coverage: A platoon medic will provide medical coverage. A dedicated van with driver and route to MACH will be located at the admin area. An HLZ will be designated vicinity GA 0263 7583 for E911 in case of wounds that jeopardize life, limb, or eyesight.

(3) All Rangers are safety officers. Anyone observing an unsafe act will immediately call cease-fire.

(4) All safeties will maintain communications with the range OIC.

(5) The RSO/OIC will ensure that the training area is clear of other occupants before training and supervise a guard detail to restrict entry into the training area. Coordination with Range Control to close off or adjust training on ranges within the SDZ will be made by the OIC.

(6) The RSO/OIC at a minimum will have obtained the rank of SSG/SFC in accordance with the MCoE Regulation 350-19, Table 2-5.

(7) A Ranger Medic with a dedicated covered aid vehicle will be present during all training.

(8) The RSO/COIC will be positioned with each team/squad, controlling their movement throughout the Breach Site.

(9) Command and Signal: The RSO/OIC will maintain communications with range control via FMs at all times. The RSO/OIC will maintain communication with the gate guard at all times.

10. Concept of the Operation Phase IV- Movement to Contact (Scenario I):

Purpose: This MOI outlines the training concept for 3rd Ranger Battalion's execution of team/squad live fire (Scenario I) at Brann Range.

a. References

1) 75th Ranger Regiment Marksmanship RTC 350-10. dtd OCT06
2) RTC 350-1 (75th Ranger Regiment Training Circular). dtd OCT2000
3) USAIC Regulation Number 210-4. dtd May05
4) FM 3-22.9 (Rifle Marksmanship M16/M4Series Weapons. dtd AUG08
5) The Infantry Rifle Platoon and Squad, FM 3-21.9 dtd MAR07
6) Infantry Live Fire Training, TC 7-9. dtd SEP93
7) Soldiers Manual of Common Tasks, Warrior Skills Level 1, STP 21-1-SMCT. dtd DEC07

8) ARTEP 7-8 Drill dtd JUN2008
9) Battalion Commander's Policy Letter #7, Conduct of Maneuver Live Fire.

b. Training Objective: Each squad is a "T" in react to contact and squad attack. Desired end state is proficiency at all trained tasks during periods of limited visibility.

1) Individual Tasks:

(1) Control Movement of a Fire Team
(2) Move under direct fire
(3) Move as a Member of a Fire Team
(4) Engage Targets with an M249, MK46 Machine Gun
(5) Engage Targets with an M4, MK16, MK17
(6) Engage Targets with an M203
(7) Engage Targets with an M240B/L Machine Gun or MK48
(8) Use Visual Signaling Techniques
(9) Employ Hand Grenades

2) Leader Tasks:
(1) Control Organic Fires
(2) Conduct Movement of a Fire Team
(3) Conduct the Maneuver of a Squad

3) Collective Tasks:
(1) React to Contact
(2) Knock out a Bunker
(3) Enter and Clear a Room
(4) Squad Attack

c. General: Leaders will conduct PCIs and rehearsals prior to departure for the range. They will ensure that every Ranger has all required equipment prior to boarding transportation to the range. ADVON will leave for the range approximately 30 minutes prior to the main body to begin setting up the range and ensure the range is ready for the main body. The main body will then move by bus to Brann Range. They will receive a safety brief and range orientation from the RSO. The platoon will then validate day blank on the Movement to Contact site of Brann Range, Followed by day live on the designated live fire lane. Once complete the platoon will validate night blank on Brann Movement to Contact Range, and then conduct night live on the live fire lane. The platoons will police the range and put all ammo in the designated ASP and then return to the company.

d. Concept of the Operation.

1) **Phase I (Training Resourcing)** This phase will begin with the production of the MOI. This phase will include all resourcing, CONOP, MOI and Risk Assessment production, range preparation including the prepositioning of building materials for the bunker and building, rehearsals and briefings. The key to this phase is the validation of the range and signed approval of the risk assessment. This phase will end with the beginning of range set up on the day of execution.

2) **Phase II (Range Preparation)** This phase will begin with the placement of all targets and range set up, IAW the CONOP sketch. Key to this phase is all targets emplaced, bunker

and buildings built, and the range reset personnel staged for the reset. This phase will end with the commencement of training.

3) **Phase III (Range Execution)** This phase will begin with the commencement of training. Key to this phase is day and night live fire iterations. Each squad will execute blank and live day iterations before progressing to night. All training will be conducted day and night, however if a squad is not validated prior to night they will not fire under limited visibility. Each squad will begin each iteration at the start line. The squad leader will be given a scenario where they are tasked to clear a target building 300 meters to the northwest on a given azimuth. Adjacent units to their left and right limit their direction of movement and their fires from 250 degrees as their left limit to 290 degrees as their right limit. Initial movement will be approximately 100 meters to their first engagement. This will be two targets emplaced in an observation position. Squad leader will control the assault through the objective to his limit of advance. The squad will consolidate and reorganize, then continue movement towards their objective. 200 meters past the initial contact, the squad will encounter their second engagement. This will consist of an enemy bunker with a target outside, a one-room building with one target outside and one inside and a third target ten meters in depth. The squad leader will assess the situation and assault the objective. When using hand grenades to knock out the bunker, all Rangers will be behind cover or 150 meters away, as per DA PAM 385-63. After successfully knocking out the bunker and clearing the building the squad leader will establish his limit of advance. Once consolidated, a target will pop up directly to his front, representing an enemy squirter and the third engagement. The squad leader will engage the counter attack until all enemy elements are destroyed. At this time the counter attack will cease and he will consolidate and reorganize. Once complete, he will move off of the lane, utilizing the unimproved road at the end of the lane, and the next squad will execute. This phase will end with the final night live fire.

4) **Phase IV (Recovery)** This phase will begin after the final night live fire. This phase will include recovery of the range, final after action reviews, and recovery and maintenance of equipment. The key to this phase is 100% accountability of all equipment and sensitive items.

e. Safety. IAW 350-1-1 the principles of safe weapons handling will be followed at all times on the range, during both blank and live fires. Rangers must be aware of their buddy's positions in relation to their own while assaulting enemy positions. Any movements left, right, or rear and potentially into another Rangers line of fire, must be clearly communicated and understood before executed. Rangers will maneuver outside of the 15 degree SDZ approved by the current CG's waiver. For grenade handling and throwing to include misfire procedures a member of the chain of command will monitor at all times to ensure compliance with DA PAM 385-63. In the case of a misfire, let grenade stand for five minutes, move all Rangers outside of MSD (150 meters), and EOD will be notified. Lane OIC will confirm suitability of bunker prior to use and repair prior to additional iterations if needed. For each iteration only one live grenade will be carried by a single qualified Ranger. Rangers will lock/load after given command and clear prior to moving off of the LOA. Live and blank ammunition will be separated in separate ASP's and live and practice grenades will be stored and accounted for separately by qualified personnel. Both SP's will be located on the unimproved road vicinity the start point for the lane.

11. Concept of the Operation Phase V- Movement to Contact (Scenario II):

Purpose: This MOI outlines the training concept for 3rd Ranger Battalion's execution of team/squad live fire (Scenario II) at Brann Range.

a. References

(1) 75th Ranger Regiment Policy Letter #7
(2) RTC 350-1 (75th Ranger Regiment Training Circular). dtd OCT2000
(3) USAIC Regulation Number 210-4. dtd May05
(4) FM 3-22.9 (Rifle Marksmanship M16/M4Series Weapons. dtd AUG08
(5) The Infantry Rifle Platoon and Squad, FM 3-21.9 dtd MAR07
(6) Infantry Live Fire Training, TC 7-9. dtd SEP93
(7) Soldiers Manual of Common Tasks, Warrior Skills Level 1, STP 21-1-SMCT. dtd DEC07
(8) ARTEP 7-8 Drill dtd JUN2008
(9) Battalion Commander's Policy Letter #7, Conduct of Maneuver Live Fire.

b. Training Objective: Each squad is a "T" in react to contact and squad attack. Desired end state is proficiency at all trained tasks during periods of limited visibility.

1) Individual Tasks:
(1) Control Movement of a Fire Team
(2) Move under direct fire
(3) Move as a Member of a Fire Team
(4) Engage Targets with an M249 Machine Gun
(5) Engage Targets with an M4 or M4A1 Carbine
(6) Engage Targets with an M203
(7) Engage Targets with an M240B/L Machine Gun
(8) Correct Weapons Malfunction
(9) Use Visual Signaling Techniques
(10) Employ Hand Grenades
(11) Control Use of NVG
(12) Treat Casualty

2) Leader Tasks:
(1) Control Organic Fires
(2) Conduct Movement of a Fire Team
(3) Conduct the Maneuver of a Squad
(4) Conduct TLPs
(5) Conduct PCC/PCI
(6) Call 9 Line MEDEVAC

3) Collective Tasks:
(1) React to Contact
(2) Conduct CASEVAC
(3) Break Contact

(4) Squad Attack

c. General: Leaders will conduct PCIs and rehearsals prior to departure for the range. They will ensure that every Ranger has all required equipment prior to boarding transportation to the range. ADVON will leave for the range approximately 30 minutes prior to the main body to begin setting up the range and ensure the range is ready for the main body. The main body will then move by bus to Brann Range. They will receive a safety brief and range orientation from the RSO. The platoon will then validate day blank at a separate area on Brann Range, Followed by day live on the designated live fire lane. Once complete the platoon will validate night blank at a separate area on Brann Range, and then conduct night live on the live fire lane. The platoons will police the range and put all ammo in the designated ASP and then return to the company.

d. Concept of the Operation.

1) **Phase I (Training Resourcing)** This phase will begin with the production of the MOI. This phase will include all resourcing, CONOP, MOI and Risk Assessment production, range preparation including the prepositioning of targets, rehearsals and briefings. The key to this phase is the validation of the range and signed approval of the risk assessment. This phase will end with the beginning of range set up on the day of execution.

2) **Phase II (Range Preparation)** This phase will begin with the placement of all targets and range set up, IAW the CONOP sketch. Key to this phase is all targets emplaced, bunker and buildings built, and the range reset personnel staged for the reset. This phase will end with the commencement of training.

3) **Phase III (Range Execution)** This phase will begin with the commencement of training. Key to this phase is day and night live fire iterations. Each squad will execute blank and live day iterations before progressing to night. All training will be conducted day and night, however if a squad is not validated prior to night they will not fire under limited visibility. Each squad will begin each iteration at the start line. The Team will depart from the Start Point (SP) VIC of 16S GA 02734 75432 and move on a designated azimuth of 270 degrees with a left limit of 250 degrees and a right limit of 290 degrees utilizing the proper movement technique and formation. The element will make contact with 2 x ENY in approximately 100 meters from the SP. Targets will rise with the pneumatic gun to initiate contact. The team will react to contact to their direct front, the TL will direct the fires of his team against known, likely, and suspected fighting positions. The targets will drop as soon as the TL effectively sets the desired conditions for the assault. Once they clear the LOA the TL will consolidate and then continue movement on the original azimuth of 270 degrees. The Team will encounter a second contact with 3 x ENY to their front concealed by vegetation. Targets will rise with the pneumatic gun on automatic to initiate contact. The TL will be forced to assess the terrain and size of the enemy force. The best COA is for the Team to break contact and the TL will

direct the fires of his team against known, likely, and suspected fighting positions. The TL will set the conditions to bound his element back utilizing fire and movement. The targets will drop when there is sufficient time and space that the team is no longer receiving effective fire from the enemy. Once behind cover the TL will consolidate and transmit a SITREP. After sending a SITREP the lane will be terminated and all Rangers will leave the maneuver area. The OIC/RSO will verify that no Rangers are within the maneuver area before another team begins iteration.

4) **Phase IV (Recovery)** This phase will begin after the final night live fire. This phase will include recovery of the range, final after action reviews, and recovery and maintenance of equipment. The key to this phase is 100% accountability of all equipment and sensitive items.

e. Safety. IAW 350-1-1 the principles of safe weapons handling will be followed at all times on the range, during both blank and live fires. Rangers must be aware of their buddy's positions in relation to their own while assaulting enemy positions. Any movements left, right, or rear and potentially into another Rangers line of fire, must be clearly communicated and understood before executed. Rangers will maneuver outside of the 15 degree SDZ approved by the current CG's waiver.

12. The point of contact for this memorandum is CPT Paul Rothlisberger at 545-0499 or at Paul.A.Rothlisberger@us.army.mil.

PAUL ROTHLISBERGER
CPT, INFANTRY
3/75 TRAINING OFFICER

Additional Safety Notes For Brann Range Complex 3-75 Log #8-11-12

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

Communications: Unit will maintain continuous contact with Range Control at all times. If communications are lost the unit will go into a self induced check fire until communications are restored.

Incident: When an incident occurs on the range, regardless of injury or not, the OIC/RSO will immediately call a cease fire and report it to Range Control and the using unit's higher headquarters. OIC/RSO will take action as directed by Range Control. The cease fire will remain in effect until the problem is resolved and cleared through Range Control. If the incident results in an injury, the OIC/RSO will use the procedures outlined in the medical paragraph. The following information will be furnished by the OIC/RSO to Range Control:

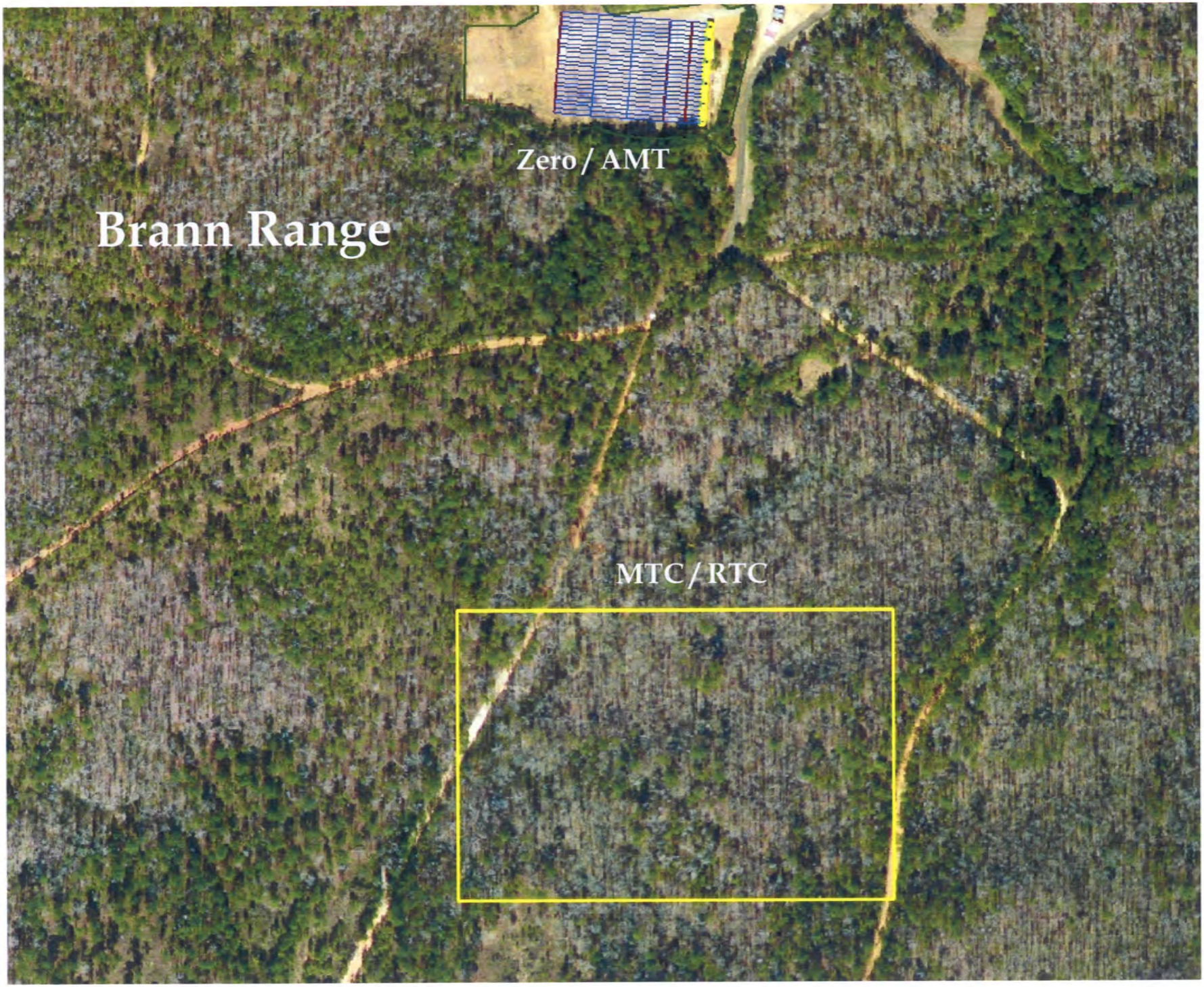
a. Designation of unit.
b. Range and location
c. Type of weapon involved.
d. Type of ammunition involved.
e. Brief summary of what happened.
f. Personnel injuries and extent.
g. Full Name, SS#, Rank and unit of injured personnel.
h. Extent of property damage.
i. Intentions regarding an AR 15-6 investigation.

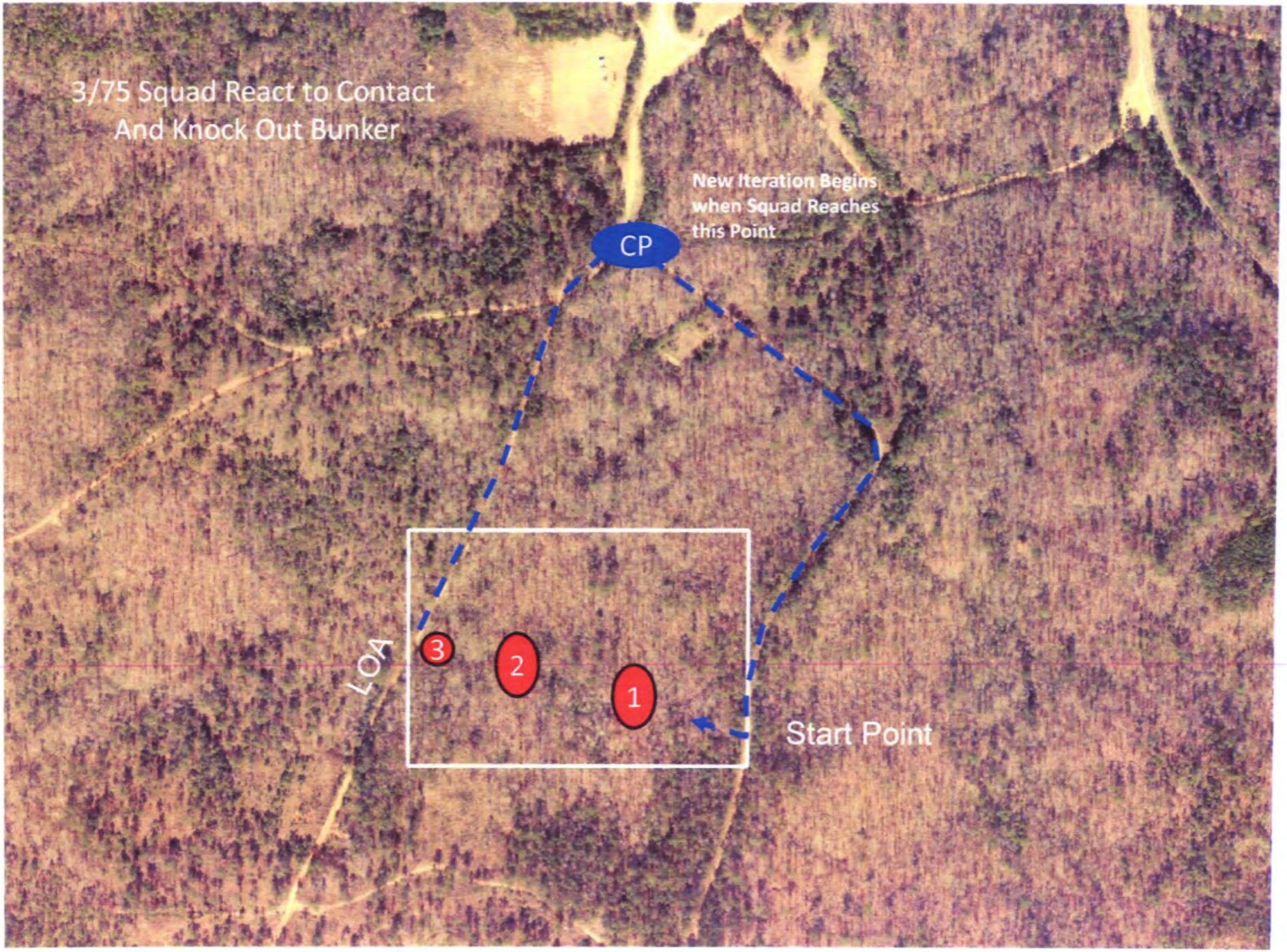
Medical: In the event of an accident, injury or illness, the OIC/RSO will immediately call a cease fire then call 911 using the standard 9 Line MEDEVAC to determine what type of evacuation is the most appropriate for the injury (loss of life, limb or eyesight). MEDEVAC will be IAW MCoE Regulation 350-19 and USAIC 40-2. Landing zone for MEDEVAC aircraft will be established prior to use and will be marked appropriately. Range Control will be notified in this event. The cease fire will remain in effect until cleared through Range Control.

Ammunition: There will be no de-linking or re-linking of any ammunition. Any ammunition that has been de-or re-linked is considered nonstandard and is prohibited from the range.

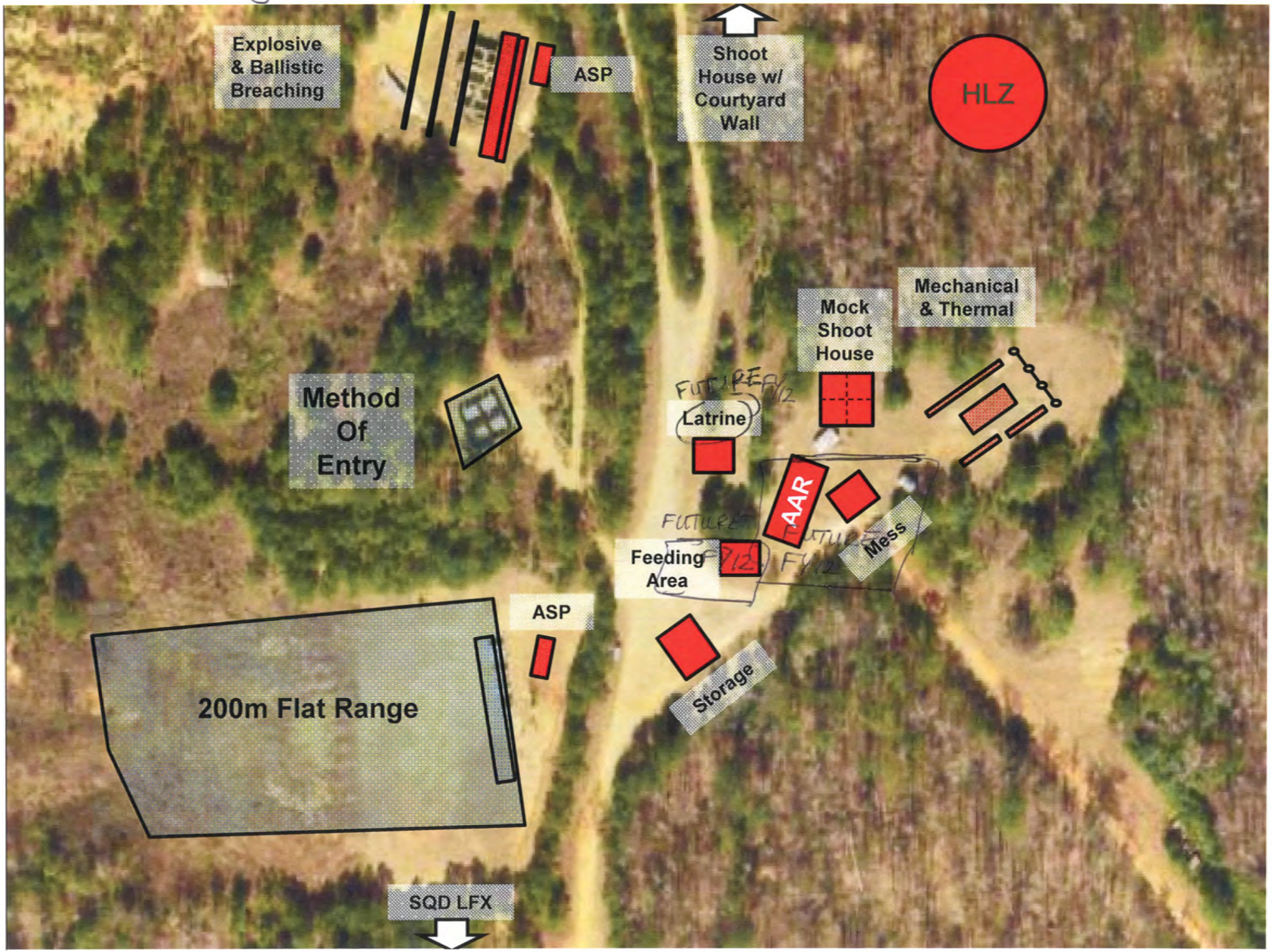
Weapons/Ammunition Malfunction Reports: When a malfunction is experienced, the OIC/RSO will suspend all firing and immediately notify Range Control. The weapons and all components and ammunition involved will remain in place. The cease fire will remain in effect until cleared through Range Control. An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


Brann Range
Shoot House
Tank Trail
Breach Site
Mechanical
Breaching
EET Building
Zero/AMT


Zero / AMT
Brann Range
MTC / RTC

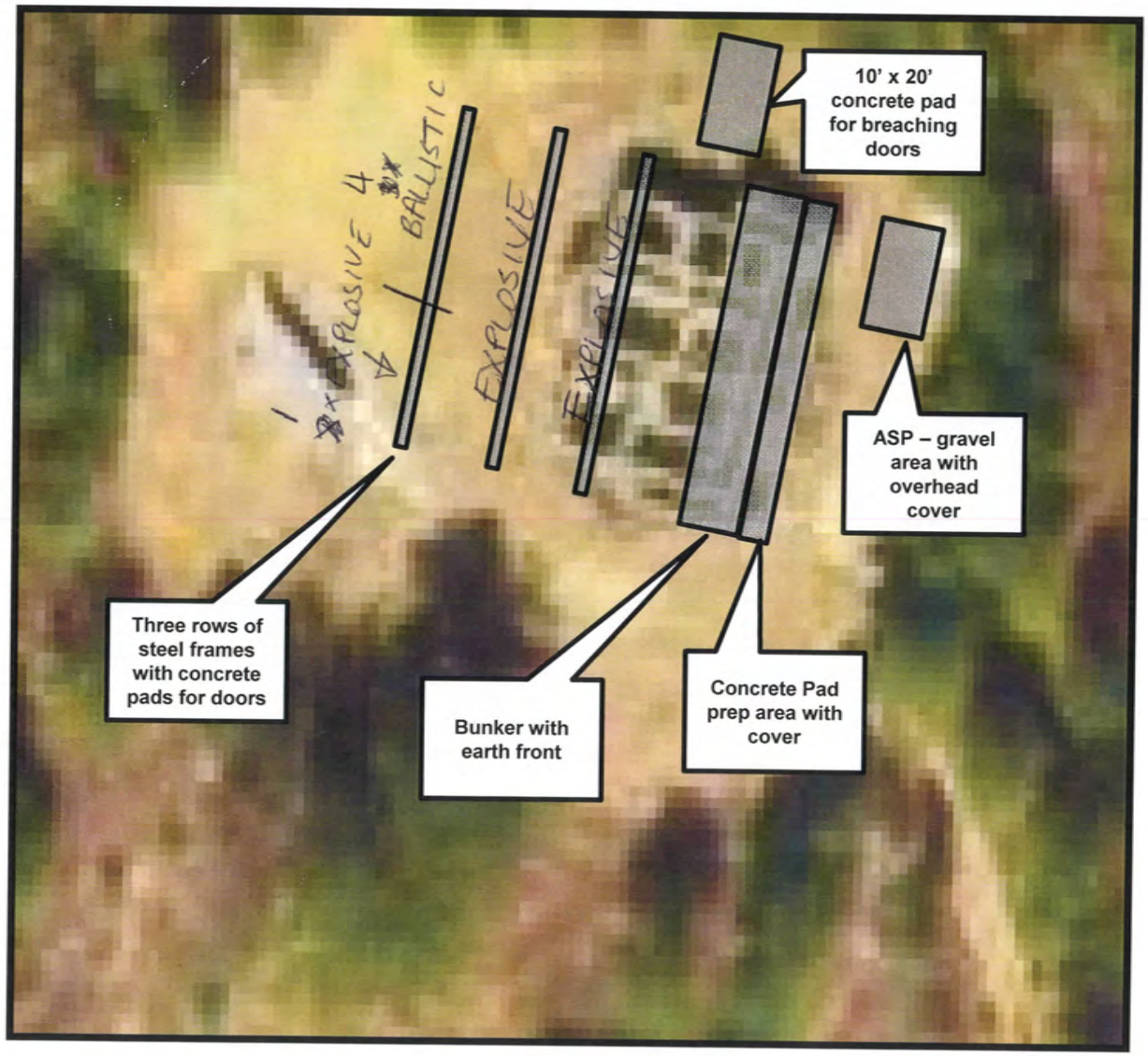

3/75 Squad React to Contact
And Knock Out Bunker
New Iteration Begins
when Squad Reaches
this Point
CP
LOA
3
2
1
Start Point

LT Joe Ferguson (11th ENG BN Project Manager): (334) 718-5280

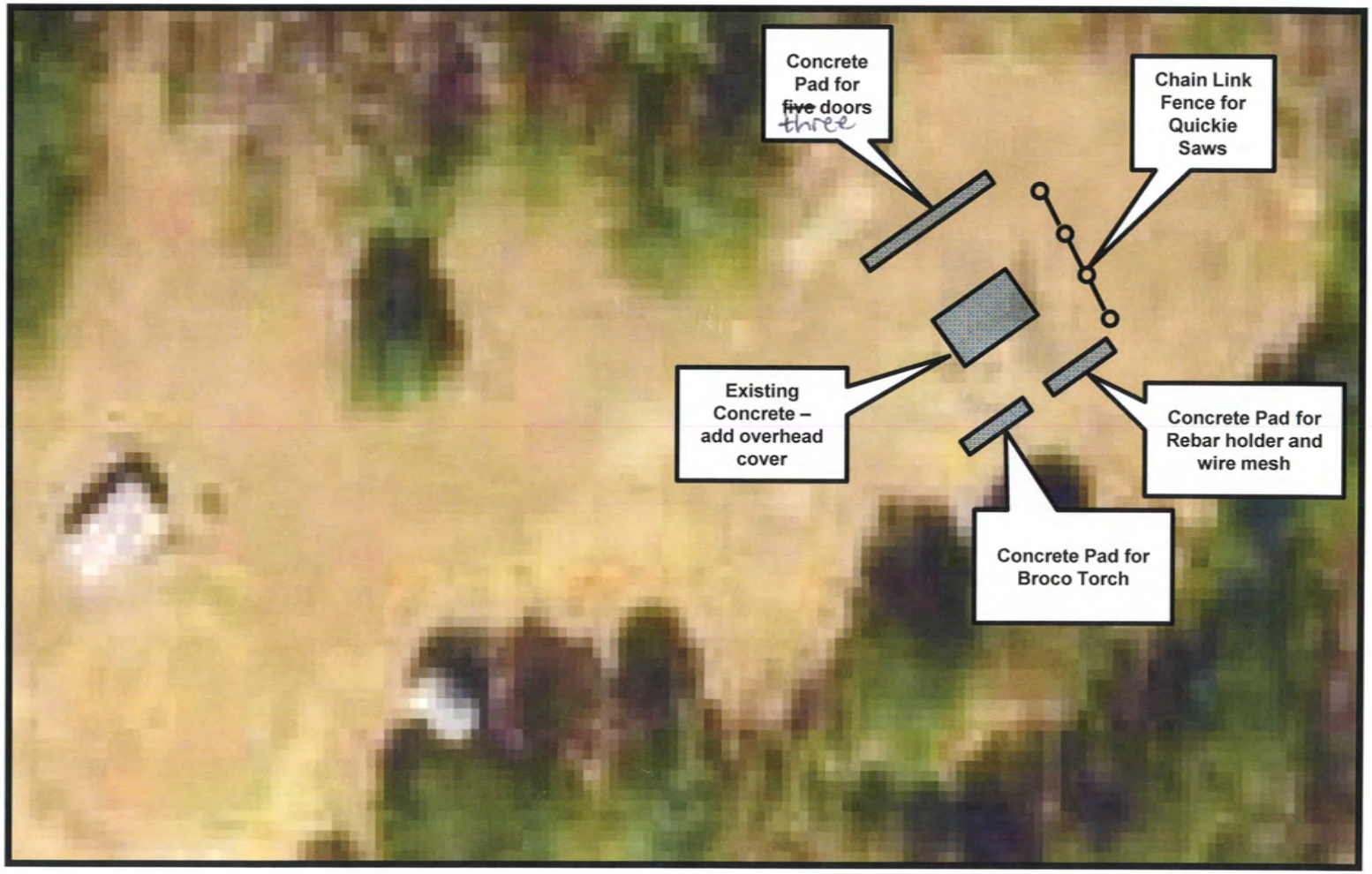


Glenn Todd (75th REP. for DPW): (770) 331-2028

Explosive and Ballistic Breaching Area

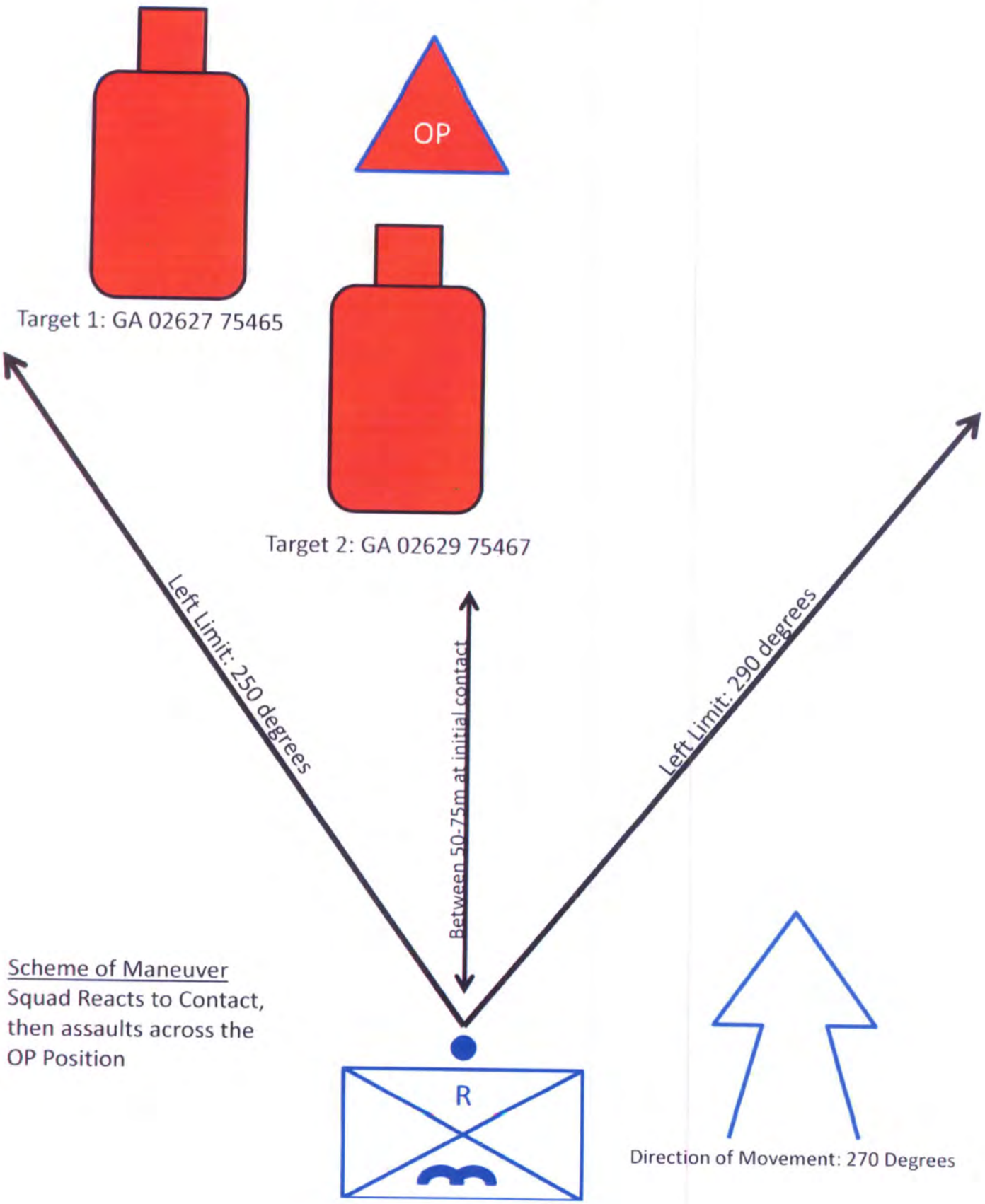


Mechanical and Thermal Breaching Area



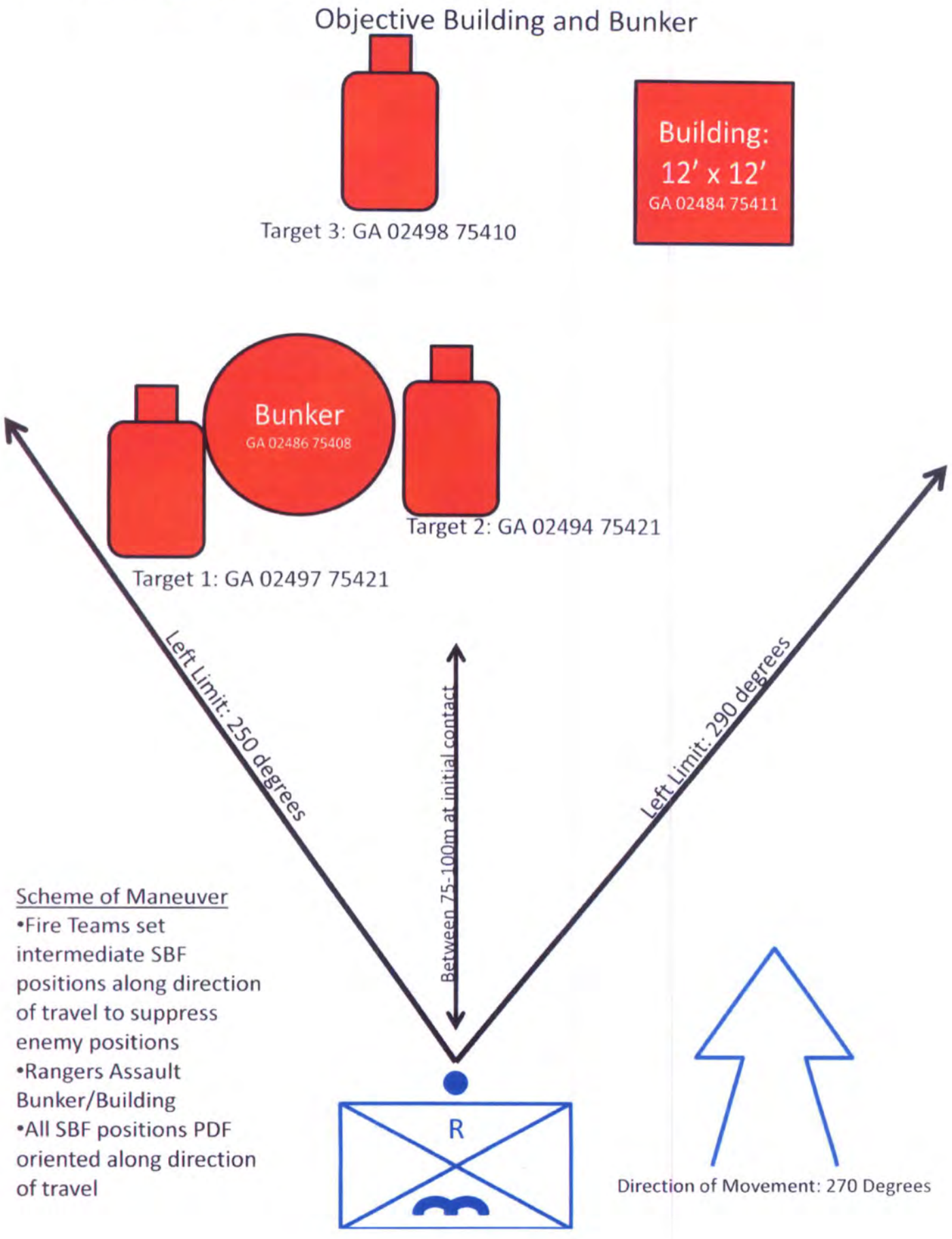
Annex: C (First Engagement)

Two-Man OP Position



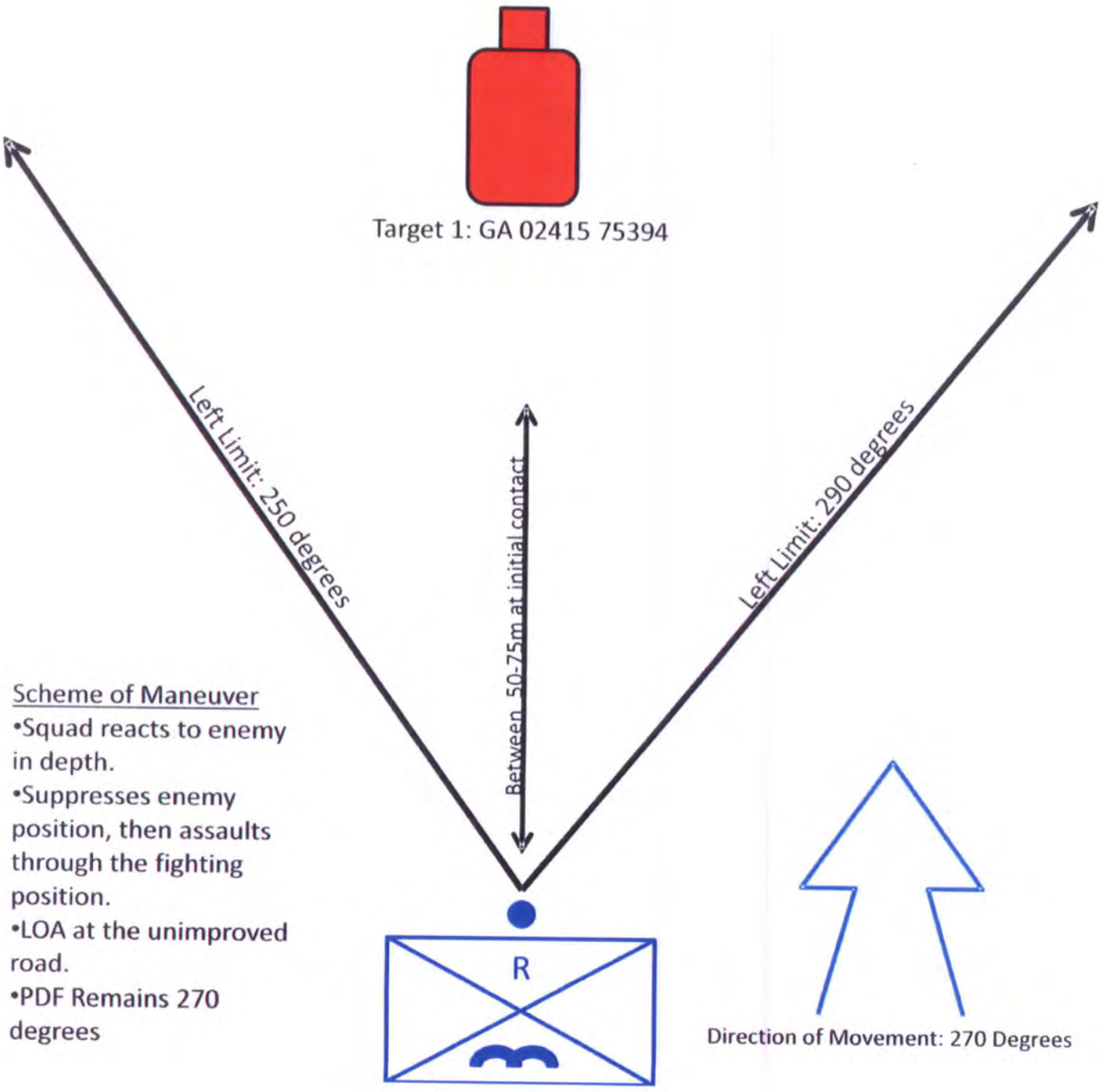
Scheme of Maneuver
Squad Reacts to Contact, then assaults across the OP Position

Annex: D (Second Engagement)



Annex: E (Third Engagement)

Enemy in Depth

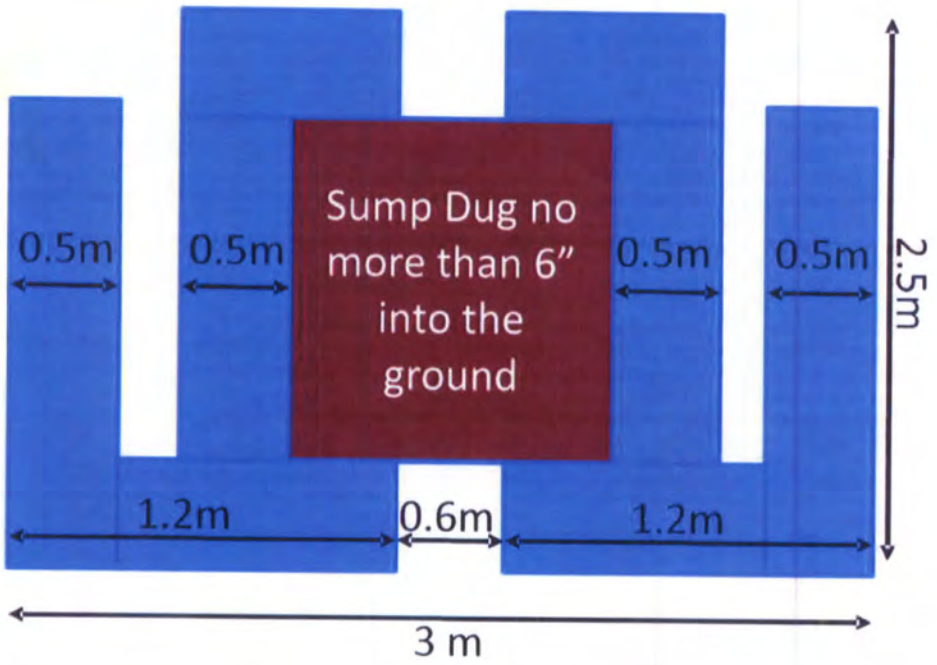


Scheme of Maneuver

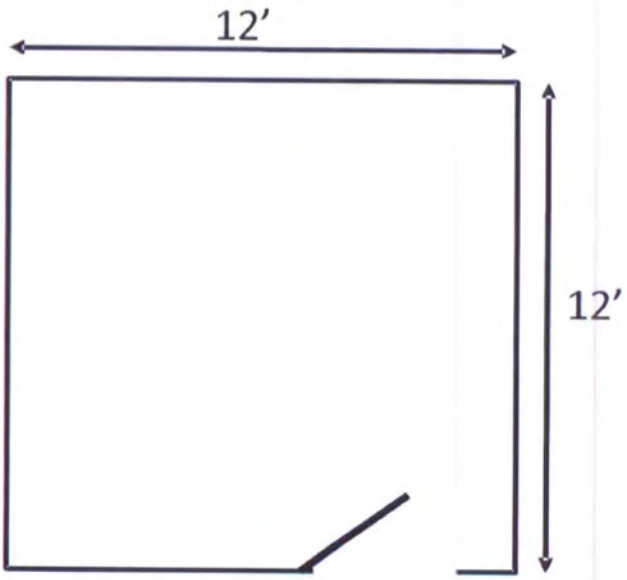
- Squad reacts to enemy in depth.
- Suppresses enemy position, then assaults through the fighting position.
- LOA at the unimproved road.
- PDF Remains 270 degrees

Annex: F (Bunker Construction)

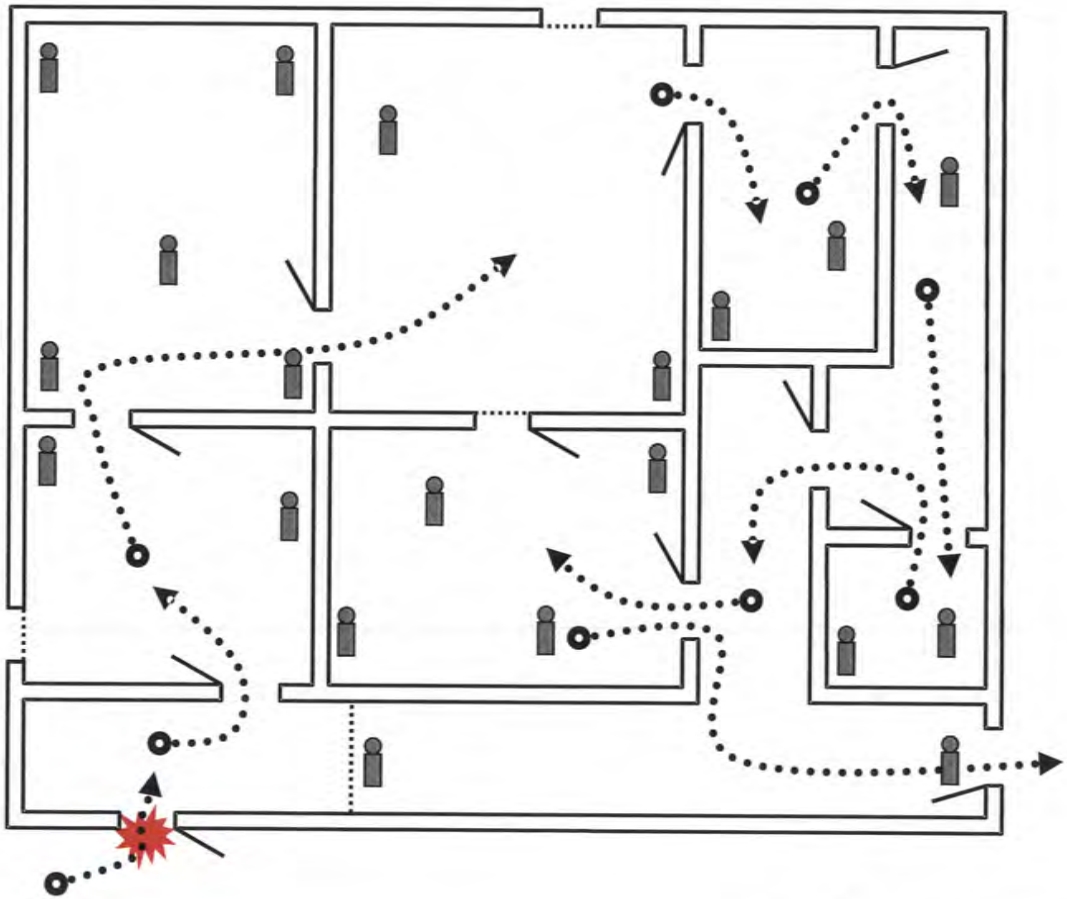
Bunker



Building



75TH RGR RGT
BRANN SHOOT HOUSE GENERAL CONCEPT
04 MAY 2011



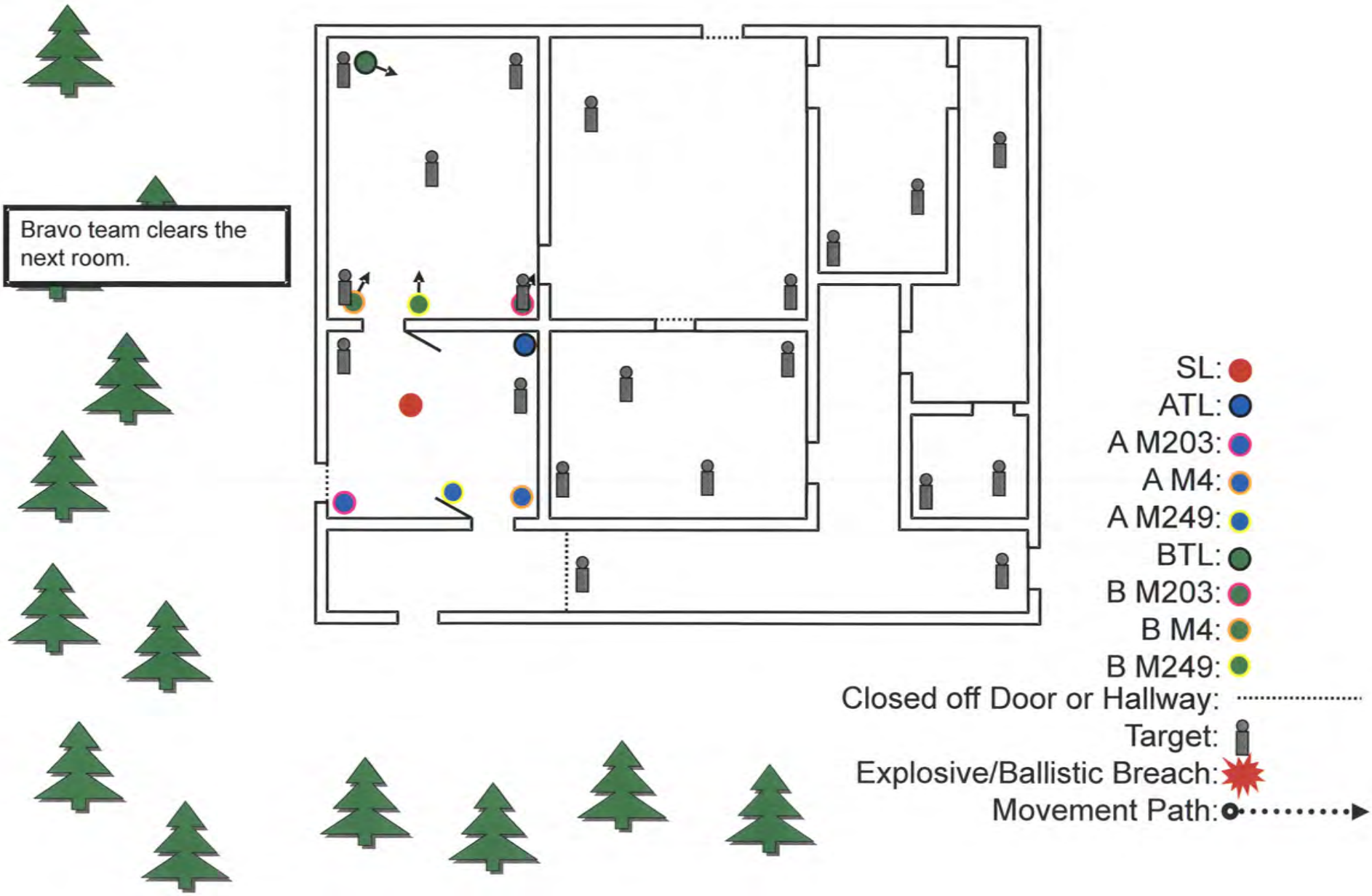
Closed off Door or Hallway: .....

Target:

Explosive/Ballistic Breach:

Movement Path: o·····▶

75TH RGR RGT
BRANN SHOOT HOUSE GENERAL CONCEPT
04 MAY 2011



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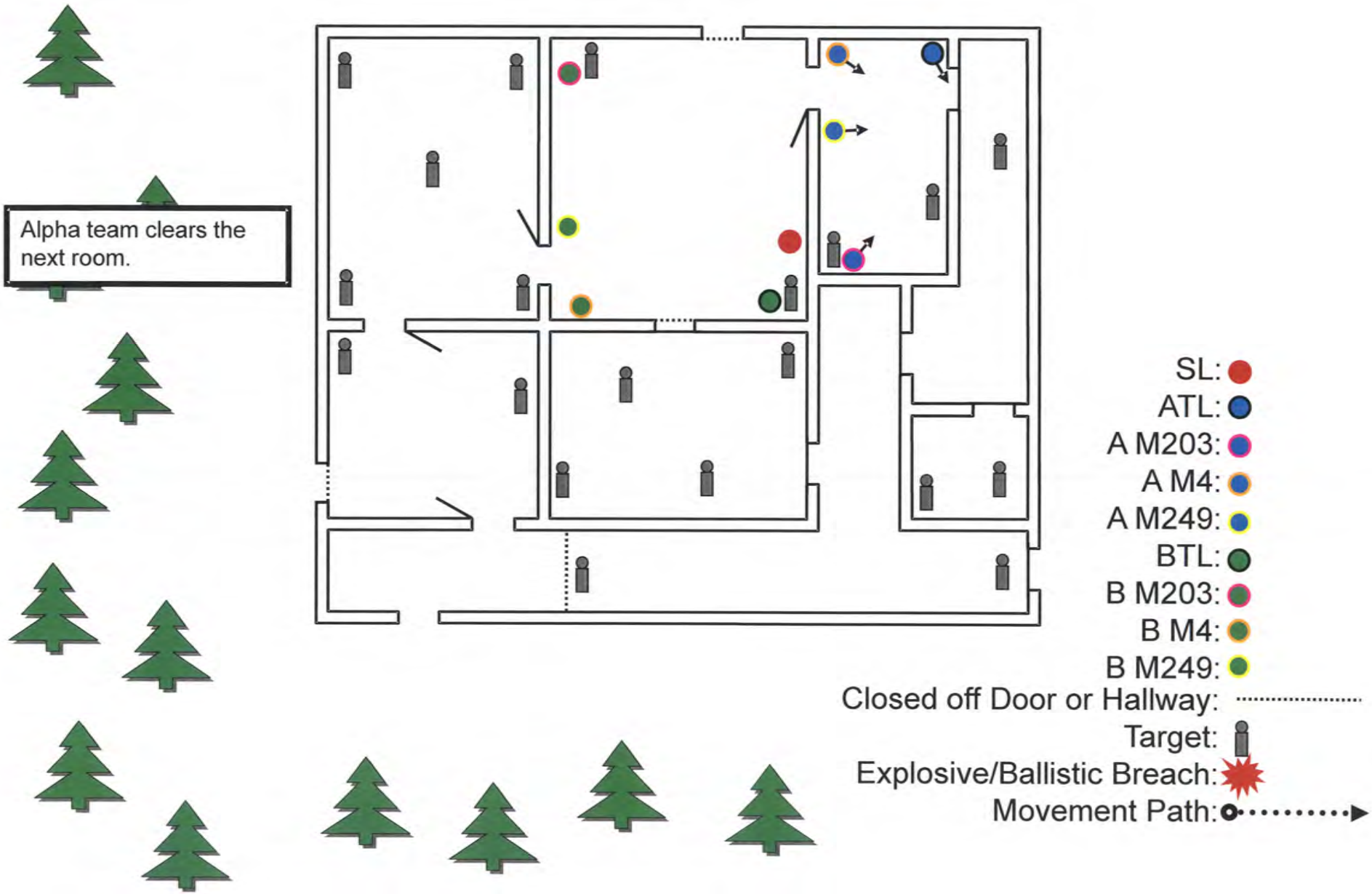
BRANN SHOOT HOUSE GENERAL CONCEPT
04 MAY 2011



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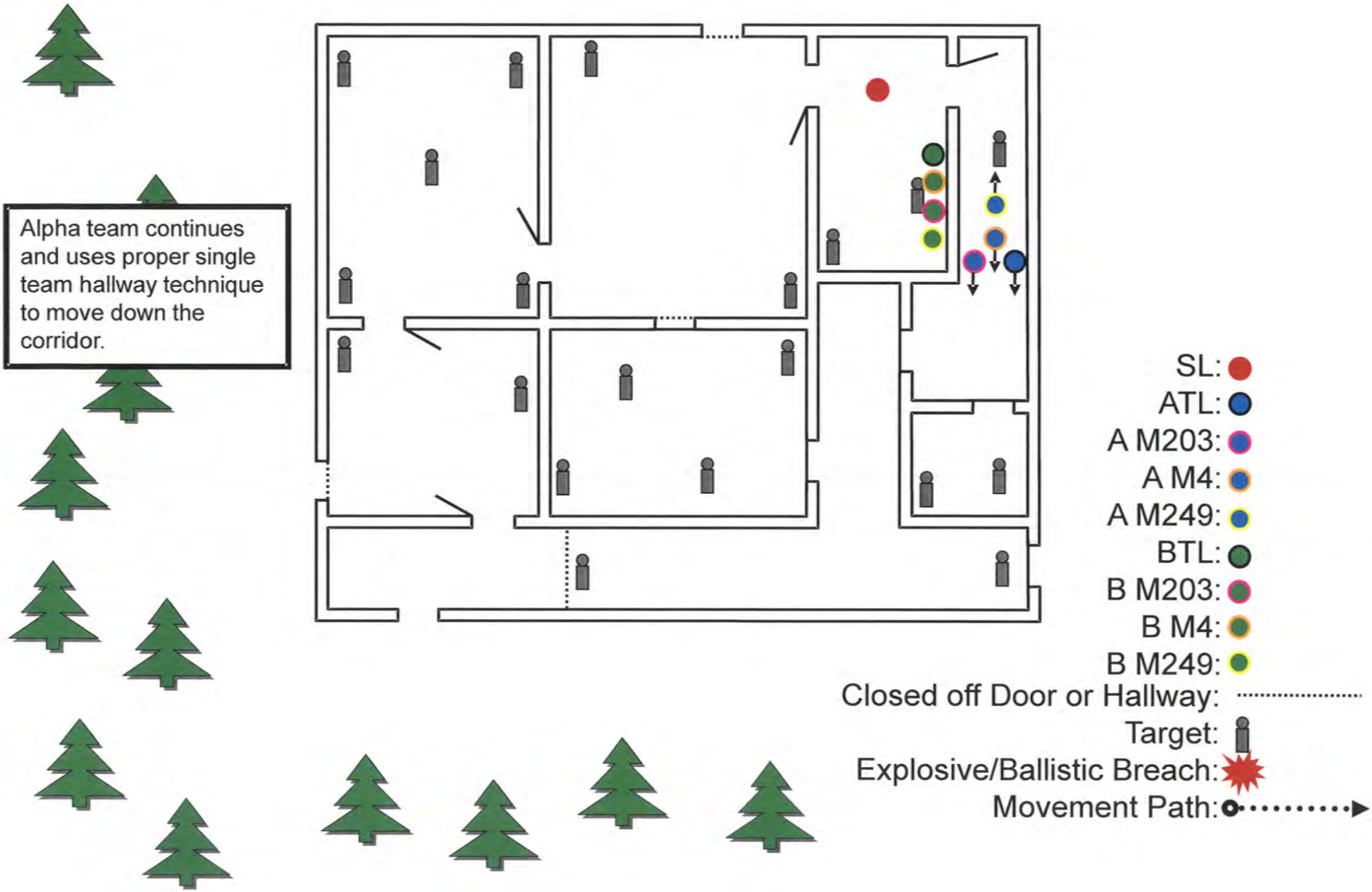
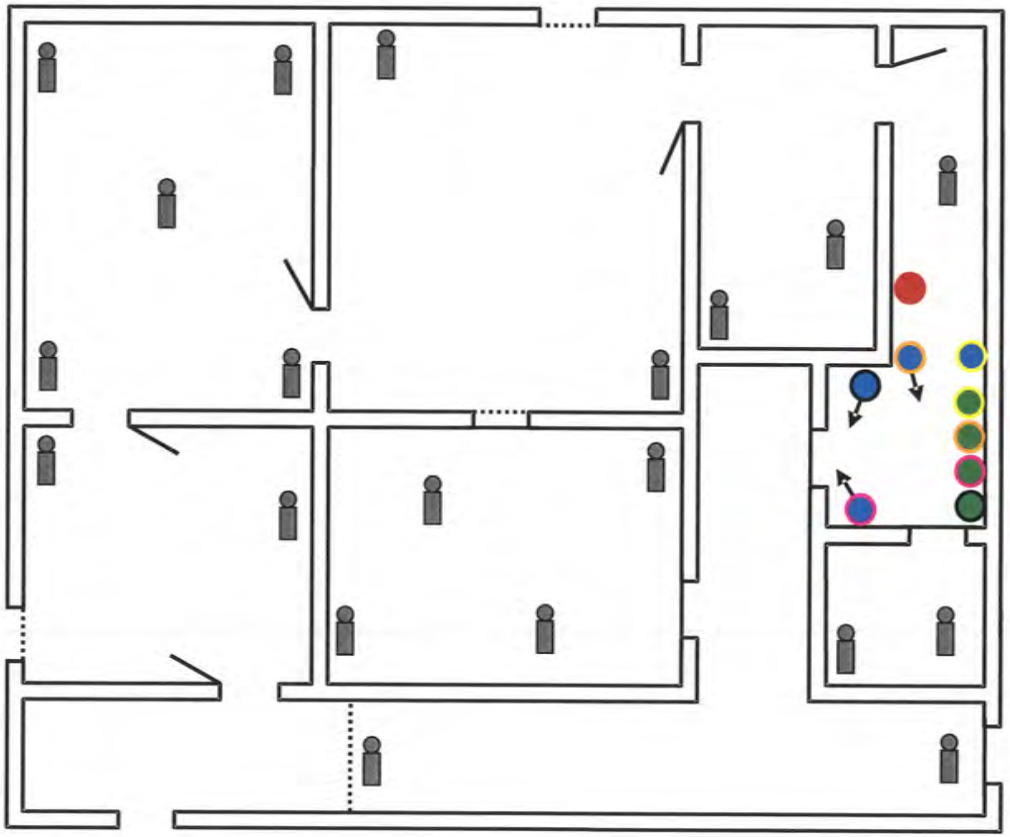
BRANN SHOOT HOUSE GENERAL CONCEPT
04 MAY 2011



75TH RGR RGT
BRANN SHOOT HOUSE GENERAL CONCEPT
04 MAY 2011

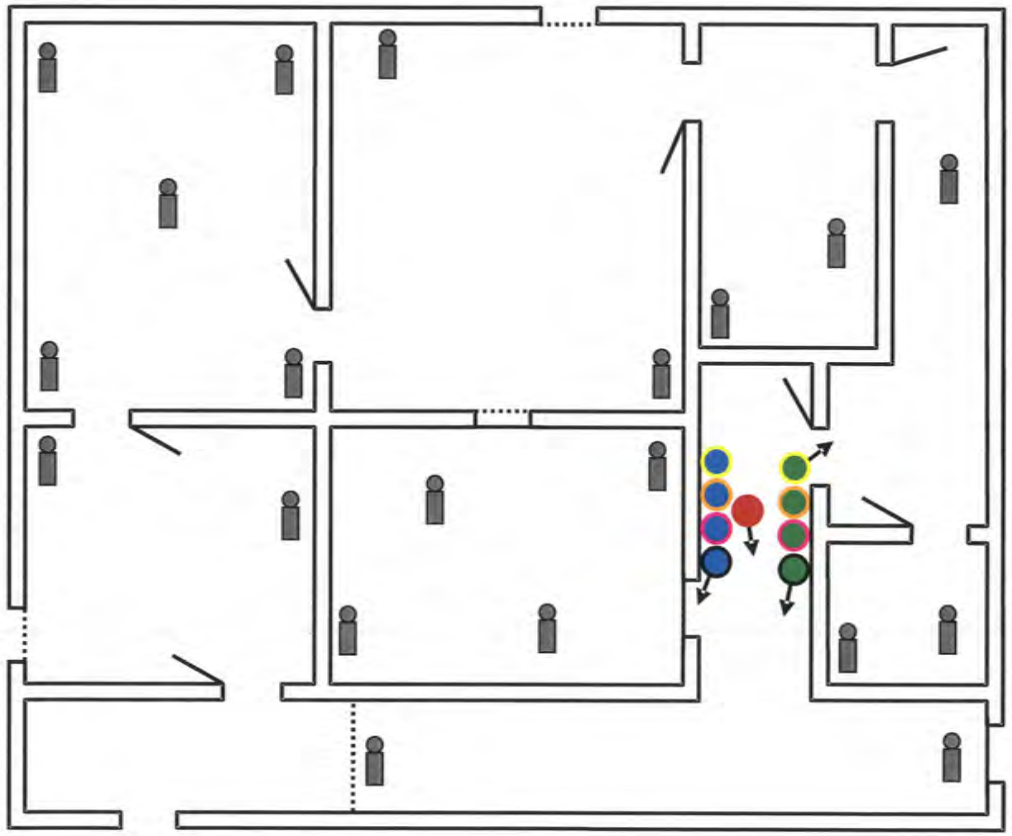
Alpha team secures the room at the end of the corridor and bravo team comes up to continue clearing.



SL:
ATL:
A M203:
A M4:
A M249:
BTL:
B M203:
B M4:
B M249:
Closed off Door or Hallway:
Target:
Explosive/Ballistic Breach:
Movement Path:

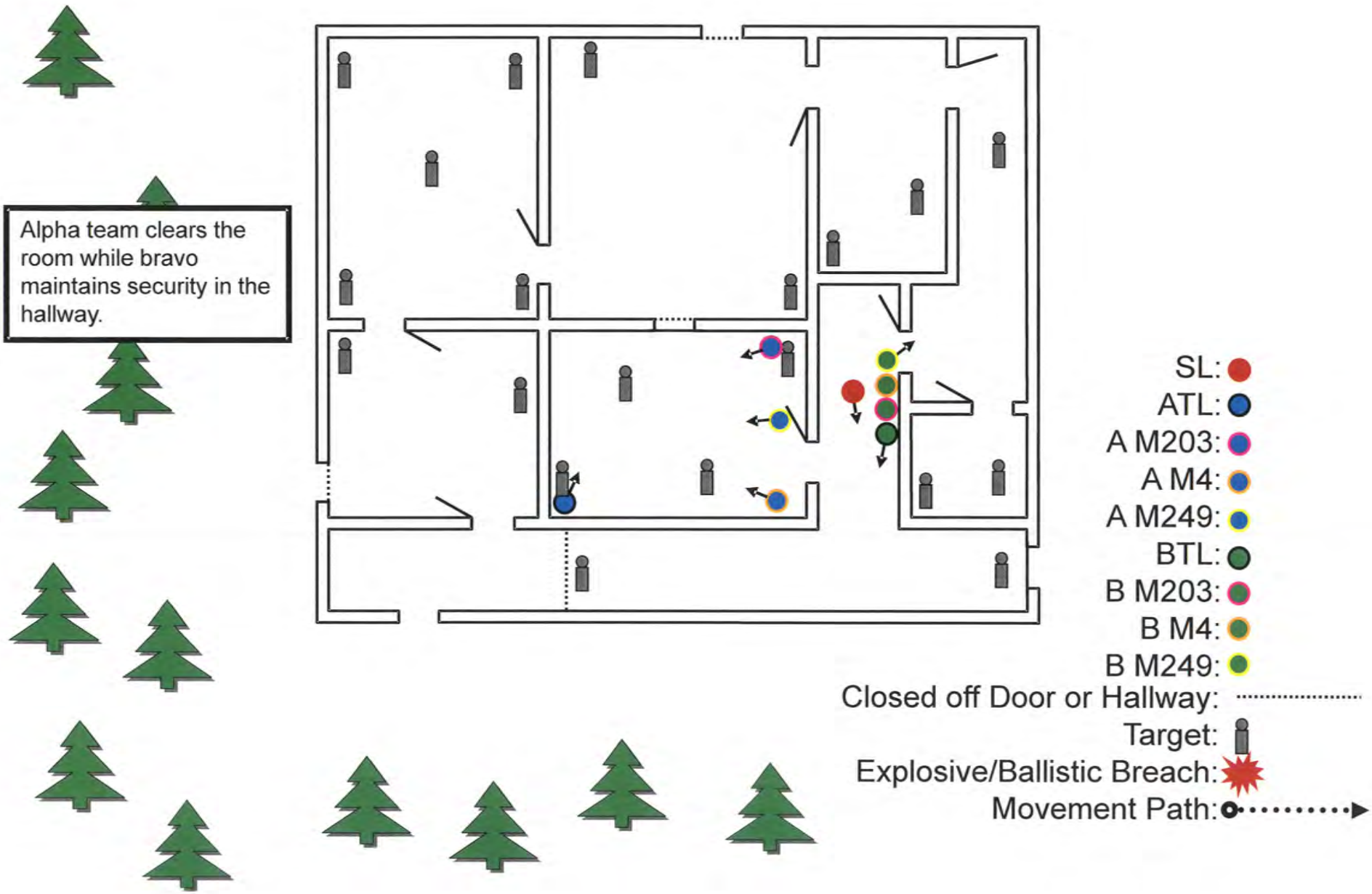
75TH RGR RGT
BRANN SHOOT HOUSE GENERAL CONCEPT
04 MAY 2011

Alpha team determines that the next room is a hallway and has a closed door on the right. Bravo team is brought out as well to provide security while alpha team clears the room.



SL:
ATL:
A M203:
A M4:
A M249:
BTL:
B M203:
B M4:
B M249:
Closed off Door or Hallway:
Target:
Explosive/Ballistic Breach:
Movement Path:

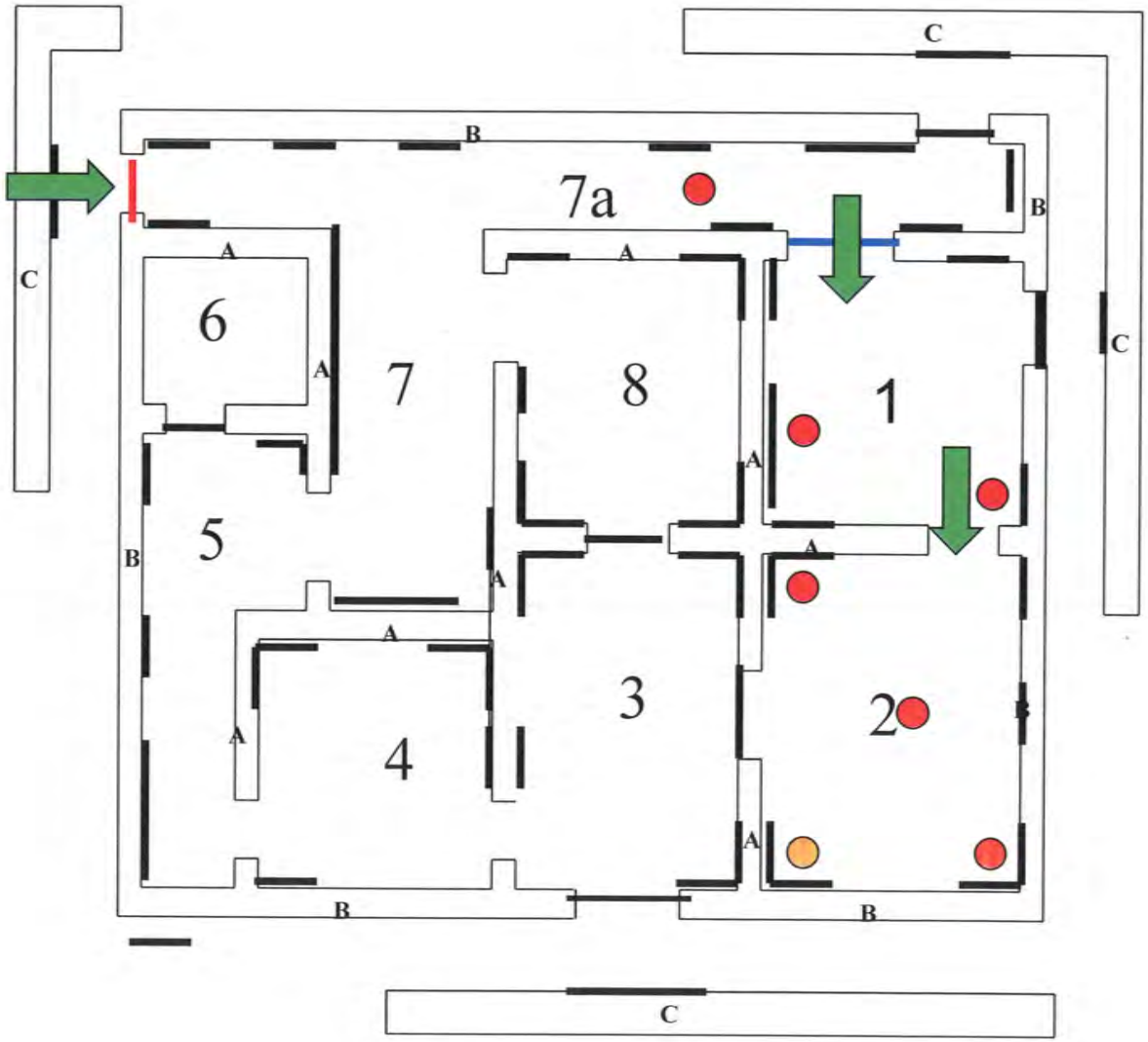
75TH RGR RGT
BRANN SHOOT HOUSE GENERAL CONCEPT
04 MAY 2011



BRANN SHOOTHOUSE

Scenario 3

- Fire team executes explosive breach on exterior door of room 7a
- Fire team clears room 7a
- Fire team executes mechanical breach on room 1
- Fire team clears room 1
- Fire team clears room 2
- End scenario



● = TGTs

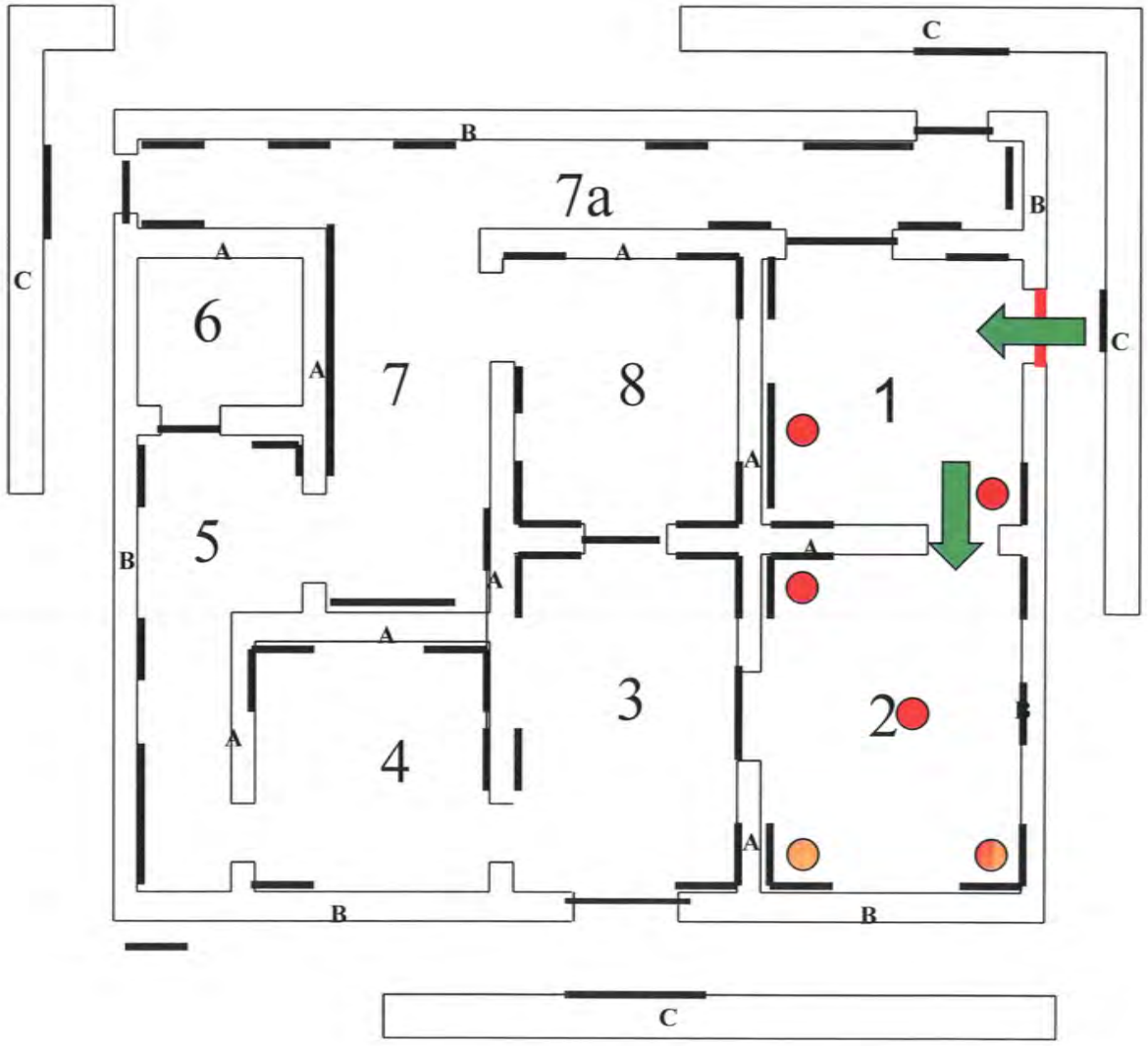
Mechanical Breach

Explosive/Ballistic Breach

BRANN SHOOTHOUSE

Scenario 2

- Fire team executes explosive breach on exterior door of room 1
- Fire team clears room 1
- Fire team clears room 2
- End scenario



● = TGTs

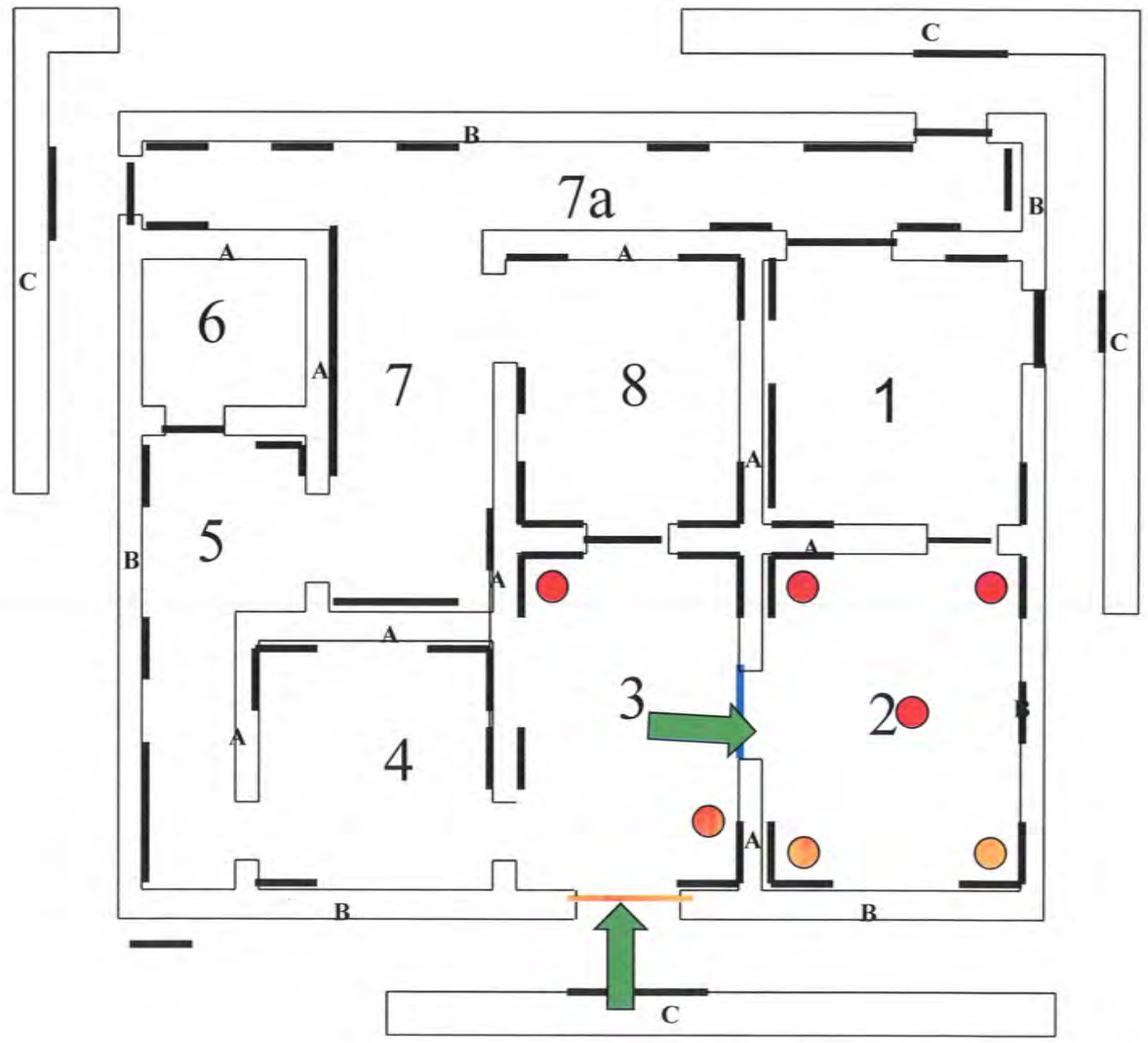
Mechanical Breach

Explosive/Ballistic Breach

BRANN SHOOTHOUSE

Scenario 1

- Fire team executes explosive breach on exterior door of room 3
- Fire team clears room 3
- Fire team executes a mechanical breach on room 2
- Fire team clears room 2
- End scenario



● = TGTs

Mechanical Breach

Explosive/Ballistic Breach

Brann Range Complex 3/75 Log #8-11-12 Roadblock List, 29 Aug 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
A-28	GA 012 774	20 meters off Yankee road on south side of Galloway range.	Gate
A-28A	GA 011 776	30 meters south of Range Tower	Gate
A-30	GA 026 758	Across fire break leading to Garnsey Range. 140m SW of Brann Flat Range.	Gate
A-30A	GA 027 758	Across trail leading to Garnsey Range 50m E. of A-30 Roadblock	Gate
A-31	GA 020 745	Across fire break leading to Brann	Cable
A-32	FA 989 724	Across entrance road to Kunzig Range.	Gate
A-33	FA 974 734	Across entrance to Griswold Range.	Gate
A-33A	FA 979 739	150 meters west of Target Systems bldg on trail leading to move to contact site	Gate
A-33B	FA 982 739	20m N of Target Sys bldg on trail running on west side of bldg.	Install Gate
A-34	FA 947 760	Across entrance to Minter Hill 700m E. of Oswichee Creek.	Gate
A-38	FA 952 816	Across fire break 300m down range of firing line on Red Cloud Range on L. side of range.	Cable
A-39	FA 956 822	Across unnamed trail 100m S. of bldgs on Buckner Range on L. side of range	Cable
A-40	FA 967 823	Across fire break 50m down range on the left side of Pierce Range.	Gate
A-41	FA 972 820	Across fire break located on the right side of the firing line on Patton Range.	Cable
A-42	FA 978 820	Across fire break located on the left side of the firing line on Patton Range.	Cable
A-43	FA 983 823	Across fire break located on the right side of	Cable
A-44	FA 986 823	Across fire break 100m E. of the 25m flat	Gate
A-45	FA 990 827	Across fire break located on the right side of the firing line on Duke Range.	Gate
A-45A	FA 991 829	Across Booker Breach site entrance road 200m past Duke Rng entrance gate	Gate
A-46	FA 984 832	Across unnamed trail 100m W. of the intersection of 1st Div Rd and Ivy Rd.	Gate
A-47	FA 990 833	Across unnamed trail 500m W. of the intersection with 1st Div & Buckeye Rd's	Gate
A-48	FA 995 827	Across fire break located on the right side of the firing line on Porter Range.	Cable
A-49	FA 998 827	Across fire break located on the left side of the firing line on Porter Range.	Cable
A-50	GA 000 830	Across unnamed trail 200m W. of entrance to Maertens Range.	Gate
A-51	GA 031 791	Barrier on Furman Rd	Barrier 1
A-52	GA 034 776	Barrier on Yankee Rd	Barrier 2
A-53	GA 035 776	Gate to Cole Range	Barrier 3
A-54	GA 046 749	Barrier off Lightning Rd on unnamed trail	Barrier 5
A-55	GA 057 759	Barrier off Lightning Rd on unnamed trail	Barrier 4

COMPOSITE RISK MANAGEMENT WORKSHEET

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

1. MSN/TASK	2a. DTG BEGIN	2b. DTG END	3. DATE PREPARED (YYYYMMDD)
Brann MPRC (Ballistic/Explosive Breach, MTC, Shoothouse)	03 SEP 12	02 SEP 13	20120817

4. PREPARED BY		
a. LAST NAME	b. RANK	c. POSITION
Rothlisberger	CPT	Training Officer

5. SUBTASK	6. HAZARDS	7. INITIAL RISK LEVEL	8. CONTROLS	9. RESIDUAL RISK LEVEL	10. HOW TO IMPLEMENT	11. HOW TO SUPERVISE (WHO)	12. WAS CONTROL EFFEC-TIVE?
All	Range/general situational awareness	H	The range OIC and RSO will read and review the RMWS, and ensure a dedicated EVAC vehicle with comms is present	M	OICs and RSOs adhere to RMWS, range control SOP, and packet limitations.	OIC/RSO and CO/PLT Leadership	
	Heat Injury to Rangers	M	Daily water intake will not exceed 12 quarts. Leaders will monitor Rangers for heat symptoms. Evacuation will be conducted IAW Bn and TRADOC policies.	L	OICs, RSOs, and leadership monitor Rangers. Water will be readily available and trng will allow for recovery.	OIC/RSO and CO/PLT Leadership	
	Vision and hearing Loss	M	Ballistic eye-pro and ear pro will be worn by all Rangers.	L	Leadership will ensure uniform standards are enforced.	CO/PLT Leadership	
	Ranger struck by lightning	M	Range Control will be monitored at all times for severe weather warnings. Rangers will evacuate areas with antennas, more to grounded buildings or open areas.	L	OIC/RSO monitor Range Control NET, and check fire as necessary due to inclement Wx.	OIC/RSO and CO/PLT Leadership	
	Snake or insect bites	M	Rangers will be informed of wildlife hazards. Rangers will not harass wildlife during training.	L	OICs and RSOs adhere to RMWS, and range control SOPs.	OIC/RSO and CO/PLT Leadership	
Construction and emplacement of door breaching charges	Fratricide/ Accidental initiation	H	SOPs outlined in RTC 350-19 will be followed. Charge construction and MSD math will be checked by a current, qualified Master Breacher. Charges will be dual primed.	M	OIC/RSO, and Master Breacher adhere to RTC 350-19 and maintain MSDs.	Master Breached, OIC/RSO and CO/PLT Leadership	

Additional space for entries in Items 5 through 11 is provided on Page 2.

13. OVERALL RISK LEVEL AFTER CONTROLS ARE IMPLEMENTED *(Check one)*

☐ LOW ☒ MODERATE ☐ HIGH ☐ EXTREMELY HIGH

14. RISK DECISION AUTHORITY

a. LAST NAME	b. RANK	c. DUTY POSITION	d. SIGNATURE
Odom	COL	Regimental Commander	COL, IN DCO

ITEMS 5 THROUGH 12 CONTINUED:

5. SUBTASK	6. HAZARDS	7. INITIAL RISK LEVEL	8. CONTROLS	9. RESIDUAL RISK LEVEL	10. HOW TO IMPLEMENT	11. HOW TO SUPERVISE (WHO)	12. WAS CONTROL EFFEC-TIVE?
			All firing devices will be inspected for serviceability prior to application.		Master Breacher, OIC/RSO and CO/PLT Leadership	Master Breached, OIC/RSO and CO/PLT Leadership	
	Physical injury due to fragmentation	H	Rangers will wear PPE: gloves, body armor, ACH, and eye/ear protection during training. Rangers will be behind a shield or 15m from the charge during breaches IAW the NEW.	M	Master Breacher, OIC/RSO and CO/PLT Leadership	Master Breached, OIC/RSO and CO/PLT Leadership	
	Low order event, UXO situation	H	Only qualified Master Breacher personnel will investigate the charge. Procedures in RTC 350-19 will be adhered to, EOD will be called if necessary IAW FBGA RC SOP.	M	Master Breacher, OIC/RSO and CO/PLT Leadership will adhere to RTC 350-19.	Master Breached, OIC/RSO and CO/PLT Leadership	
Ballistic Breaching	Injury to a Ranger during Ballistic Breach	H	All Rangers will conduct dry fire validation by a by a Master Breacher. Live ammunition will be loaded and unloaded in a safe direction (berm).	M	Master Breacher, OIC/RSO and CO/PLT Leadership will adhere to RTC 350-19.	Master Breached, OIC/RSO and CO/PLT Leadership	
Mechanical Breaching	Burn during employment of Exothermic cutting torch	H	All Rangers will wear PPE IAW memorandum of instruction. Master Breacher will closely monitor torch use, Rangers will be familiarized with proper technique before cutting.	M	Master Breacher, OIC/RSO and CO/PLT Leadership will adhere to RTC 350-19.	Master Breached, OIC/RSO and CO/PLT Leadership	
	Laceration during employment of quick cut saw	H	All Rangers will wear PPE IAW memorandum of instruction. Master Breacher will closely monitor saw use. Rangers will rehearse prior to use of quick cut saw.	M	Master Breacher, OIC/RSO and CO/PLT Leadership will adhere to RTC 350-19.	Master Breached, OIC/RSO and CO/PLT Leadership	
	Injury due to improper employment of mechanical breaching tools	M	All Rangers will wear PPE IAW memorandum of instruction. Master Breacher will closely monitor tool use. Rangers will rehearse prior to mechanical breaching.	L	Master Breacher, OIC/RSO and CO/PLT Leadership will adhere to RTC 350-19.	Master Breached, OIC/RSO and CO/PLT Leadership	
Maneuever	Fratricide due to fire and movement	H	All Rangers must certify during blank fire under conditions identical to the live fire. Rangers will certify in TM/SQD positions before executing the LFX.	M	PCCs/ PCIs, Blank fire certification prior to LFX	OIC, RSO, O/Cs (COs, 1SGs)	
			A backbrief will be conducted prior to the LFX. The Battalion Commander will validate all LFX scenarios. See RCO Policy Letter #7 for further guidance.		Range walk conducted with Bn CDR and CSM prior to conduct of LFX.	OIC RSO, O/C PL/PSG/SL/TL	
			All ammunition for the BFX and LFX will be segregated at the AHA/ATP. Leaders will check all weapons for proper ammunition prior to iteration.		PCCs/ PCIs, Weapons and magazinescleared after each iteration		

ITEMS 5 THROUGH 12 CONTINUED:

5. SUBTASK	6. HAZARDS	7. INITIAL RISK LEVEL	8. CONTROLS	9. RESIDUAL RISK LEVEL	10. HOW TO IMPLEMENT	11. HOW TO SUPERVISE (WHO)	12. WAS CONTROL EFFEC-TIVE?
			Rangers only use the weapon(s) they are qualified on and will fire CQM tables before conducting LFX iterations IAW RCO Policy Letter #7.		Training progression, CO mET weeks prior to LFX. Companies maintain accountability of WPN Quals	CO/1SG, PL/PSG, safety brief	
			Rangers will not use magazines they did not bring to LFX, e.g. magazines found on the ground.		Safety Brief	OIC RSO, O/C PL/PSG/SL/TL	
			A 15-degreee minimum safe distance is enforced for rifles and machine guns IAW DA PAM 385-63 and applicable waivers.		OBJs will be built to reinforce proper SDZs.	OIC RSO, O/C PL/PSG/SL/TL	
			A detailed safety brief will be given to all Rangers with emphasis on weapon and target awareness. Rangers will only engage TGTs they can see.		Range boundaries and targets briefed during dry fire, and Safety brief stressed before both blank and live fires.	OIC	
			The front line trace of maneuvering elements will be identified by support elements.		OIC, RSO, O/C attached to both assault and support elements	OIC/RSO, O/Cs	
			OIC/RSO or O/C will move with each element conducting LFX. The range qualified OIC and RSO operate the Range IAW FBGA Range Safety Regulations.		OIC, RSO, O/C attached to both assault and support elements	OIC/RSO, O/Cs	
			A Medic will be on site with a CASEVAC vehicle at all times during LFX.		All Rangers know where the CCP and CASEVAC locations are located, Safety Brief	OIC/RSO, Medic	
			Rangers wear MICH/OPS Core Helmet, Plate Carrier w/ front, back, and side plates, and eye protection.		PCCs/ PCIs, leaders verify front and back plates are present	OIC RSO, O/C PL/PSG/SL/TL	
			All personnel will be accounted for after each iteration, prior to leaving the LFX objective. No personnel will remain on the OBJ between iterations.		PSG will give both OIC and RSO confirmation that all personnel are accounted for.	OIC RSO, O/C PL/PSG/SL/TL	
	NEGLIGENT DISCHARGE	H	Weapons awareness will be emphasized during the range safety brief. Weapons will be placed on safe when not engaging targets.	M	Individual Ranger discipline, OIC will monitor	OIC RSO, O/C PL/PSG/SL/TL	

ITEMS 5 THROUGH 12 CONTINUED:

5. SUBTASK	6. HAZARDS	7. INITIAL RISK LEVEL	8. CONTROLS	9. RESIDUAL RISK LEVEL	10. HOW TO IMPLEMENT	11. HOW TO SUPERVISE (WHO)	12. WAS CONTROL EFFEC-TIVE?
			Rangers will only use weapons they are qualified on IAW the RCO's Policy Letter #7. Rangers lock and load when told to do so by the OIC/RSO.		Rangers will buddy check weapons are cleared. TLs will inspect. Companies will account for WPNs Quals.	Co/1SG	
			All weapons will be locked, cleared, and inspected upon completion of the LFX/BFX lane.		Rangers will buddy check weapons are cleared. TLs will inspect	OIC RSO, O/C PL/PSG/SL/TL	
	Mixing of ball and blank ammunition	M	All ammo will be checked after each iteration to ensure no mixing of blank and live rounds.	L	PCCs/ PCIs, Blank fire certification prior to LFX, Weapons cleared after each iteration	OIC RSO, O/C PL/PSG/SL/TL	
	Injury due to movement through fields of fire	H	Rangers will only fire from approved firing points and all firing points will be briefed to platoon leadership during shoothouse/terrain walk.	M	Leaders conduct TEWT	OIC RSO, O/C PL/PSG/SL/TL	
			When not engaging targets; weapons will be pointed in safe direction, trigger finger will be outside the trigger well, and selector will be on safe.		Brief the five rules of weapon safety during the safety brief	OIC RSO, O/C PL/PSG/SL/TL	
			Rangers will be briefed on the location of hot walls in buildings. Rangers will not stack outside of designated hot walls.		Dry/Blank/Live fires, Ranger backbriefs	OIC	
			Blank fire iterations will be conducted before live fire iterations. Leaders ensure all Rangers are qualified on the weapons systems they are using throughout the entire exercise.		Blank fire both day and night before live fire iterations	OIC RSO, O/C PL/PSG/SL/TL	

RECORD OF ENVIRONMENTAL CONSIDERATION (REC)

EMD Number: 1125203 **Project#:** Unknown **Project Title:** Close quarters marksmanship, weapons zero, familiarization, and stress shoot

Description of proposed action:

Training will consist of zeroing, familiarization firing, close quarters marksmanship, and stress shoot events. Participants will fire from ranges of 10 meters up to 100 meters from the target. Participants will shoot and move during close quarters training from 50 meters up to 10 meters and from 100 meters up to 10 meters during the stress shoot. Various firing positions will be utilized to include barriers, walls, and windows on the course. All training will be heavily supervised.

Project Location:		Amount, Description, Location of Disturbance/Digging:	
Brann Range		N/A	
Number/Types of Vehicles:	**Number of Personnel:**	**Type of Ammunition:**	**Number/Types of Trees:**
None	None	9mm,5.56, 7.62, 300 WIN MAG Live	N/A

Size of Project Area: **Duration of Action:** Start: 10/1/2011 Stop: 9/30/2012

Proponent: Eric Currier 706-626-2628 **Organization/Unit:** 75th Ranger Regiment

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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, 2012

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.

EMD Number: 1125203 **IJO#** **Project Title:** Close quarters marksmanship, weapons zero, familiarization, and stress shoot

CWA - Training **Conditions:** **Jesse Taylor (706-604-4572), 9/13/2011**

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 (Figure 6.9.1) 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.

SPECIAL NOTE: See 2010 ASP SOP Training and Deployment.doc for further training requirements.

Natural Resources - RCW **None** **Michael Barron (706 544 7080), 9/12/2011**

Noise **Conditions:** **Ellis Leeder (706 545 7576), 9/12/2011**

This is normal training operations that must be conducted. If there is any noise complaints received, the Environmental Management Division Installation Operational Noise Monitoring Program (IONMP) and or Public Affairs Office (PAO) programs will investigate by determining if the noise was detected by noise detection monitors, and then recommending operational noise mitigation actions to the appropriate personnel for the training actions. In accordance with the Army's policy on environmental noise management, all efforts shall be made to minimize noise annoyances to the highest extent practicable with training operations without interfering with the proposed missions. Please follow the fly friendly program avoiding no fly zones. Please follow good smoke management practices not allowing smoke to travel off Installation boundary into public areas or roads. CS gas use should be utilized in designated areas only, contact Range Control for a listing of approved sites. If any assistance or a copy of MCoE Regulation 350-19 or the IONMP noise program is needed for review, please feel free to contact Ellis Leeder at 706.545.2400 or email ellis.leeder@us.army.mil

Signature John E Brown

John E Brown
NEPA Program Manager
Date 14 SEP 2011

Signature Christopher E. Hamilton

Christopher E. Hamilton, PhD
EPMB Chief
Date 14 Sep 11

RECORD OF ENVIRONMENTAL CONSIDERATION (REC)

Date Submitted: 4/10/2012

EMD Number: 1211101 **Project#:** Unknown **Project Title:** Brann Breaching Facility

Description of proposed action:
Rangers will conduct Breach Training at Brann Breaching Facility

Project Location:
Brann Range

Amount, Description, Location of Disturbance/Digging:
none

Number of Personnel:
None

Type of Ammunition:
Demolitions

Number/Types of Trees:
none

Size of Project Area: N/A

Duration of Action: Start: 5/14/2012 Stop: 9/30/2012

Proponent: logan.krieger 706-545-0499

Organization/Unit: 3rd Ranger Battalion 75th Ranger Regiment

Number/Types of Vehicles:
None

****

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

Hazardous Materials/Waste **Conditions:** **Ted Williams (706 545 7579), 4/23/2012**

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.

Natural Resources - RCW **None** **Michael Barron (706 544 7080), 4/20/2012**

EMD Number: 1211101 **IJO#** **Project Title:** Brann Breaching Facility

****

CWA - Training **Conditions:** **Jessica Taylor (706-604-4572), 4/27/2012**

Environmental Review: Caution within training areas and motor pools should be taken to protect all nearby waterways (including perennial, intermittent streams and wetlands); as well as ground surfaces and any other sensitive areas in the vicinity of the training areas. Potential spills/releases from this activity that may occur before and/or during the FTX include: 1. Discharge and/or improperly disposal of oil or hazardous substances into or upon land, water, or into ground water areas from storage, handling and/or transportation of hazardous materials/waste; 2. Vehicle/equipment/generators leaks; 3. Fuel loading/unloading/refueling operations; 4. Field mess facilities/equipment/operations, and/or 5. Ammunitions /explosives (as applicable, before and/or during the FTX).

General SPCC Requirements: Ensure all hazardous materials are properly storage to prevent spill/discharges, to meet safety requirements for storage, and that containers are not exposed to the weather. Have adequate spill response supplies available during exercise for any spills that may likely occur. Use drip pans under vehicles and provide secondary containment for any fueling activities and hazardous material/waste storage. Locate all refueling operations and storage of hazardous materials/waste away from waterways and sensitive areas. See attached section on prevention procedures and CHECKlist (Figure 6.9.1) 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.

SPECIAL NOTE: See 2010 ASP SOP Training and Deployment.doc for further training requirements.

Signature John E Brown

John E Brown
NEPA Program Manager
Date 8 MAY 2012

Signature Chris Hamilton

Christopher E. Hamilton, PhD
EPMB Chief
Date 8 May 12

RECORD OF ENVIRONMENTAL CONSIDERATION (REC)

Date Submitted: 8/17/2012

EMD Number: 1223003 **Project#:** Unknown **Project Title:** Urban Breaching techniques and Live Fire Shoot House training

Description of proposed action:

3/75 Will conduct Urban Breaching techniques and Live Fire Shoot House training. We will train at the Team or Squad Level and conduct, Explosive, Ballistic, and Mechanical Breaching, as well as blank and live fire room/building clearance, and close quarters engagements inside the structure of the Shoot House. We will use blank and live ammunition as well as pyrotechnics and demolitions. We will train during the day, as well as periods of limited visibility.

Project Location:

SHOOT HOUSE, BRANN RANGE

Amount, Description, Location of Disturbance/Digging:

None

Number of Personnel:

None

Type of Ammunition:

5.56 blank, 5.56 live, various pyro, various demo Live and Blank

Number/Types of Trees:

None

Size of Project Area: N/A

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

Proponent: bradleyhojek 545-0499

Organization/Unit: 3/75

Number/Types of Vehicles:

1GMV, 1Govt. Vehicle, 1Van

****

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, 2012

CWA - Training **Conditions:** **Leah Ropski (706 626 0492), 8/20/2012**

Environmental Review: Caution within training areas and motor pools should be taken to protect all nearby waterways (including perennial, intermittent streams and wetlands); as well as ground surfaces and any other sensitive areas in the vicinity of the training areas. Potential spills/releases from this activity that may occur before and/or during the FTX include: 1. Discharge and/or improperly disposal of oil or hazardous substances into or upon land, water, or into ground water areas from storage, handling and/or transportation of hazardous materials/waste; 2. Vehicle/equipment/generators leaks; 3. Fuel loading/unloading/refueling operations; 4. Field mess facilities/equipment/operations, and/or 5. Ammunitions /explosives (as applicable, before and/or during the FTX).

General SPCC Requirements: Ensure all hazardous materials are properly storage to prevent spill/discharges, to meet safety requirements for storage, and that containers are not exposed to the weather. Have adequate spill response supplies available during exercise for any spills that may likely occur. Use drip pans under vehicles and provide secondary containment for any fueling activities and hazardous material/waste storage. Locate all refueling operations and storage of hazardous materials/waste away from waterways and sensitive areas. See attached section on prevention procedures and CHECKlist (Example Unit/Activity SOP for Training and Deployment) to be used during training exercise to comply with SPCC plan requirements. Ensure all wastewater from field mess equipment/operations particularly those involving oil/grease are collected and dispose properly. Do not discharge any wastewater into storm drains or dispose of oil/grease waste directly into land.

General ISCP Requirements: In the event of a spill/discharge -- notify Range Control by radio or call 544-6291, and they will notify E-911 for Fire Department/HAZMAT Team assistance and/or notification of the EMD office (Spill Beeper 706-317-6584). As appropriate, and if personnel are trained – REACT to minimize spill damages. Submit a spill report to the EPMB Spill Program Manager (use Spill Response Report attached). All spills reaching navigable water must be reported immediately. The unit is responsible for the final cleanup of any spill during this exercise. Coordination with this office is required for clearance of the site.

EMD Number: 1223003 **IJO#** **Project Title:** Urban Breaching techniques and Live Fire Shoot House training

****

Hazardous Materials/Waste **Conditions:** **Ted Williams (706 545 7579), 8/21/2012**

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), 8/17/2012**

This is training operations that must be conducted. If there is any noise complaints received, the Environmental Management Division Installation Operational Noise Monitoring Program (IONMP) and or Public Affairs Office (PAO) programs will investigate and then recommending operational noise mitigation actions to the appropriate personnel for the training actions. In accordance with the Army's policy on environmental noise management, all efforts shall be made to minimize noise annoyances to the highest extent practicable with training operations without interfering with the proposed missions. Please follow the fly friendly program avoiding no fly zones. Please follow good smoke management practices not allowing smoke or dust to travel off Installation boundary into public areas or roads. Please increase distance between vehicles when dust conditions are extreme, see Table 5-3. CS gas use should be utilized in designated areas only, contact Range Control for a listing of approved sites. If any assistance or a copy of MCoE Regulation 350-19 or the IONMP noise plan is needed for review, please feel free to contact Ellis Leeder at 706.545.2400 or email ellis.p.leeder.civ@mail.mil or visit the Range Control Website for the updated version of MCoE Regulation 350-19

Natural Resources - RCW **None** **Michael Barron (706 544 7080), 8/17/2012**

Signature John E Brown

John E Brown
NEPA Program Manager
Date 21 AUG 12

Signature Chris Hamilton

Christopher E. Hamilton, PhD
EPMB Chief
Date 21 Aug 12

RECORD OF ENVIRONMENTAL CONSIDERATION (REC)

EMD Number: 1121602 **Project#:** Unknown **Project Title:** Squad live fire exercise

Description of proposed action:

3/75 will conduct a Squad Live fire exercise

Project Location:

Brann Range

Amount, Description, Location of Disturbance/Digging:

NONE

Number/Types of Vehicles:	Number of Personnel:	Type of Ammunition:	Number/Types of Trees:
4XGMV,HUMVEE,BUS,TRUCK	None	5.56MM,7.62,Smoke,40mm TP Live and Blank	NONE

Size of Project Area:

Duration of Action: Start: 10/1/2011 Stop: 9/30/2012

Proponent: tennillmc 706-545-0499 **Organization/Unit:** 3/75 RANGER BN

****

DECISION: Concur with conditions

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

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

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REC APPROVED THROUGH 30 SEPTEMBER, 2012

CWA - Training **Conditions:** **Jesse Taylor (706 545 0276), 8/4/2011**

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 (Figure 6.9.1) 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.

SPECIAL NOTE: See 2010 ASP SOP Training and Deployment.doc for further training requirements.

EMD Number: 121602 **IJO#** **Project Title:** Squad live fire exercise

****

Hazardous Materials/Waste **Conditions:** **Dudley Carson (706 545 7570), 8/8/2011**

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 **None** **Michael Barron (706 544 7080), 8/8/2011**

Noise **Conditions:** **Ellis Leeder (706 545 7576), 8/5/2011**

This is normal training or flight training operations that must be conducted annually. If there are any complaints received, the Environmental Management Division IONMP and or POA programs will investigate by determining if the noise was detected by noise detection monitors, and then recommending operational noise mitigation actions to the appropriate personnel for the training actions. Please follow the MCoE Regulation 350-19 Army Sustainable Range Program Training Range and Terrain Regulations and Garrison guidelines addressing operational noise management and hours of firing operations per and (SEE CHAPTER 5 -1 SECTION C (Requests to fire .50 caliber or larger munitions, including demolitions) . In accordance with the Army's policy on environmental noise management, all efforts shall be made to minimize noise annoyances to the highest extent practicable with training operations without interfering with the proposed missions. Please follow the fly friendly program avoiding no fly zones. Please follow good smoke management practices not allowing smoke to travel off Installation boundary. If any assistance or a copy of MCoE Regulation 350-19 is needed please feel free to contact Ellis Leeder at 706.545.2400 or email ellis.leeder@us.army.mil

Cultural Resources - Archeological **None** **Edward Howard (706 545 1898), 8/4/2011**

Signature

John E Brown
NEPA Program Manager
Date 10 AUG 2011

Signature

Christopher E. Hamilton, PhD
EPMB Chief
Date 10 Aug 11

Example Unit/Activity SOP for Training and Deployment

Introduction

This SOP is divided into two main sections: PREVENTION & RESPONSE. The following sections will assist you in planning your environmental activities while bedding down, initiating, sustaining and conducting field exercises, and/or during deployment. Before you deploy, ensure you are familiar with the following:

What Are Hazardous Materials and Hazardous Wastes

Hazardous Materials are defined as any material that may be a health or physical hazard, or any material that, based on either chemical or physical characteristics, is capable of posing a risk to human health or the environment if improperly disposed of, handled, stored, or transported. Chemical and physical characteristics that may pose a risk to human health or the environment include, but not limited to, one of the following characteristics: Ignitable; Corrosive; Reactive and/or Toxic.

Hazardous Waste: is defined as any discarded material (solid, liquid or gas) that:

1. Has no further value and cannot be reused or recycled;
2. Is harmful to human health or the environment due to its quantity, concentration, biological, chemical or physical characteristics; and/or
3. Exhibits one or more of the characteristics as described for Hazardous Material.

Contaminated or unusable fuel is a typical hazardous material/hazardous waste common to training and deployment operations and should be handled, stored, and disposed of properly.

Ten of the most common hazardous materials/hazardous wastes that you will encounter during training and or deployment operations include:

- Fuel
- Engine Oil
- Bleach or DS-2
- Solvent
- Anti-Freeze
- Transmission Fluid
- Used Oil Filters or Batteries
- Empty POL Containers
- Brake Fluid
- Grease.

These materials should be handled, stored and disposed of properly.
SPILL KITS: Spill kits should be maintained in and around all locations where hazardous materials/hazardous wastes are stored, handled, or disposed. Various types of kits may be ordered through the U.S. Army Supply System and include: rubber gloves, safety goggles, putty, rubber mallet, wooden plugs, absorbent booms, absorbent pads, plastic bags, and in some cases, a disposal barrel.

SPILL PREPARATION: Despite the best prevention, you may run into difficulties and an accident may occur when you least expect it. To minimize contamination, hazards to people, and environmental damage, you must REACT immediately. To help you prepare, this SOP will tell you:

- **HOW to PLAN** and be ready to respond to a problem;
- **HOW to REACT** to a minor, intermediate or major spill; and
- **WHAT** to do after a spill occurs.

Planning

MINOR SPILLS

- When on the move, keep some plastic bags in your vehicle, and have your assigned On-Vehicle Equipment (OVE) ready for use.
- Maintain supplies, rags, absorbent pads, or other kinds of materials that will soak up spills on hard surfaces (like Dry Sweep), or know where you can easily obtain them.
- Keep Personal Protective Equipment (PPE) accessible (gloves, goggles, etc.).

INTERMEDIATE & MAJOR SPILLS

In addition to the procedures above:

- Know where to go for help.
- Know where spill kits are kept and learn how to use them.

Prevention

Vehicle Maintenance and Fueling Points, Hazardous Waste Collection Points and hazardous material Storage & Supply Areas may not be set up at your deployment destination. So PLAN to build your areas to prevent hazardous material accidents before they occur. Remember the following:

HAZARDOUS MATERIAL/HAZARDOUS WASTE AREA LOCATION - Locate hazardous material/hazardous waste areas away from living areas, bunkers, ammunition storage, fence lines and/or dining facilities. Place them near the areas where hazardous material are used.

MATERIAL SAFETY DATA SHEET (MSDS) - Keep MSDSs for each hazardous material stored or collected at hazardous material/hazardous waste areas.

UNIT/ACTIVITY ENVIRONMENTAL SOP & SPILL RESPONSE PLAN - Place SOP and Spill Response Plan at each hazardous material/hazardous waste area.

COMPATIBILITY OF MATERIALS - Store and/or dispose of each class of hazardous material/hazardous waste separately. MSDSs describe the classification of HMs. Four common classification include the following: Flammable (fuels), Corrosives (acids), Reactive (explosives), and Toxic (insecticides).

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

SECONDARY CONTAINMENT - All liquid hazardous material/hazardous waste must have secondary containment. In order for it to be effective it must:

1. Hold 10% of the total hazardous material/hazardous waste stored or 100% of the largest container.
2. Have sand and/or pallets placed in certain areas to protect the liner.
3. Have overhead cover.

You should continually keep your hazardous material/hazardous waste areas clean and orderly by applying the principals of Monitoring and Housekeeping. 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 and dispose of it as hazardous waste at the Hazardous Waste Collection Point.

Hazardous Material/Hazardous Waste locations:

___Make sure the locations of your hazardous material/**hazardous waste** are well chosen.

___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 hazardous material/hazardous waste areas.

See Appendix D of the ASP for specific CHECKlists for areas such as: Vehicle Fueling & Maintenance Areas; Hazardous Waste Collection Points; and Hazardous Material Supply & Storage Areas.

Response

Be prepared to respond immediately to any spill situation. Keep your Environmental SOP and Spill Response Plan (SRP) readily available at the main hazardous material/hazardous waste areas. The SRP should ensure that the following measures are implemented:

- PERSONAL PROTECTIVE EQUIPMENT (PPE) - At the entrance of every hazardous material/hazardous waste area, keep a supply of PPE to protect hands, eyes, skin, ears, head, feet, and lungs. If you are unsure about which items you need, consult the MSDS for the HMs that you are using.
- MSDS - Make sure that MSDSs are available in order to REACT to spills safely and effectively.
- SPILL STATIONS - Maintain spill response equipment at a station near (not inside of) hazardous material/hazardous waste areas. They should contain: First Aid Kits, Fire Extinguishers, Spill Response Kits, and Emergency PPE.
- TRAINING - Improve your readiness by practicing the SPILL DRILL on a regular basis, and be sure to know the spill reporting process.

Respond to spills, major or minor, immediately in order to eliminate hazards that could cause personal injury and/or environmental damage. If assistance is required, or spill/release is major, immediately call **911 or the Fort Benning Military Police (MP) Desk**.

In any spill situation:

1. Safety First! -- Protect yourself by using PPE, including goggles, gloves, and suits. THEN...
2. Do the SPILL DRILL -- **REACT**:

REMOVE THE SOURCE: Plug the drip or leak and stop the spill.

ENVELOP THE SPILL: Place absorbent booms around the spill area, or build an earthen dam, when appropriate, around the spill.

ABSORB/ACCUMULATE: Place appropriate absorbent material (Dry Sweep, pads, etc.) on the spill in the middle of the boomed-off area.

CONTAINERIZE THE HAZARDOUS WASTE: Use a shovel to place contaminated materials (including soil, booms, pads or other materials) in a plastic bag or a waste drum.

TRANSMIT A REPORT: If a spill is too large to handle alone, - REACT as best you can and get help!

See Appendix D of the ASP for specific REACT actions for spills involving:

- **Minor Spills** (20 gallons or less);
- **Intermediate Spills** (from 21-55 gallons); and
- **Major Spills** (more than 55 gallons), or any spill into water, where injuries occurred or where spills occurred off Fort Benning associated property.

In addition:

- Prevent hazardous material from entering storm sewers and waterways;
- Minimize impacts to vegetation and wildlife; and
- Notify proper personnel and maintain record of spill event.

Acronyms are defined in the ASP Table of Content

APPENDIX H

Spill Kits and Response Material Checklists

Summary Spill Kit and Response Material Checklist

Spill Kits and Response Material	Primary Contents
Spill kits should be maintained in and around all locations where hazardous material and hazardous waste are stored, handled, or disposed. The contents of a spill kit will vary depending on the hazardous materials and their characteristics. Hazardous materials other that POL will require spill kits to meet their specific requirements, (i.e., acid spill kit for Battery Shop that handles lead acid batteries).	**Spill kits** should include as a minimum: ✓ Rubber gloves, ✓ Safety goggles, ✓ Putty, rubber mallet, ✓ Wooden plugs, ✓ Absorbent booms, ✓ Absorbent pads, ✓ Plastic bags, and ✓ In some cases, a disposal barrel.
The Unit/Activity must check the material's MSDS for specific information on PPE and spill supplies.	Units/activities **transporting hazardous materials** should also plan for having a minimum amount of response materials on hand. ✓ Various types of kits can be ordered through the U.S Army Supply System (through the Units supply or S-4 shop); ✓ The Unit/Activity must assess their hazardous material inventory and plan to have enough spill response material to respond to the larger container within their facility and the minimum for any specific hazardous material that require specific spill materials or PPE; and ✓ Whenever the Unit gets to this minimum level, the user should initiate a reorder to the supply NCO or S-4 to maintain the minimum amount on-hand.

Acronyms are defined in the ASP Table of Contents

Recommended Spill Kits for Unit/Activity Motor Pools, Aircraft Hanger Areas, and all POL Field Sites

30-Gallon POL Boom Kit: Absorbs Approx. 40 Gallons
Polyurethane 2 Rolls
55-Gallon POL Kit: Absorbs Approx. 40 Gallons
1 55 Gallon Drum
2 Bags Absorbent
6 Booms 2x10
50 Absorbent Pads
10 Heavy Duty Trash Bags

Recommended Spill Kits for Fuel Carrying Vehicles

It's recommended that all fuel carrying vehicles should have a transportation pack spill kit or equivalent spill equipment on board at all times. The following vehicles are considered to be fuel transporting vehicles: HEMITT M971 2500 gallons, Tanker 5000 gallon, M49C 1200 gallon, Tank and Pump unit 600 gallon.

The following is a list of the minimum level of spill equipment recommended to be on hand in all fuel carrying vehicles, especially if they are traveling within the Installation or in a filed exercise.

Drip Pan
30-Gallon POL Kit: Absorbs Approx. 20 Gallons
1 30 Gallon Drum
1 16 pound bag Absorbent
3 Booms 2x10
25 Absorbent Pads ~17xl9
5 Heavy Duty Trash Bags
1 Dust Pan

Recommended Spill Kits for Other Military Vehicles

Recommended on Vehicle Equipment (OVE) for small spills (usually from vehicle leaks):

1 drip pan
4-5 absorbent pads
1-2 plastic bags.

Additional Materials or Equipment

For each one of these recommended spill kits, the following should be available:
PPE such as: Goggles and Gloves. (2-3 pairs)
1 Shovel
2 Labels for wastes
1 Spill report
1 Inventory

Vehicles Transporting Hazardous Materials other than POL

- ✓ Transportation of hazardous materials is regulated under the Department of Transportation. Personnel transporting hazardous materials must follow all DOT requirements.
- ✓ As a preventive measurement, vehicles transporting small amounts of hazardous materials or waste should have a transportation pack spill kit or equivalent spill equipment on board to REACT in the event of an incident.

- ✓ Hazardous Materials other that POL will require spill kits to meet their specific requirements. The Unit/ Activity should check the MSDS for the materials that they transport and have appropriate amount for those particular materials.

Spill Response Record

PHASE I-IMMEDIATE ACTIONS FOR EVALUATING AND REPORTING SPILLS:

IMMEDIATELY REPORT ALL SPILLS TO YOUR SUPERVISOR AND/OR CALL 911 or the Fort Benning Military Police (MP) Desk

***BE PREPARED TO PROVIDE THE FOLLOWING INFORMATION TO THE 911 OPERATOR:*

During Duty Hours also Call Mr. Felix Seda, EMD Spill Manager at (706) 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 of 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 EMD Spill Program Manager or FAX to (706) 545-4209***

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: _____
14. ESTIMATED COST OF CLEAN-UP: _____
15. CORRECTIVE ACTION TAKEN OR TO BE TAKEN TO PREVENT FUTURE SIMILAR INCIDENTS: _____
16. NAME AND PHONE NUMBER OF PERSONNEL REPORTING SPILL: _____

*****KEEP THIS FORM FOR A MINIMUM OF 5 YEARS***

FORT BENNING ENVIRONMENTAL REGULATIONS SUMMARY

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

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

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

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

ENVIRONMENTAL INCIDENT REPORT FORM

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

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

FORT BENNING ENVIRONMENTAL REGULATIONS SUMMARY

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

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

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

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

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

ENVIRONMENTAL INCIDENT REPORT FORM

Unit: _____

OIC/NCOIC: _____

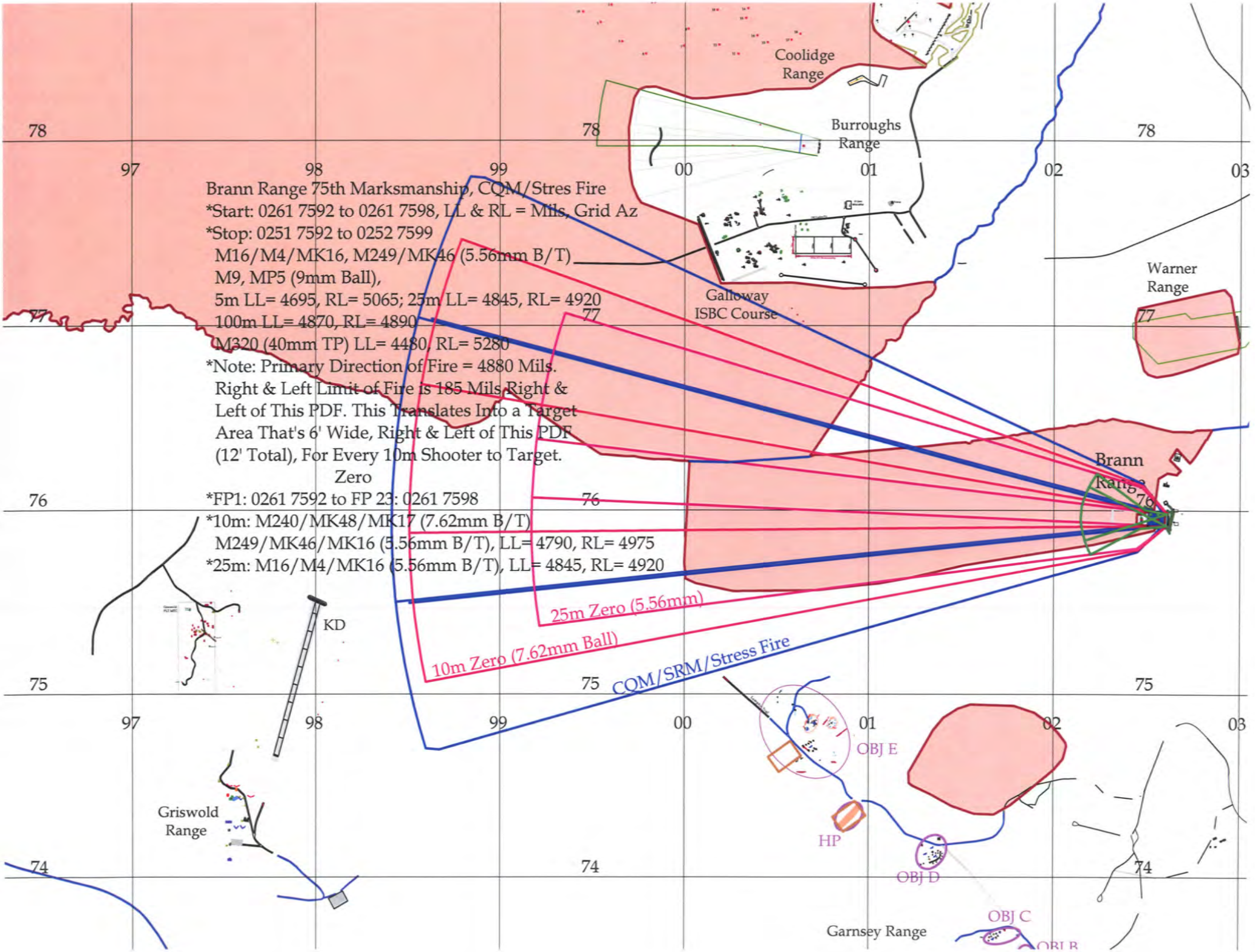
Training Area: _____

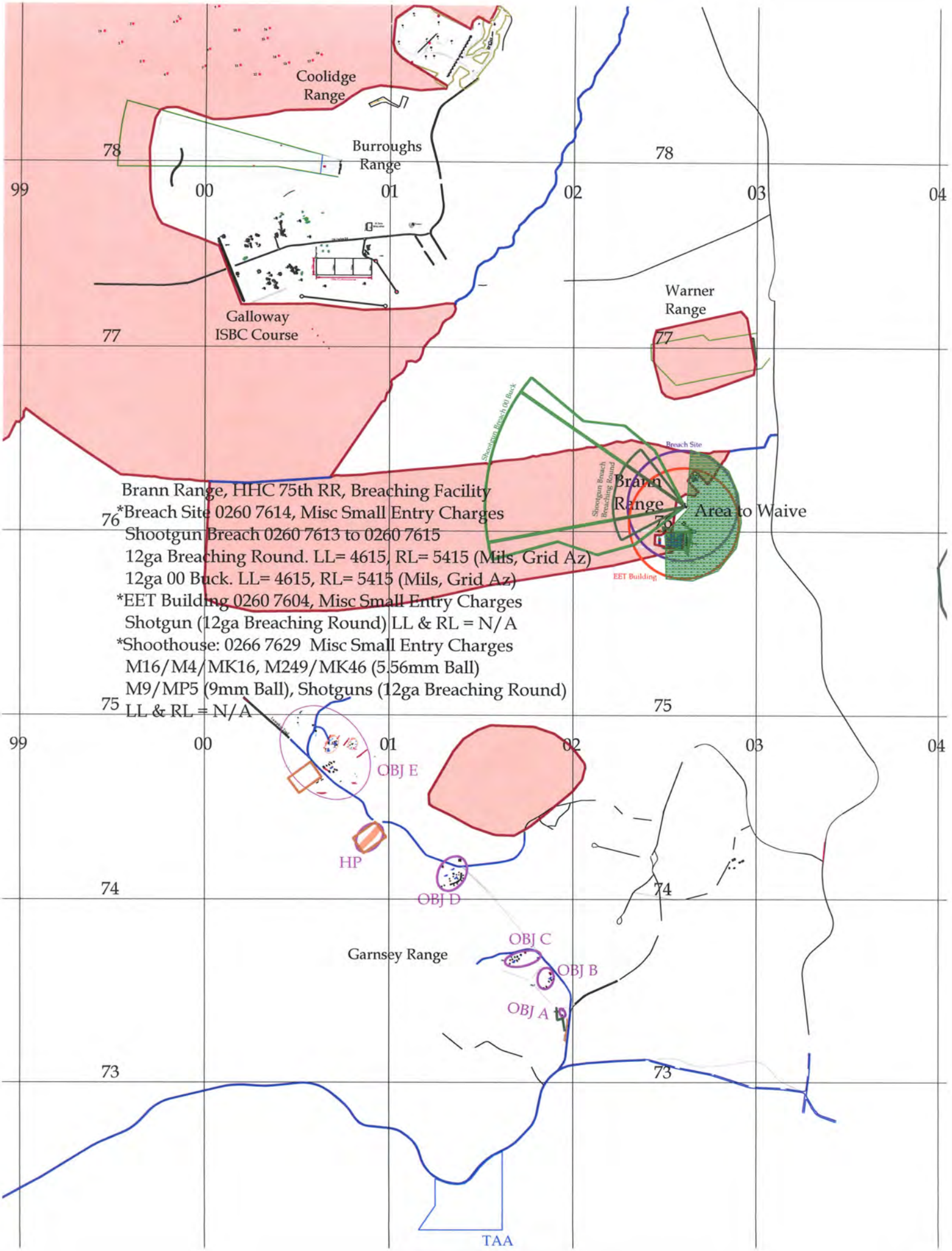
Grid Coordinates: _____

Date and Name: _____

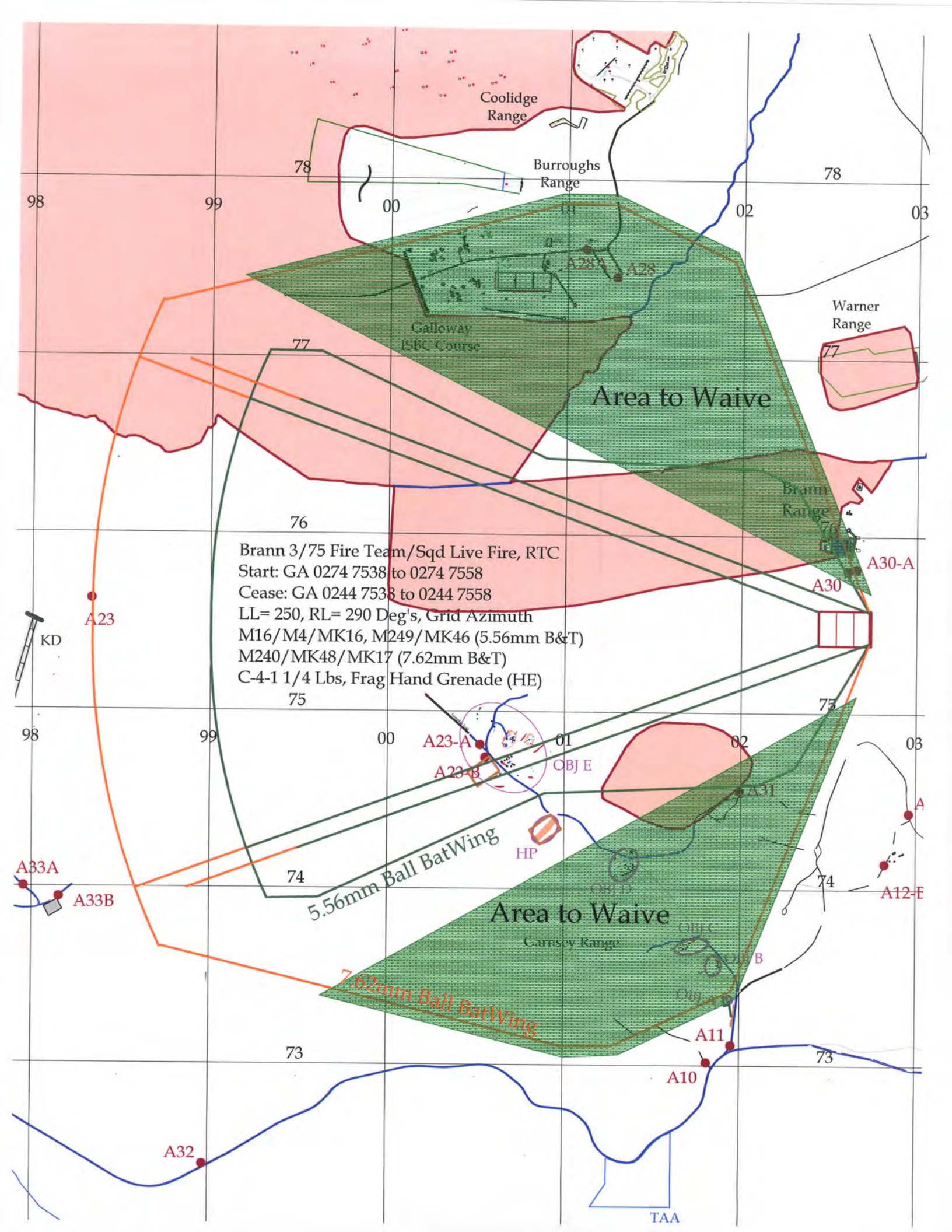
Signature: _____

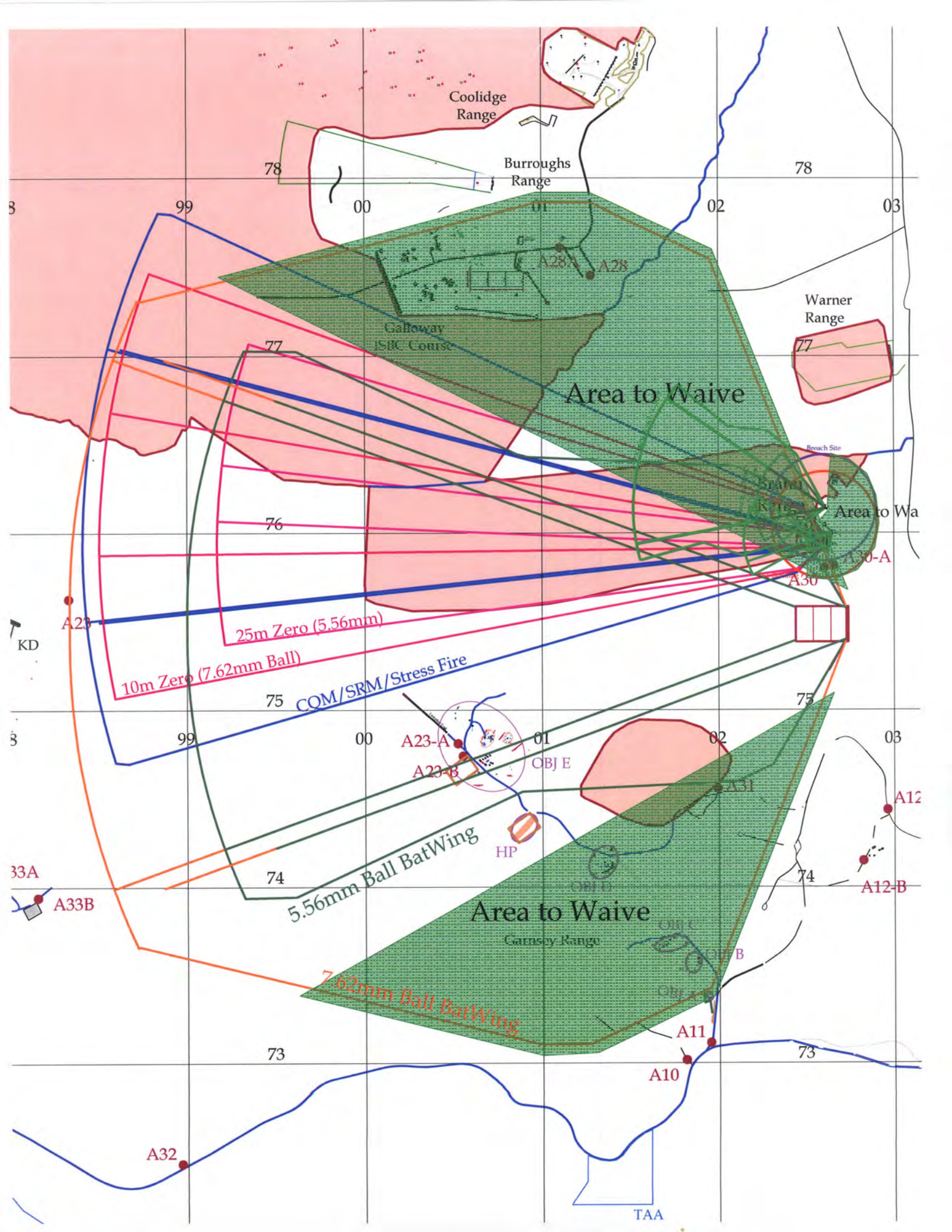
FB (DPW) Form 31, 1 May 2004 PREVIOUS EDITION OBSOLETE


Brann Range 75th Marksmanship, CQM/Stres Fire
*Start: 0261 7592 to 0261 7598, LL & RL = Mils, Grid Az
*Stop: 0251 7592 to 0252 7599
M16/M4/MK16, M249/MK46 (5.56mm B/T)
M9, MP5 (9mm Ball),
5m LL= 4695, RL= 5065; 25m LL= 4845, RL= 4920
100m LL= 4870, RL= 4890
M320 (40mm TP) LL= 4480, RL= 5280
*Note: Primary Direction of Fire = 4880 Mils.
Right & Left Limit of Fire is 185 Mils Right &
Left of This PDF. This Translates Into a Target
Area That's 6' Wide, Right & Left of This PDF
(12' Total), For Every 10m Shooter to Target.
Zero
*FP1: 0261 7592 to FP 23: 0261 7598
*10m: M240/MK48/MK17 (7.62mm B/T)
M249/MK46/MK16 (5.56mm B/T), LL= 4790, RL= 4975
*25m: M16/M4/MK16 (5.56mm B/T), LL= 4845, RL= 4920
Coolidge Range
Burroughs Range
Galloway ISBC Course
Warner Range
Brann Range
KD
25m Zero (5.56mm)
10m Zero (7.62mm Ball)
COM/SRM/Stress Fire
OBJ E
HP
OBJ D
OBJ C
Garnsey Range
Griswold Range
78
77
76
75
74
97
98
99
00
01
02
03



Brann Range, HHC 75th RR, Breaching Facility
*Breach Site 0260 7614, Misc Small Entry Charges
Shootgun Breach 0260 7613 to 0260 7615
12ga Breaching Round. LL= 4615, RL= 5415 (Mils, Grid Az)
12ga 00 Buck. LL= 4615, RL= 5415 (Mils, Grid Az)
*EET Building 0260 7604, Misc Small Entry Charges
Shotgun (12ga Breaching Round) LL & RL = N/A
*Shoothouse: 0266 7629 Misc Small Entry Charges
M16/M4/MK16, M249/MK46 (5.56mm Ball)
M9/MP5 (9mm Ball), Shotguns (12ga Breaching Round)
LL & RL = N/A


Coolidge Range
Burroughs Range
Galloway ISBC Course
Warner Range
Area to Waive
Brann Range
Brann 3/75 Fire Team/Sqd Live Fire, RTC
Start: GA 0274 7538 to 0274 7558
Cease: GA 0244 7538 to 0244 7558
LL= 250, RL= 290 Deg's, Grid Azimuth
M16/M4/MK16, M249/MK46 (5.56mm B&T)
M240/MK48/MK17 (7.62mm B&T)
C-4-1 1/4 Lbs, Frag Hand Grenade (HE)
A28A
A28
A30-A
A30
A23
KD
A23-A
A23-B
OBJ E
A31
HP
A33A
A33B
5.56mm Ball BatWing
Area to Waive
Garnsey Range
OBJ C
OBJ B
7.62mm Ball BatWing
A11
A10
A32
A12-E
TAA
78
98
99
00
01
02
03
77
76
75
74
73


Coolidge Range
Burroughs Range
Warner Range
Galloway ISBC Course
Area to Waive
Area to Waive
Garnsey Range
A28A
A28
A30-A
A30
A23
A23-A
A23-B
A31
A33B
A12
A12-B
A11
A10
A32
TAA
HP
OBJ E
OBJ C
OBJ B
OBJ D
25m Zero (5.56mm)
10m Zero (7.62mm Ball)
COM/SRM/Stress Fire
5.56mm Ball BatWing
7.62mm Ball BatWing
KD
78
99
00
01
02
03
77
76
75
74
73