

FIRING/NONFIRING DATA

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

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

Date: 08 May 2014 Log #10-12-13
Range: Galloway Range
Title: Platoon LFX with Trench Clearing
Problem No:

THRU: S-3, 2-11 IN

FROM: 2-11 IN / BOLC-B

SECTION I, TYPE OF TRAINING

a. Live Fire b. Non-live Fire CP/Controller Coordinates: GA 0112 7766

SECTION II, DEMOLITIONS/GRENADES/MINES/PYROTECHNICS

Coordinates	Type	Model/DODAC	Size of Charges
See Weapons & Ammo List	Signal, Illumination, Parachute Green/ White	L314/ L305, L307/ L312	N/A
See Weapons & Ammo List	Fuse Hand Grenade; Practice Grenade Hand Smoke; Simulator	G878, G930, G940, G945,G950, G955, G950, K866	N/A
See Weapons & Ammo List	Simulator Flash Artillery and Simulator Hand Grenade	L594, L596, L601, L602, G918,G872	N/A

SECTION III, WEAPONS/AMMUNITION REQUESTED

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

SECTION IV, LIVE FIRE EXERCISES Attach the following:

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

SECTION V, NON-LIVE FIRE TRAINING

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

Name/rank of requesting officer:
CHARLES T. CLIFFORD CPT, IN

Name/rank of Major Unit S3/Commander:
JOHN M. GRANTZ LTC, IN, CMD

SECTION VI, FOR RANGE DIVISION USE

DATE: 9 MAY 2014

TO: S-3 2-11 IN
FT. BENNING, GA 31905

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

a. Roadblocks to be closed: A: 8, 18, 23A, 28, 30, 33A, 34.
b. Road(s) to be closed/road barrier locations:
c. Remarks:
d. This approval expires: 8 May 2016

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

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Galloway Range 2-11 IN PLT LFX W/Trench Clearing (Log #10-12-13) Target List Enclosure, 12 April 2014

Firing Positions	Weapons	Ammunition	Targets
SBF1 GA 0088 7751 to GA 0088 7755	M4, M249, M240B	5.56mm Blank/Ball/Tracer, 7.62 Blank/Ball/Tracer	(OBJ Iron) <u>SIT:</u> 5, 6, 7. <u>MIT:</u> 1. <u>SAT:</u> 1. Trench.
SBF1 (Shift Fire) GA 0088 7751 to GA 0088 7755	M4, M249, M203	5.56mm Blank/Ball/Tracer, 40mm TP/Smk	<u>RF:</u> 17, 19.
SBF2 GA 0065 7733 (MSD-2)	M4, M249, M203	5.56mm Blank/Ball/Tracer, 40mm TP/Smk	(OBJ Iron) <u>SIT:</u> 5, 6, 7. <u>SAT:</u> 1. <u>RF:</u> 25, 26. (M203 Target Area is From South West of Trench to North East of Trench).
SBF3 GA 0052 7736 (MSD-3)	M4, M249, M203	5.56mm Blank/Ball/Tracer, 40mm TP/Smk	(South 1/2 OBJ Gold) <u>SIT:</u> 11, 12, 13. <u>MIT:</u> 3. <u>SAT:</u> 3. <u>MSD:</u> 7. (M203 Target Area Covers North 1/2 and South 1/2 of OBJ Gold to Area West of Trench on OBJ Iron).
SBF4 GA 0052 7739	M4, M249, M203	5.56mm Blank/Ball/Tracer, 40mm TP/Smk	(Targets on South 1/2 of OBJ Gold) <u>SIT:</u> 11, 12, 13. <u>MIT:</u> 3. <u>SAT:</u> 3. <u>MSD:</u> 7. (M203 Target Area is The South 1/2 of OBJ Gold, And South West to North West of Trench)
Trench Assault, Start to Stop: GA 0052 7737 - GA 0054 7738 GA 0045 7744 - 0046 7746	M4, M249, M203	5.56mm Blank/Ball/Tracer, 40mm TP/Smk	<u>RF:</u> 25, 26 And Targets in Trench Between 270 Deg's and 330 Deg's
SBF5 GA 0047 7741 to GA 0044 7743 (SIT-7 to SAT-1) And SBF3 GA 0052 7736 (MSD-3)	M4, M249, M240, M203	5.56mm Ball/Tracer; 7.62 Ball/Tracer, 40mm TP/Smk	(Position SIT 7 to SAT 1) Targets on North 1/2 of OBJ Gold <u>SIT:</u> 14, 15. <u>MIT:</u> 4. <u>SAT:</u> 5. <u>RF:</u> 30-32. (Position MSD 3) Targets on South 1/2 of OBJ Gold <u>SIT:</u> 11, 12, 13. <u>SAT:</u> 3. <u>MIT:</u> 3. <u>MSD:</u> 7.
Zero Left Side: GA 0090 7739 to Right Side: GA 0090 7748	M4, M249, M240	5.56mm Ball/Tracer; 7.62 Ball/Tracer	10m/25m Zero Targets

Targets on OBJ Iron Are: SIT 5, 6, 7. SAT 1. MIT 1. RF 25, 26. Trench. **Targets on OBJ Gold Are:** (South 1/2) SIT 11, 12, 13. SAT 3. MIT 3. MSD 7. (North 1/2) SIT 14, 15. SAT 5. MIT 4. RF 30, 31, 32.
NOTE: AN/ PEQ-15 Non-tactical Mode (Class IIA/ Lasers) will be used throughout this LFX. LASER warning signs will be in place prior to their use.

Galloway Range 2-11 IN PLT LFX W/Trench Clearing (Log #10-12-13) Weapons & Ammunition List Enclosure, 12 April 2014

Firing Positions	Weapons	Ammunition	Left Limit of Fire Degrees, Grid Azimuth	Right Limit of Fire Degrees, Grid Azimuth
SBF1 GA 0088 7751 to GA 0088 7755	M4, M249, M240B	5.56mm Blank/Ball/Tracer, 7.62 Blank/Ball/Tracer	248 (Shift 270)	280 (Shift 280)
SBF2 GA 0065 7733 (MSD-2)	M4, M249, M203	5.56mm Blank/Ball/Tracer, 40mm TP/Smk	280 (40mm: 275)	310
SBF3 GA 0052 7736 (MSD-3)	M4, M249, M203	5.56mm Blank/Ball/Tracer, 40mm TP/Smk	250	270 (40mm: 310)
SBF4 GA 0052 7739	M4, M249, M203	5.56mm Blank/Ball/Tracer, 40mm TP/Smk	240	257 (40mm: 295)
Trench Assault, Start to Stop: GA 0052 7737 - GA 0054 7738 GA 0045 7744 - 0046 7746	M4, M249, M203	5.56mm Blank/Ball/Tracer, 40mm TP/Smk	300 (270 in Trench)	330 (330 in Trench)
SBF5 GA 0047 7741 to GA 0044 7743 (SIT-7 to SAT-1) And SBF3 GA 0052 7736 (MSD-3)	M4, M249, M240, M203	5.56mm Ball/Tracer; 7.62 Ball/Tracer, 40mm TP/Smk	(Position SIT 7 to SAT 1) 235 (Position MSD 3) 250	(Position SIT 7 to SAT 1) 272 (Position MSD 3) 270
Zero Left Side: GA 0090 7739 to Right Side: GA 0090 7748	M4, M249, M240	5.56mm Ball/Tracer; 7.62 Ball/Tracer	(10m) 265 (25m) 268	(10m) 275 (25m) 272

NOTE: AN/ PEQ-15 Non-tactical Mode (Class IIA/ Lasers) will be used throughout this LFX. LASER warning signs will be in place prior to their use.



MEMORANDUM

DEPARTMENT OF THE ARMY
2ND BATTALION, 11TH INFANTRY REGIMENT
6649 VIBBERT AVENUE
COLUMBUS GA 31905-4475

ATSH-TPB

June 6, 2014

MEMORANDUM FOR Chief, Range Operations, Fort Benning, Georgia, 31905.

SUBJECT: Scenario for Galloway Section and Platoon LFX with Trench Clearance

1. PURPOSE: To establish a Concept of Operations to be used for 2-11 IN REGT Platoon Live Fire Exercise.

2. APPLICABILITY: The purpose of this memorandum is to outline the scenario for the Section/Platoon Live Fire Exercise, conducted at Galloway Range. The information is provided in accordance with MCOE Regulation 350-19 and will train and evaluate sections and platoons on the collective tasks as well as individual tasks. This training will gear sections and platoons towards future combat operations. 2-11 IN Leaders will be given sufficient time to prepare and formulate a plan for the training exercise (OPORD) which will outline and give a detailed description of their mission, task organization, execution, direct fire control measures, and other safety considerations. Each platoon will conduct rehearsals in the form of key leaders, back briefs, TEWT, leader's rock drill, specialty team rehearsal, and a blank fire exercise on the exact range scenario.

3. REFERENCES:

- a. Army Regulation 385-63 and DA PAM 385-63, Range Safety
- b. Army Regulation 350-1, Army Training
- c. MCoE Regulation 350-19, Range and Terrain Regulation
- d. TM 9-1300-206, Ammunition and Explosives Standards
- e. TC 7-9 (Infantry Live Fire Training), Sep 1993
- f. FM 3-21.8, The Infantry Rifle Platoon and Squad
- g. FM 23-9, M16/M4
- h. FM 23-14, M249 Light Machine Gun
- i. FM 3-22.68 Crew-Served Machine Guns
- j. FM 3-23.30, Grenades and Pyrotechnics

4. SCHEDULING: Each unit / activity scheduling Galloway Range will prepare and submit the following documents to Range Operations:

- a. DA Form 7566, Risk Management Worksheet
- b. FB Form 350-19-1-E-R, scenario, sketches, FB Form 144, and any specific enclosures as required.
- c. Training guidelines: All training will be conducted IAW this memorandum, applicable references listed in paragraph 3, and FB 350-19-1-E-R. Units are responsible for developing and submitting a new range packet if requested training deviates from approved range packets.

5. ADMINISTRATIVE: The training unit shall clear Galloway Range in accordance with local policies and procedures. Units will be required to clean all buildings occupied during the training event. This will require that the unit supply the following: brooms, mops, buckets, and appropriate cleaning supplies. Coordination will be made with Urban Operations Section personnel.

- a. Using units are responsible for clearing all brass and ammunition from the range and all firing lanes. Brass and ammunition are to be policed during daylight hours only, after firing has ceased and under supervision.
- b. A red range flag will be provided to the using unit by Range Patrol Personnel. The range flag will be displayed prior to live-fire training and must be returned to Range Patrol Personnel prior to departing the range.
- c. Using units are responsible for providing a fire detail. These personnel will be used in case of a fire downrange. After placing the range on check fire through Range Division Alpha Base, all range fires will be suppressed and reported to Range Division Alpha Base IAW MCoE regulation 350-19. The cease fire will remain in effect until cleared through Range Division Alpha Base.
- d. Using unit will maintain continuous contact with Range Division Alpha Base at all times. If communications are lost the unit will go into a self induced check fire until communications are restored.
- e. In the event of an accident, injury or illness, the OIC/RSO will immediately call a cease fire then call 911 using the standard 9 Line MEDEVAC to determine what type of evacuation is the most appropriate for the injury (loss of life, limb or eyesight). MEDEVAC will be IAW MCoE Regulation 350-19 and MCoE 40-2. Landing zone for MEDEVAC aircraft will be established prior to use and will be marked appropriately. Range Division Alpha Base will be notified in this event. The cease fire will remain in effect until cleared through Range Division Alpha Base.

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

6. REQUIREMENTS: A specific operation 350-19-1-E-R / scenario package will be prepared by the units for Galloway Range and approved by Chief, Range Operations. All supporting documents, i.e. regulations, field manuals, TMs, etc. with an approved 350-19-1-E-R / scenario package will be onsite. All visiting personnel (military) will also be directly controlled by the OIC / RSO. Prior to training, all personnel will be given range orientation / safety briefing, to include location of dud areas, medical procedures, loading and clearing weapons, misfire procedures, emergency cease fire signals, etc. Only weapons / ammo listed on the approved FB Form 350-19-1-E-R / scenario package will be allowed on the range. Prior to and after training, an ammo / weapons check will be made to ensure no individual or vehicle has any unauthorized ammo/ weapons. Prior to vacating the range, the using unit will ensure the range is cleared of all refuse generated (i.e. pallets, ammo boxes and food packaging). Any damage or malfunction must be reported in writing to the Chief of Range Operations. Approved hearing protection will be worn. Meals will only be eaten at the approved area and this area will be cleaned after use. A detailed briefing will be given by the OIC/RSO to all personnel prior to training on the range. This briefing will include the FB Form 350-19-1-E-R, daily risk management worksheet and a detailed safety briefing.

7. MEDICAL: Medical personnel and equipment on site will be IAW unit SOP and risk management worksheet risk level for the training conducted. MEDEVAC will be IAW MCoE Regulation 350-19. All incidents will be reported to Brigade HQ and Range Division Alpha Base. FLA will be located IAW Commander/OIC guidance and not adjacent to the mess area. A FLA with two medics will be on site during all live fire exercises and a CLS will be present for all dry and blank fire iterations.

8. AMMO POINTS: There will be an ammo point established on Galloway Range. No open flames will be allowed within 50 feet and two 10lb bicarbonate fire extinguishers will be available at all times at the ammunition point. Ammunition Non-Commissioned Officer will control issue of live ammunition and monitor at all times. All ammunition will be issued and turned in to the Ammunition NCO and logged. Ammo NCO will be Ammo Handler certified. Ammunition will be separated at all times by DODIC.

a. Ammunition:

- (1) The ammo NCO will sign for all blank and live ammunition.
- (2) The blank and live ammunition will be separated.
- (3) The ASPs will be secured with triple strand concertina wire and 2 guards.

- (4) The ASP issues to Soldiers only enough ammunition for one iteration.
- (5) Each Soldier will return all unused ammo at the end of their iteration to the ASP.
- (6) Blank Firing Adapters will be used during all blank firing iterations and removed prior to live fire. This will be confirmed before every iteration by the range cadre.
- (7) Red Taped magazines will be maintained at the ammo point and issued to students who have completed and been certified on their blank iteration prior to the execution of the subsequent Live Fire. All M249 Drums will also be marked with Red Tape.
- (8) There will be an ammunition “shake down” before and after every iteration.
- (9) 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.
- (10) If Soldiers and/or Range Cadre finds any unexploded ordinance or DUDs, they will immediately cease fire, contact Range Division Alpha Base and await EOD. The cease fire will remain in effect until cleared through Range Division Alpha Base before training can resume.

10. OPENING OF RANGE: Tasks for opening the range and occupying the site.

a. The unit will have in its possession the approved 350-19-1-E-R, overlays, approved RFMSS Request summary, this concept document, and unit risk assesment worksheet before occupation of Galloway Range. The OIC will call Range Division Alpha Base and request permission to occupy the range complex for which the unit is scheduled. Appropriate overlays will be posted upon arrival.

b. The unit leadership must assign personnel to perform special duties such as road guards and fire fighting details IAW this memo, approved 350-19-1-E-R guard listing and applicable Fort Benning regulations.

11. OIC/RSO Responsibilities:

a. The OIC:

- (1) Controls exercise and ensures weapon systems will only fire at approved 350-19-1-E-R target listing
- (2) Maintains efficient throughput
- (3) Maintains required communications

(4) Calls Cease Fire, notifies higher HQ and Range Division Alpha Base of any incident

b. The RSO:

(1) Supervises all details

(2) Controls the movement of vehicles and personnel

(3) The weapons system-certified Safety Officer or Safety NCO

(4) Ensures that the crew handles misfires IAW safety regulations

(5) Observes for any safety violations

(6) Performs PCIs prior to each iteration

(7) Supervises MEDEVAC rehearsals with FLA and Medics

(8) Ensures Weapons Systems Remain oriented down range at all times while negotiating the range.

(9) Ensures weapon systems will only fire at approved 350-19-1-E-R target listing.

12. CLOSURE OF THE RANGE:

a. The OIC:

(1) Notifies Range Division Alpha Base that firing has terminated

(2) Debriefs unit personnel

(3) Ensures clearing of the range and training areas follows local regulations and SOP

b. The RSO:

(1) Supervises ammunition and target details

(2) Ensures range facilities have been policed

c. The ammunition NCOIC:

(1) Ensures that only authorized personnel remove munitions from range

(2) Prepares residue certificates required by ammunition supply point

- d. Range Safety Officer (RSO) will brief and ensure compliance on the following task:
 - (1) All Soldiers are safety officers. Anyone observing an unsafe act will immediately call for a cease fire.
 - (2) All weapons will be discharged downrange and within the designated limits.
 - (3) All weapons will remain on safe unless actively engaging a target
 - (4) All Soldiers must practice muzzle awareness and aim their weapon on a target they intend to shoot.
 - (5) If the platoon does not safely complete the blank fire iteration they will be re-trained on the task and will fire another blank fire prior to proceeding to the live fire.

13. Conduct of the Maneuver Live Fire Exercise:

- a. The philosophy and training strategy outlined in Training Circular 7-9 will be followed.
- b. Battalion Commanders will certify each live fire maneuver exercise prior to the unit execution. They will certify the tactical concept of the operation, control measures, and planned fires with regard to the surface danger zone. Battalion Commanders will personally walk the terrain as a part of the certification process.
- c. Cadre leaders will conduct a TEWT to review scenario safety measures and range restrictions. Commanders are responsible to ensure that cadre leaders are certified and trained to standard on tasks, conditions, standards specific to the training event.
- d. Each participating soldier must be qualified and zeroed with the M16/M4, M203, M249 SAW, and M240B gunners must be qualified on the weapon system.
- e. Each maneuver live fire will be preceded by a dry fire and blank fire. Each live fire exercise conducted under limited visibility must be preceded by a daylight dry, blank, live fire, and a blank fire at night.
- f. The live fire phase of the exercise may only be performed after the standard has been met and an after action review has been conducted for the blank fire.
- g. All soldiers must have participated in the entire dry and blank fire before participating in any portion of the live fire.
- h. Live fire exercises will not deviate from the blank fire exercise scenario.

- i. The level of supervision required on the range is two levels above the level of the unit receiving the training (Battalion Level). Company Commanders and First Sergeants will be present for all maneuver live fire exercises.
- j. Body armor vests and helmets of a type appropriate to the unit (Kevlar or Ranger Body Armor) will be worn by soldiers and cadre during maneuver live fire exercises.

14. EXECUTION OF THE EXERCISE:

- a. General. The 2-11 IN Regiment, will be conducting a LFX on Galloway range in four (4) phases:
 - (1) Zero
 - (2) Reconnaissance
 - (3) Assault
 - (4) Counter-Attack

(1) Phase One- ZERO

In the event that a Soldier needs to zero his weapon OIC/RSO will ensure that the Zero event is the only scenario that will be run during that time. No training or personnel will be allowed down range while Zero is taking place. The Zero firing line is located at the 300m KD/Marksmanship firing line. The right side is GA 0090 7748 and the left side is GA 0090 7739 (see enclosure for location). Zero targets will be placed 10m or 25m W of firing line. Personal that are not zeroing their weapon will not move west of the road behind the firing line. Soldiers will file by the ammo point and be issued the required amount of ammunition then proceed to the zero firing line. After targets are in place and down range is clear, Soldiers will move to their firing point on command. After the command to lock/load is given Soldiers will identify their target and engage their zero target when told to do so. Once all Soldiers have completed firing they will be told to lock and clear their weapon. A cadre/saftey will ensure that all weapons are clear before anyone moves down range to check their target. Once all weapons are confirmed clear Soldiers will leave their weapons at their firing positions and move down range to check their targets. Once all targets are checked and Soldiers move back to their firing positions, (cadre/safties will ensure down range is clear) the command to lock/load will be given. Soldiers will then reload their weapons and engage zero targets in the same manner as described above. When all Soldiers are zeroed and all weapons have been confirmed cleared by a cadre/saftey all personal will move back to the ammo point at the base of the tower and turn in all un-used ammunition. When down range is confirmed clear of all personal by the OIC and NCOIC and all Zero targets are removed, Soldiers will then move into the PLT LFX.

(2) Phase Two- Reconnaissance

Phase Two begins after Soldiers have been issued the required amount of ammunition from the ammo point and then the entire platoon will assemble in a security halt in the small open area located just south of the southern gravel range access road located at (GA 0118 7741).

Students will be in full protective equipment (eye pro, ear pro, IBA, ACH, gloves, knee/ elbow pads) and be given the command to “lock and load their weapons”. Closed bolt WPNs will have a round chambered, WPN on safe. Open bolt WPNs will not have a round chambered, the bolt will be in the forward position, a belt of ammunition will be placed on top of the feed tray , and the feed tray cover will be closed. M203 will only be loaded just prior to their engagement. At this time the student platoon leader will depart on a leader’s recon. The leaders recon element will move north-west of the security halt, over the southern gravel road for approximately 150m, remaining west of the eastern dirt mound. Just south of the northern gravel range road, the leader’s recon element will turn west for approximately 150m and establish a support by fire position one (SBF1) located VIC (SIT-1 to PC-A). After observing OBJ Iron and Gold the student platoon leader has the option of engaging targets on OBJ IRON or IAW Phase Three (see Phase Three below). On command, M4, M249, and M240B weapons can be fired from SBF1 at targets located on OBJ IRON (Target Set One: SIT-5, SIT-6, SIT-7, MIT-1 and SAT-1). These WPNs can be fired from both the bipod and tripod position.

SBF1 has a right limit of fire of 280 Degrees marked by target RF-17. The Left limit of fire of 248 Degrees marked by target MIT1 located on the South side of OBJ IRON. A cadre member will be located with each crew served WPN to ensure proper target identification, engagement, shift/ cease fire commands are heard/ acknowledged, and followed. This ends Phase Two.

(3) Phase Three-Assault

After SBF1 element(s) is/are emplaced, the student platoon leader moves back along his infiltration route to the south east and links up with the security halt. The platoon will then move west, then south west hand railing the southern gravel range road for approximately 200m. Cadre will ensure the movement does not push more than 50m into the woods to the south of the southern gravel range road in order to avoid possible UXO in this area. Once the patrol nears the second paved turn-pad VIC (GA 0100 7722) it will halt temporarily. At this time SBF1 will initiate firing at OBJ IRON with a left limit of fire of 248 degrees and a right limit of fire of 280 degrees engaging Target Sets One (SIT5, SIT-6, SIT-7, MIT-1 and SAT-1) and Two (RF-17 and RF-19). Pyrotechnics (artillery simulators/ hand grenade simulators) may be thrown by cadre using gloves at a specific location near to, but no closer than 30m from SBF1 IOT simulate indirect fire. Indirect fire will also be simulated on OBJ IRON using Hoffman devices. At this time the student platoon will cross the southern gravel range road between the two paved turn pads and move generally west for approximately 300m (to PL RED) on a 275-285 degree azimuth towards OBJ IRON . The platoon will remain north of the southern paved range road but not extend more than 50m north of the paved road at all times. At a minimum, cadre will move with the student platoon leader and the lead fire teams (maneuver element) IOT properly confirm/ maintain positive control of the direction, speed, halting, communications, and other actions of the maneuver element. As the maneuver element reaches PL RED IVO 0069 7727 they will halt in place and the platoon leader will signal SBF1 to shift fire north of OBJ IRON to Target Set Two (RF-17 and RF-19) with a left limit of fire of 270 degrees and a right limit of fire of 280 degrees. Target Set One will be lowered at this time.

After cadre confirms SBF1 has shifted fire SBF2 will be established at MSD2 (0065 7733) and engage targets on OBJ IRON (Target Set 3: SIT-5, SIT-6, SIT-7, SAT-1, RF-25, RF-26) with a

left limit of fire of 280 degrees and a right limit of fire of 310 degrees. The maneuver element will continue moving west hand railing the southern paved road until it nears the most western paved turn pad VIC GA 0057 7728 (PL BLUE). Before the maneuver element crosses PL BLUE, SBF2 will cease fire on TGT Set 3. After cadre confirms SBF2 has ceased fired and cleared weapons the maneuver element can then move North-West toward OBJ IRON (315 Degree azimuth) and establish SBF3 at MSD3 (GA 0052 7736) and engage targets on south 1/2 of OBJ GOLD (Target Set 4: SIT-11, SIT-12, SIT-13, SAT-3, MIT-3, MSD-7) with a left limit of fire of 250 degrees and a right limit of fire of 270 (40mm 310) degrees. At this time SBF1 will cease fire and confirm with maneuver element safeties. As the maneuver element passes behind SBF3 they will start to engage targets on OBJ IRON (Target Set 5: RF-25 and RF-26) with a left limit of fire of 300 degrees and a right limit of fire of 330 degrees. As the maneuver element reaches RF-25 and RF-26 (Target Set 5 is lowered as maneuver element is within 10m) SBF4 will be established and engage the same targets as SBF3 (Target Set 4) with a left limit of fire of 240 degrees and a right limit of fire of 257 (40mm 295) degrees. The maneuver will mechanically breach a wire obstacle then enter and clear targets in the trench, south to north with a left limit of fire of 270 degrees and a right limit of fire of 330 degrees. SBF4 will cease fire when the breach is open and follow the maneuver element into the trench. Phase three ends once the trench is cleared.

(4) Phase Four- Counter-attack

This phase begins with students establishing SBF5 line on SIT-7 to SAT-1 and MSD-3. Once the student occupy SBF5 (SIT-7 to SAT-1) Target Set 6 (North 1/2 of OBJ GOLD: SIT-14, SIT-15, MIT-4, SAT-5, RF-30, RF-31, RF-32) will be engaged with a left limit of fire of 235 degrees and a right limit of fire of 272 degrees. The team size element remaining at MSD-3 will engage Target Set 4 (South 1/2 of OBJ Gold: SIT-11, SIT-12, SIT-13, MIT-3, SAT-3, MSD-7) and will have the same left and right limits they did when they first occupied MSD-3. SBF5 position can be composed of M4s, M249s and/or M240Bs firing from bipod and/ or tripod. On order Target Set 6 and 4 will be lowered. All open bold WPNs will be locked/ cleared by students, and inspected by cadre. Once this is complete, the platoon will move approximately 100m to the north of OBJ IRON to the T-shaped intersection of the northern gravel range road. At this location, all students will get on-line on a knee facing west and clear all WPNs. Cadre will ensure WPNs are cleared to standard. Once complete, all personal will move east along the northern gravel range road to the ASP to download any excess ammunition and conduct brass and ammo checks and AAR. NOTE: If M240Bs are used on SBF5, they will be moved from SBF1 to SBF5 (SIT-7 to SAT-1) under the supervision of a cadre member. The M240Bs will only be moved with their chambers empty, and bolts forward. A cadre member will be positioned with each separate element for the entire exercise to ensure proper safety.

Official Range Control TGT Set Name Key:

- Target Set One: SIT-5, SIT-6, SIT-7, MIT-1, SAT-1.
- Target Set Two: RF-17, RF-19.
- Target Set Three: SIT-5, SIT-6, SIT-7, SAT-1, RF-25, RF-26.
- Target Set Four: South 1/2 of OBJ Gold: SIT-11, SIT-12, SIT-13, MIT-3, SAT-3, MSD-7.
- Target Set Five: RF-25 and RF-26.

- Target Set Six: North 1/2 of OBJ GOLD: SIT-14, SIT-15, MIT-4, SAT-5, RF-30, RF-31, RF-32.

TGTs inside the trench will be located VIC the following four grids:

- Target 1: GA 0048 7742, Target 2: GA 0047 7742, Target 3: GA 0046 7742, Target 4: GA 0045 7744.

Safety Considerations

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

- 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 MCoE 40-2. Landing zone for MEDEVAC aircraft will be established prior to use and will be marked appropriately. Range Division Alpha Base will be notified in this event. The cease fire will remain in effect until cleared through Range Division Alpha Base.

Weapons/Ammunition Malfunction Reports: When a malfunction is experienced, the OIC/RSO will suspend all firing and immediately notify Range Division Alpha Base. The weapons and all components and ammunition involved will remain in place. The cease fire will remain in effect

until cleared through Range Division Alpha Base. An investigation is required and will be conducted by the ammunition and weapons inspection personnel and DOL.

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

Rehearsals: The "Crawl-Walk-Run" method of training will be the standard for all LFX. A detailed leader's TEWT will outline all range fans, restrictions, and safety considerations. Day/night dry-blank fire exercises will be successfully conducted prior to getting clearance to participate in any live fire exercise (LFX). The day phase will be completed prior to the night phase. The dry-fire, blank-fire exercise and the live fire exercise will have dedicated observer/controller teams.

Signals: Primary means of signaling shift/cease fire will be FM communication. Alternate signal will be colored smoke/star cluster/VS-17. Company Leadership will be with each element to confirm receipt of signals by tactical radios. Emergency cease fire signal will be RED SMOKE/Air-horn held by the SBF and Assault element's evaluators. All signals will be included in the initial safety briefing. Anyone observing any unsafe act can call for a Cease fire.

Encl



CHARLES T. CLIFFORD
CPT, IN
S-3

- a. Range Sketch
- b. Target List Worksheet
- c. Risk Assessment

Galloway Range 2-11 IN PLT LFX W/Trench Clearing (Log #10-12-13) Roadblock List , 12 April 2014

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

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



Cadre Huddle

Range Occupation checks:

- Open Cold code
- Open Hot code
- Target operator RXL/ checks
- ASP set, Porta Johns, H2O, Ice Sheets



Status of Pre-fire checks

- Gates checked
- RSO updated daily risk assessment
- Safety brief, rehearse immediate./ remedial action
- All pax inspected for complete PPE (ACH, eye/ ear pro, IBA w/ plates, gloves, knee/ elbow pads)
- Blanks – BFAs, mags, CO/ 1SG present
- Sims- masks, eye pro, bolts, mags
- Live- BFAs, bolts, mags, zero'd, down range cleared. Rd guards set, Medics RXL'd

LFX Lessons-learned

Sustain:

- cadre at all critical safety friction points: SBF, Lead TM, PL, Intermediate SBF, entrance to trench, exits of trench, at each new SBF.
- redundant MACOM coms with tower
- separate MACOM net for STX training

Improve:

- Individual Soldier discipline inside trench. S: Single stack
- Use more IDF to cover leaders recon
- Balancing speed and control/ safety on assault via shift/ cease fire PACE plan

Basic Range Limits:

SBF: Initial: Left: 248 Right:280
Shift Fire: Left: 270 Right:280

ASLT: Dir of Assault: Initial Movement: 285 Deg. Trench Assault:350 Deg.

SBF2: Left: 280(40mm 275) Right: 310

SBF3: Left: 250 Right: 270(40mm 310)

SBF4: Left: 240 Right: 257(40mm 295)

SBF5: (SIT1-SAT7) Left: 235 Right: 272
(SBF3) No Change

Breach Sec ENG: Left: 300 Right: 330

Emergency Cease Fire Signals: Carried by PLT Trainer,1SG, and SBF Cadre

P: MACOM

A: Red Star Cluster

C: Red Smoke

E: 40 degrees in front of troops

General: No ISTD Students on belt fed WPNs. All pax zero'd on WPNs. Same PAX fire live as did on blank. Everyone is a safety.



Key Leader Learning Points



Conduct TLPs: 4. (1) d. define constrains (scheme of mar.

-6. b-c. complete recon. Map, LDRs, RAVEN (SBF, ASLT, Breach)

-7. a-c. Complete Plan. Adjust plan on recon. (IDF TGTs, TRPs, Scheme of maneuver)

2 Integrate Indirect Fire: 3. a. ID TRPs, b. ID enemy positions, f. develop graphic tool/ direct fire control measures: initial, shift, cease. (echelon/ EA tool)

3 Conduct Support by Fire: 16. a-f. move to/ occupy SBF tactically. 17. LDR positioned in best spot to control SBF. 19 a-d. suppress, destroy ENY, shift, cease fire. 23. reconsolidate/ reorganize.

4 Conduct Tactical Movement: 3. b. analyzes situation/ enemy COAs/ WPNs capabilities. 13-15. LDR controls formation type, movement techniques IOT make contact w/ smallest element/ best maintain control, security, speed.

5 Breach an Obstacle: 1. LDR maintains situational awareness. 3. TLPs to task organize by support, assault, breach elements . Plans for SOSRA.

6 Conducts Consolidation and Reorganization: 1. LDR maintains situational awareness. 2. LDR confirms friendly/ enemy situations 6. Occupies hasty positions. a(3) mans key WPNs, c. recons OBJ area, d. establishes local security, g. re-establishes COC, h. re-establishes COMs. 7. LDR designates sectors of fire. 8. LDR adjusts units positions to cover AOA/ best support adjacent units (OBJ GOLD). 10. LDR reports to higher HQ. 11. LDR supervises redistribution of ammo

9-Line MEDEVAC

Line 1: Location _____

Line 2: Call Sign _____

Line 3: # of Patients _____

Line 4: Special Equip _____

Line 5: Type of patient _____

Line 6: Type of injuries _____

Line 7: Method of _____

Marking pick-up site _____

Line 8: Nationality / Status _____

Line 9: Terrain / Weather _____

PLT LFX BRIEF

Agenda

- Range overview
- Concept of the operation
- Scheme of Maneuver (walk-through)
- Sustainment

Range overview

- ASP
- Medics
- Porta Johns, Water,
- Primary LZ / Alternate LZ
- AAR / Terrain Model
- Concurrent training area
- Assembly Area
- SBF
- OBJ Iron

Concept of the Operation

- Briefed off graphics

Scheme of Maneuver

- Conduct Walkthrough

Coordinating instructions

- Building will not be cleared period.
- CHANGE OF MISSION BACK TO THE AAR TENT
- BUDDY CHECK M4's
- CADRE CHECK Crew Served Weapons
- Magazine turned immediately after TRN. No students allowed back at rucksacks until LFX is complete

Sustainment

- SAFETY
 - PCC/PCIs for all PPE
 - 1 NCO w/ SBF, 1 NCO w/ local SBF (at the "choke point"), PSG w/ PSG, CPT w/ PL, 1 NCO with lead fire team.
 - Cease fire Plan (All shift fire, lift, and cease fires are verified / confirmed by Cadre)
 - Proper firing techniques (Aim down sights)
 - Misfire procedures
 - UXO

Training conducted prior to lane execution

- Students (zero and qual weapon systems, TM LFX, SBF LFX, PLT STX, dry and blank rehearsals)
- Leader (targetry rehearsal, CO walkthrough, cold and blank rehearsals)
- Concurrent training (TLPs, Support by Fire, Bounding by fire team, Platoon Attack, Enter and Clear a Trench)

Service Support cont.

- Hot Plan
 - Gov will be located on site w/ ice sheets, CLS bag, and litter
 - Ice sheets on OBJ and SBF (in "off-limits" blockhouse, TGT Pit)
 - Hand Immersion trainer will be set-up to allow students to cool-off after each interation
 - Body temperature of 101* and above require medical attention
 - *if in doubt Ice sheet
 - Ensure H2O intake
- Cold Plan
 - Body temperature below 95* will require medical attention
- Road Guard Plan (2x gourds with radio during LFX)
- MEDVAC Plan
 - FLA on site (2 medics) monitoring MACOM
 - 1 medic moving with assault element
 - Life limb or eyesight will call E-911 and establish HLZ
 - Primary HLZ Red Smoke and VF-17 panel
 - Alternate HLZ Red Smoke and VF-17 panel
 - AXP
- ASP procedures
 - Blank and live separated (Ammo NCOIC)
 - All "red" magazine accounted for prior to AAR
- AAR Procedures
 - AAR ran by PSG and CPTs as primary facilitated by CO / 1SG
 - Squad Trainers as alternates

Command and Control

- Student PACE
- P- FM
- A- Star
- C- Smoke
- E- Runner

- Cadre PACE
- P- MACOM
- A- RED Starcluster
- C- RED Smoke
- E- 40 degrees from frontline trace

- Admin Communications Plan
 - Tower- Motorola, MACOM
 - Cadre- MACOM
 - Students- FM
 - Road guards- MACOM
 - Medics- MACOM

GENERAL SAFETY

- Weapons Loading – Weapons will be loaded in the ORP except for M203.
 - M4/M16 will be loaded into a Red status (Magazine in ,round in chamber, weapon on Safe)
 - M249/M240B will be loaded into an Amber status (chamber clear, bolt forward, ammunition belt on Feed Tray, Feed Tray Cover closed, weapon on Fire)
 - M203 will only be loaded into a Red status just prior to firing (40mm round loaded in launch tube, weapon on Safe).

- Cadre Responsibilities – Cadre will continually monitor student weapons posture and orientation.
 - Cadre will monitor students for signs of Hot or Cold weather injury.
 - Cadre will ensure students adhere to the Range Limits and Fire Control measures for Cease and Shifting of fires.

- Cadre Safety Requirements - 1 Cadre per Fire Team
 - SBF1 – 2 Cadre
 - SBF2,3,4 – 3 Cadre, 1 per position
 - SBF5 – 6 Cadre, 2 per berm
 - Breach – 1 Cadre
 - Trench – 3 Cadre

- Weapon Zero - Zero and PLT LFX cannot take place at the same time. A PLT can not be executing any part of the LFX while someone is Zeroing. Once the students finish zeroing, the PLT then can conduct LFX prep and firing.

- Targetry - If any Target Sets are raised during the wrong step Immediate Cease Fire

- Ammunition - Blank and Live ammunition will NOT be issued at the same time
 - Cadre will conduct an ammunition shake down between Blank and Live Fire and again after Live Fire
 - Students will only draw ammunition for their assigned weapon
 - Students will NOT be issued Live ammunition if the Blank Firing Adapter is still on their weapon
 - All unexpended ammunition will be turned into the Ammo Point immediately following the iteration

SPECIFIC SAFETY NOTES

▪ Weapons Loading

- All weapon loading will be monitored by Cadre
- Students on open bolt weapons will receive re-training on Load, Unload, and Immediate Action prior to each iteration. (Dry, Blank, Live)

▪ SBF1

- _Cadre will ensure students adhere to the range limits for that position
- _Cadre will confirm shift (PL RED) and cease (PL BACK) fire with Cadre moving with the Assault elements
- _Cadre will ensure that only Target Set 2 is engaged after the Shift Fire
- _Cadre will physically check that open bolt weapons are cleared and that remaining weapons are on safe when the cease fire is called
- _Cadre will move with the Weapon Squad from SBF1 to SBF5, and then monitor the loading of the M240B's at the final Position

▪ SBF2

- Cadre will ensure students adhere to the range limits for that position
- _Cadre will confirm cease fire with Cadre moving with the Assault elements
- _Cadre will physically check that open bolt weapons are put back into Amber status , M203's are clear and remaining weapons are on safe when the cease (PL BLUE) fire is called

▪ SBF3

- _Cadre will ensure students adhere to the range limits for that position
- _Cadre will Ensure that No personnel move north of SBF3(MSD3) (PL BLACK) until SBF1 Cease Fire is Confirmed
- _Cadre will physically check that open bolt weapons and M203 are cleared and remaining weapons are on safe prior to the PLT executing the tactical withdrawal

SPECIFIC SAFETY NOTES CONT.

- Breach Security Engagement
 - Cadre will Ensure that No personnel move north of SBF3(MSD3) (PL BLACK) until SBF1 Cease Fire is Confirmed
 - Cadre will ensure students adhere to the range limits for that position

- SBF4
 - Cadre will ensure students adhere to the range limits for that position
 - Cadre will confirm cease fire when Breach Team opens lane in the wire obstacle
 - Cadre will ensure that student weapons are on safe and oriented in a safe direction while Assault Element moves through the lane

- Trench Clearance
 - Cadre will ensure students adhere to the range limits for that position
 - No targets are presented outside of the Trench at this time. There is No Firing outside of the trench
 - A Cadre member will hand down any open bolt weapon that goes into the trench
 - One Cadre will remain at the entrance to the trench to ensure all students and weapons enter safely
 - The remaining two Cadre will stay out of the trench and move with the students along the West side of the trench to ensure the safe negotiation of the trench clearance
 - Cadre will ensure that No Students or Cadre are on the East side of the trench until it has been confirmed cleared

- SBF5
 - Cadre will ensure students adhere to the range limits for that position
 - There will be a minimum of two Cadre at each of the three SBF 5 berms
 - Cadre will physically check that open bolt weapons and M203's are cleared and that remaining weapons are on safe when the cease fire is called

- Tactical Withdrawal
 - No targets will be presented during the withdrawal
 - Students will move 100 meters to the northern course road , take a knee and orient weapon systems to the west
 - Cadre will ensure all weapon systems are cleared and move to the ammunition point with the students

Terminal Learning Objective: Conduct an Attack (Platoon-Company)

Task: 07-2-9001

Conditions: The unit is conducting operations independently or as part of a higher headquarters and has received an operation order (OPORD) or fragmentary order (FRAGO) to assault an objective at the location and time specified. Unit is located in an assembly area and will provide its own security. All necessary unit personnel and equipment are available. Indirect fire and Close Air Support (CAS) are available. Unit has established communications with required headquarters/units at all echelons and digital connectivity via the Army Battle Command Systems (ABCS), if equipped. The unit has received guidance on the rules of engagement (ROE). Coalition forces and noncombatants may be present in the operational environment. Unit may also have specific Mission Instructions, such as a peace mandate, Terms of Reference, and a Status of Forces Agreement (SOFA). Civilians, government agencies, nongovernment organizations, and local and international media may be in the area. Some iterations of this task should be performed under METT-TC conditions that aid or limit performance.

Standards: The unit conducts the attack IAW the unit SOP, the order, and or higher commander's guidance. Unit moves tactically from the assembly area to the line of departure (LD) and then to assault, support, or breach positions using the appropriate formation and technique. Unit provides supporting fires. Unit suppresses enemy forces on or near the objective, assaults the objective to destroy, capture, or forces the enemy to withdraw. Unit complies with the ROE, mission instructions, higher headquarters order, and other special orders. Unit treats local inhabitants with respect.

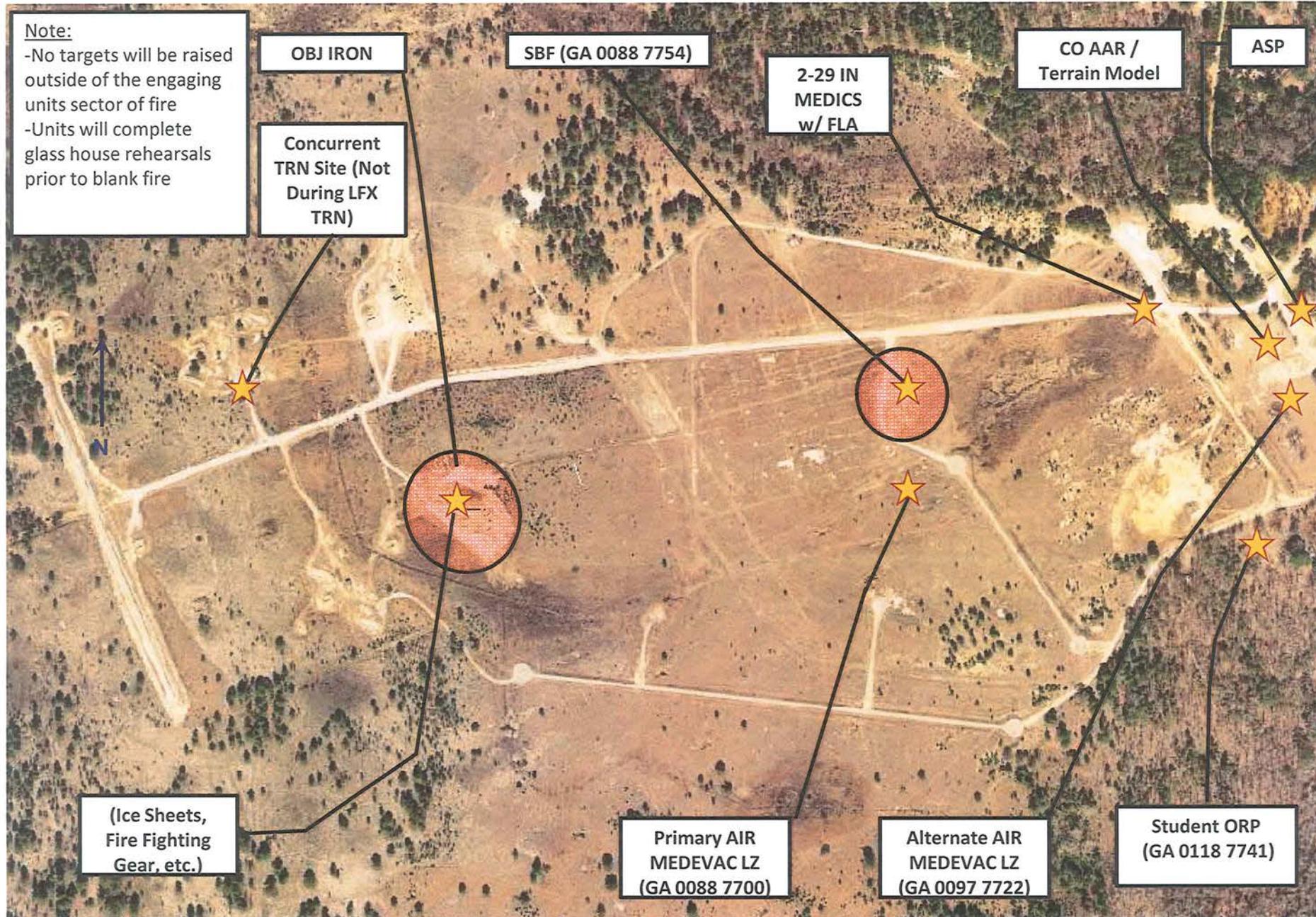
Terminal Learning Objective: Conduct an Attack (Platoon-Company)

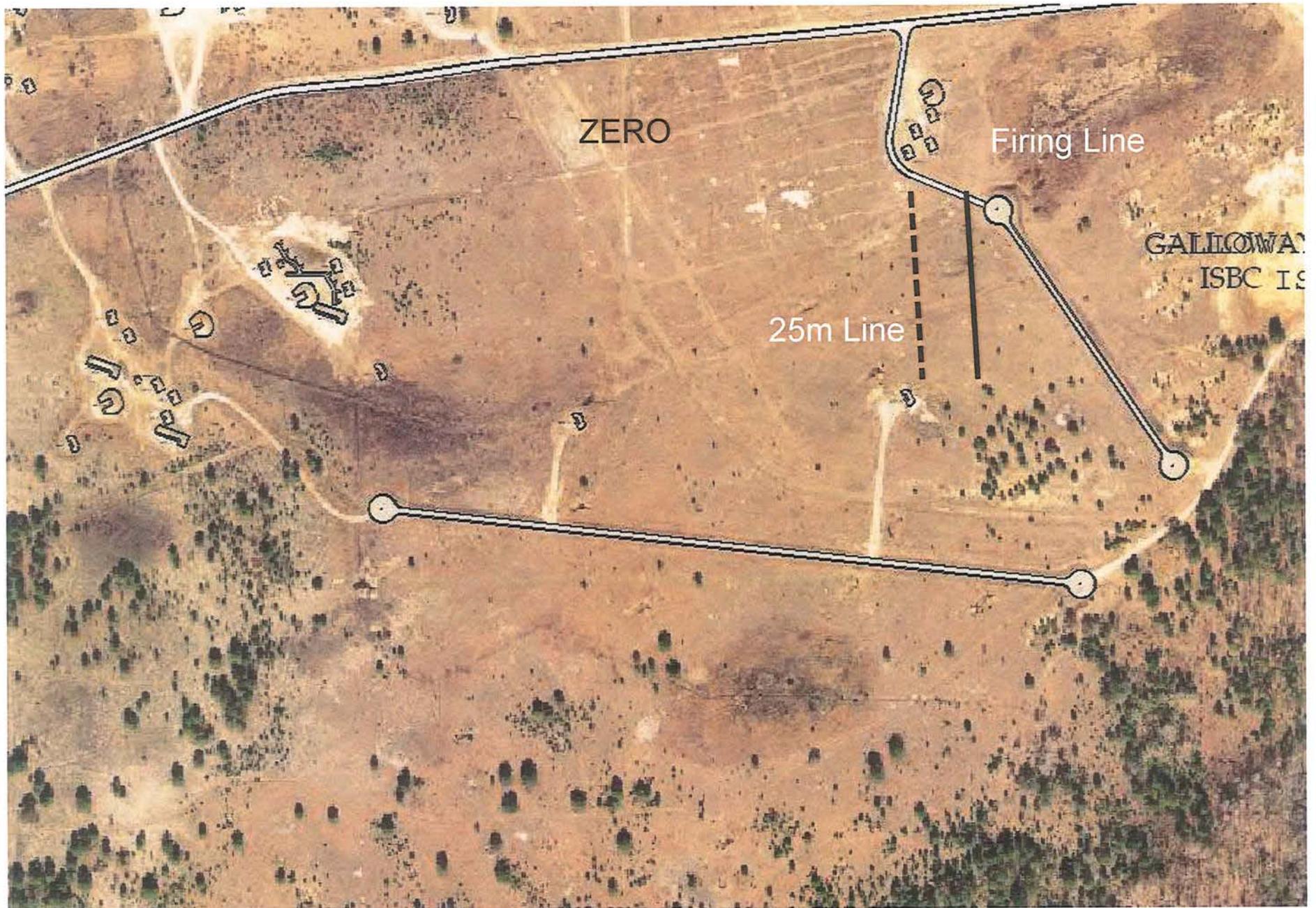
Task: 07-2-9001

Enable Learning Objectives:

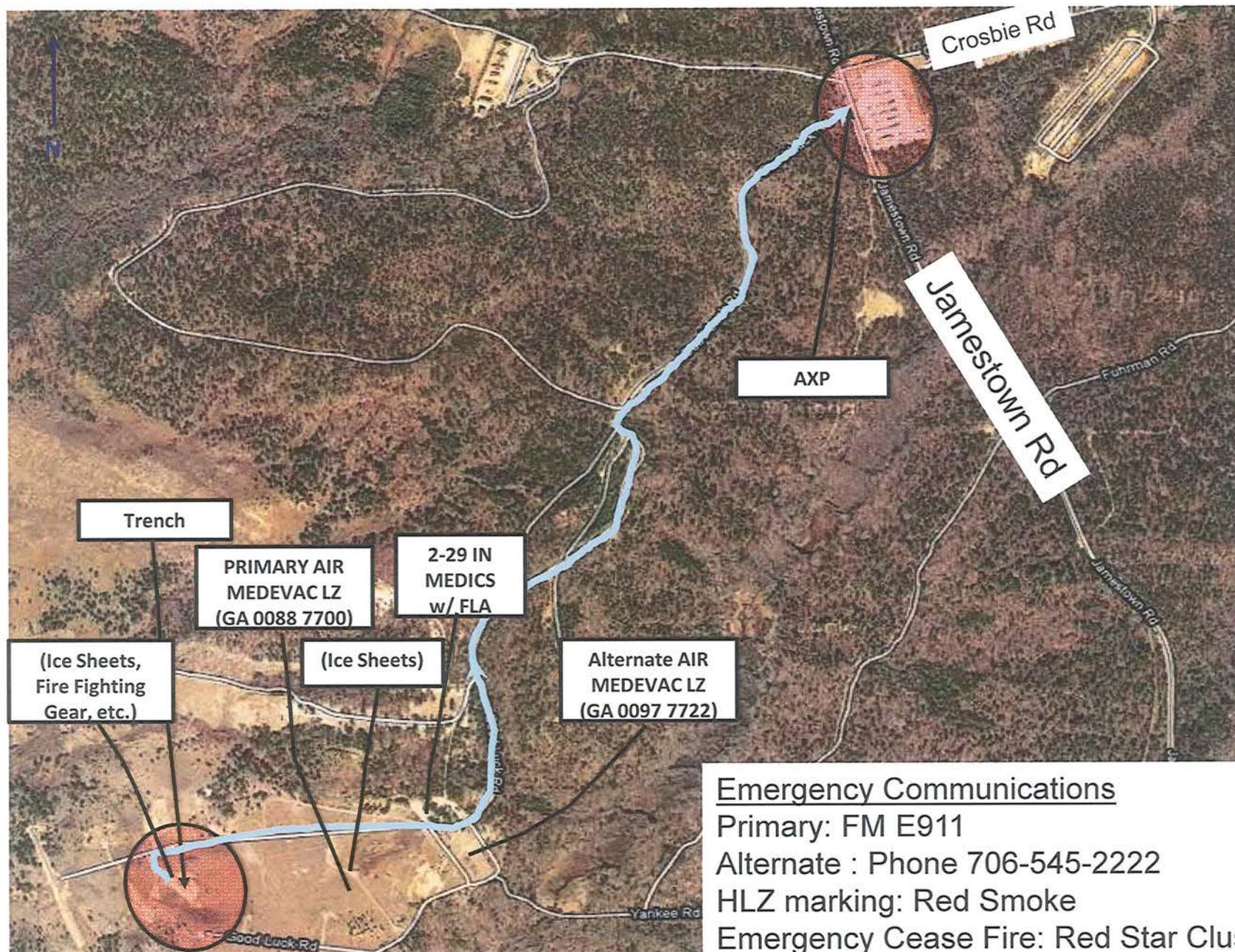
- **07-2-5081 - Conduct Troop-leading Procedures (Platoon-Company)**
INFANTRY: RIFLE COMPANY, INFANTRY BATTALION (INFANTRY BCT) (07417G000)
Conduct Company Operations
(07-TS-2471)
- **07-2-3036 - Integrate Indirect Fire Support (Platoon-Company)**
- **07-2-3000 Conduct Support by Fire (Platoon-Company)**
- **07-2-1342 Conduct Tactical Movement (Platoon-Company)**
- **07-2-1477 Breach an Obstacle (Company/Platoon)**
- **07-2-5027 Conduct Consolidation and Reorganization (Platoon-Company)**

PLT LFX Basic Range Layout



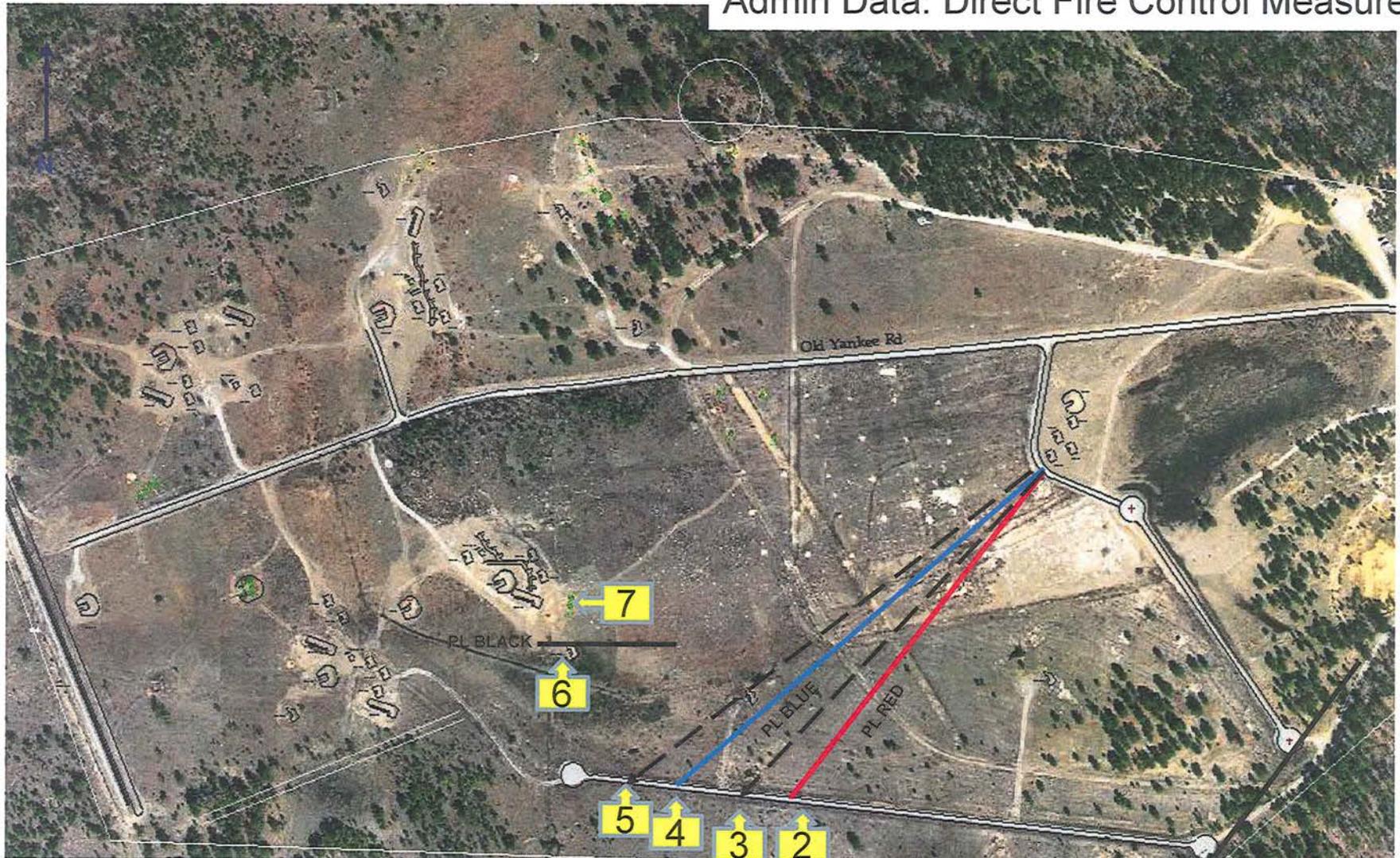


Ambulance Extraction Route. From Trench to AXP



Emergency Communications
Primary: FM E911
Alternate : Phone 706-545-2222
HLZ marking: Red Smoke
Emergency Cease Fire: Red Star Cluster

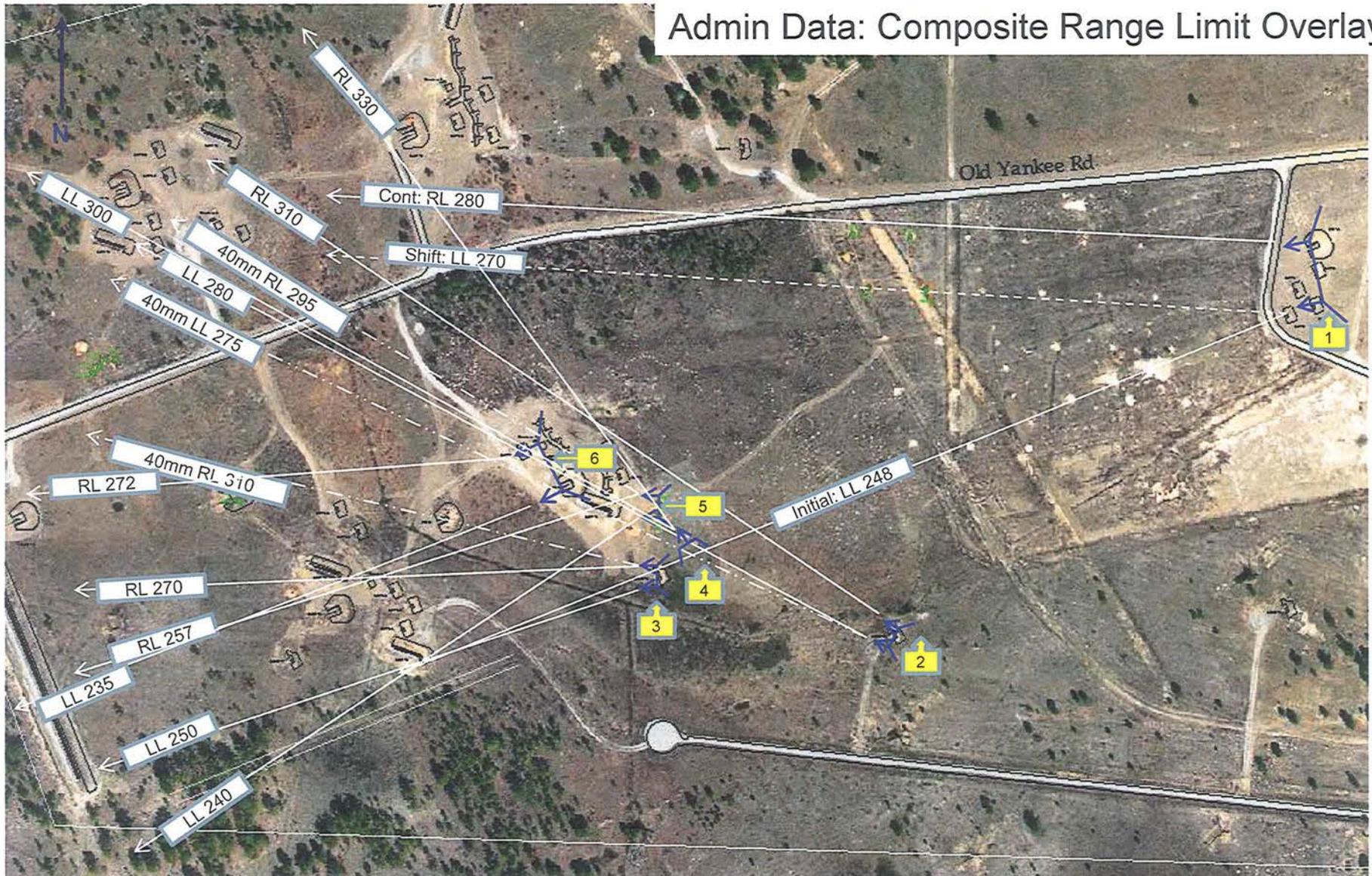
Admin Data: Direct Fire Control Measures



- 1 – PLT LD
- 2 – PL RED Student SBF1 Shift Fire 50 meters prior to NLT Shift Fire
- 3 – NLT SBF1 Shift Fire 210 degrees from SBF1
- 4 – PL BLUE Student SBF2 Cease Fire
- 5 – NLT SBF2 Cease Fire 222 degrees from SBF1 and SBF2
- 6 – MSD3/PL BLACK Cease Fire for SBF1. NO ELEMENTS NORTH OF MSD3/PL BLACK UNTIL SBF1 CEASE FIRE CONFIRMED
- 7 – SBF 4 Cease Fire when Breach Opened in Wire Obstacle

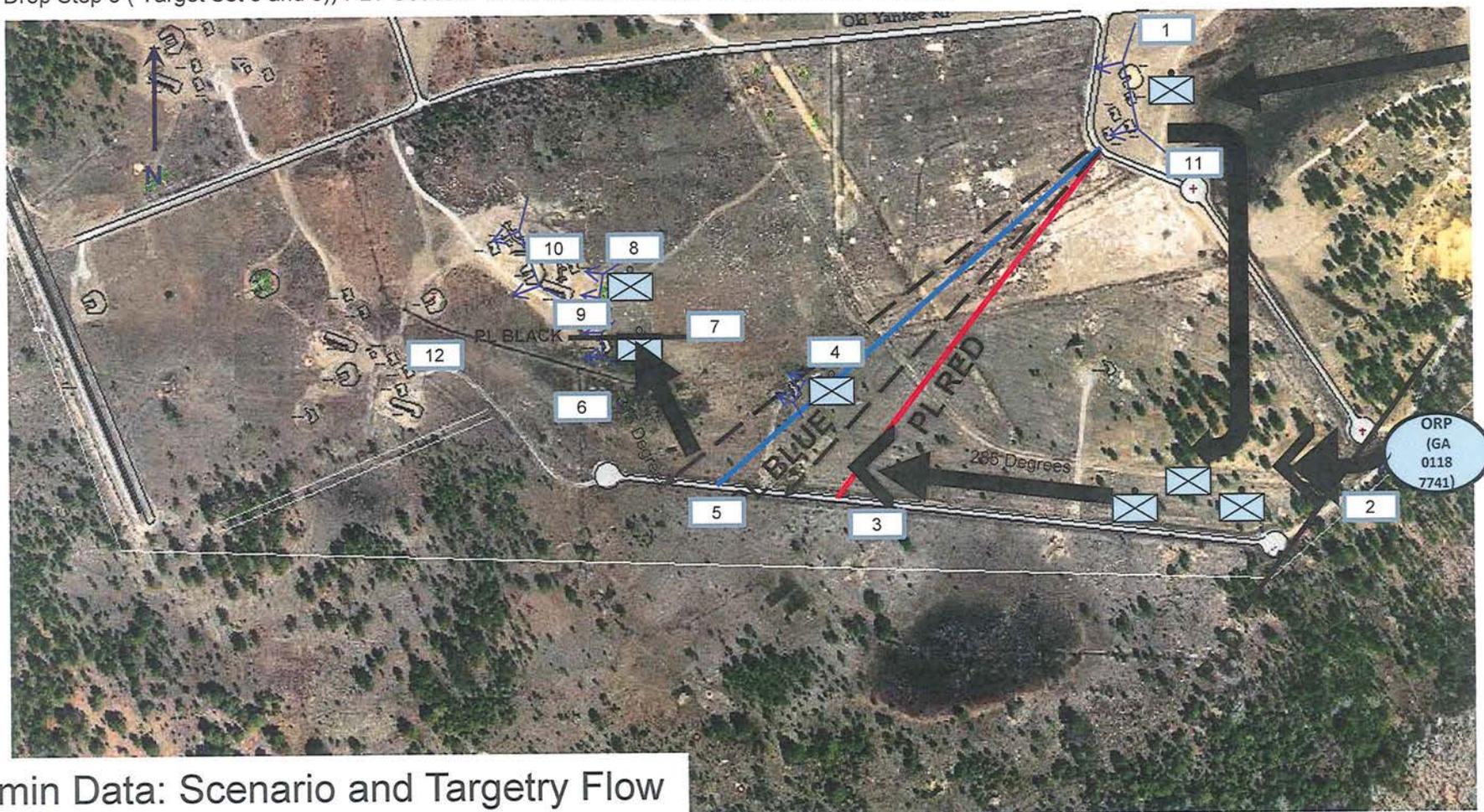


Admin Data: Composite Range Limit Overlay



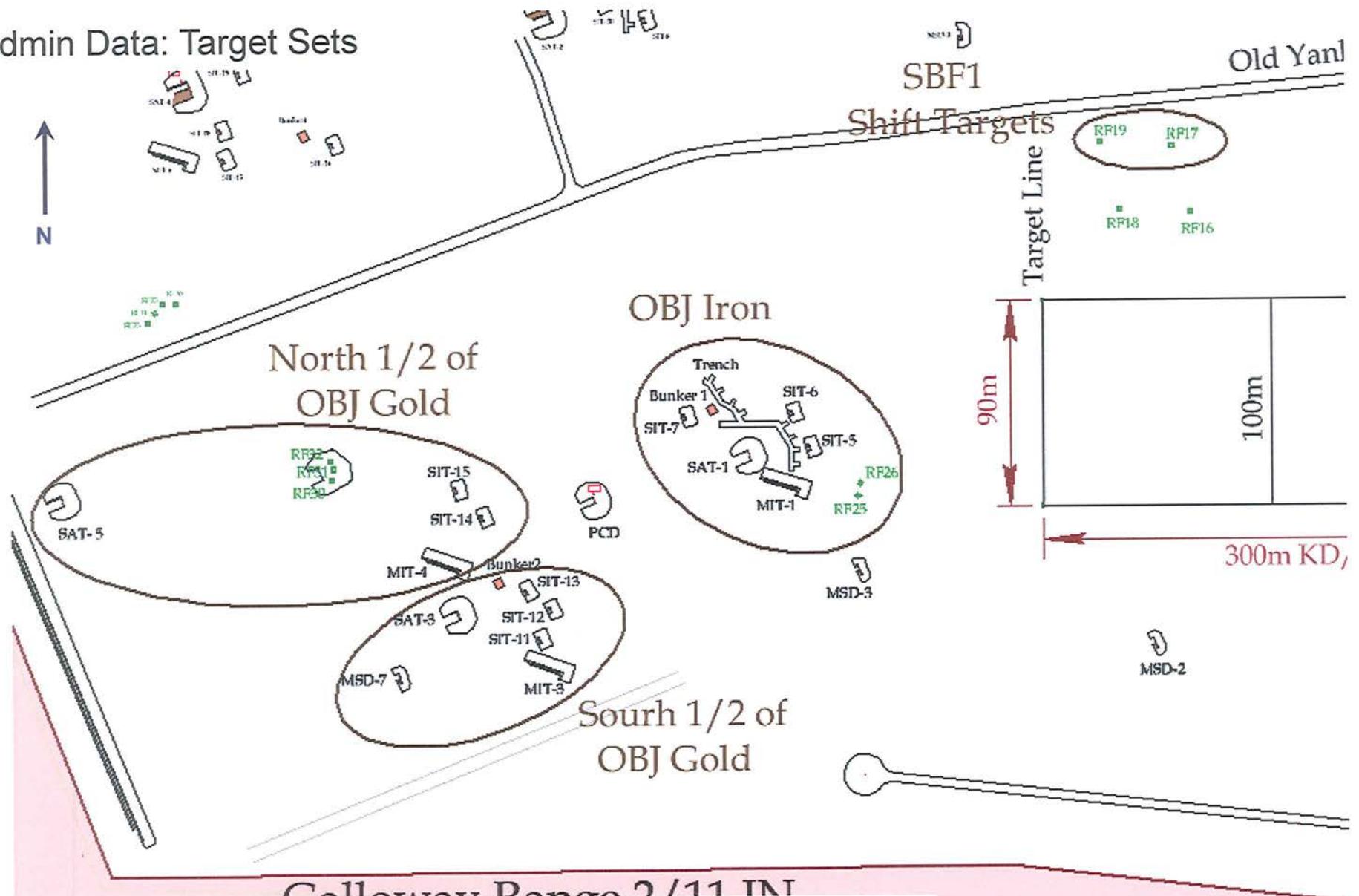
- 1 – SBF1 Right Limit continuous 280 degrees/ Initial Left Limit 248 degrees/ Shift Left Limit 270 degrees
- 2 – SBF2 Right Limit 310 degrees/ Left Limit 280 degrees/ 40mm Left Limit 275 degrees
- 3 – SBF3 Right Limit 270 degrees/ 40mm Right Limit 310 degrees/ Left Limit 250 degrees
- 4 – Breach Security Right Limit 330 degrees/ Left Limit 300 degrees
- 5 – SBF4 Right Limit 257 degrees/ 40mm Right Limit 295 degrees/ Left Limit 240 degrees
- 6 & 3 – SBF 5 North Right Limit 272 degrees/ Left Limit 235 degrees
SBF 5 South Right Limit 270 degrees/ Left Limit 250 degrees (ALL WEAPON SYSTEMS)

- 1 – PL Conducts Leaders Recon and emplaces SBF1
- 2 – PL returns to ORP initiates Indirect Fires and LD with Assault Element (PLT crosses LD Raise Step 1(Target Set 1 and 2))
- 3 – Lead Element at PL RED SBF1 Shift Fire (Drop Step 1 Raise Step 2 (Target Set 2))
- 4 – SBF2 emplace (Raise Step 3 (Target Set 3))
- 5 – Lead Element at PL Blue SBF2 Cease Fire (Drop Step 3 (Target Set 3))
- 6 – Assault move at a 315 degree azimuth and emplaces SBF3 (Raise Step 4(Target Set 4) Drop Step 2) SBF1 Cease Fire
- 7 - Breach Security Crosses PL BLACK Raise Step 5 (Target Set 5) Breach Security engages targets (Drop Step 5 (Target Set 5) after element makes 2 bounds)
- 8 – Breach Security establishes SBF4 and begins to engage the allready exposed Step 4
- 9 - Breach Team opens Breach in Wire Obstacle SBF4 Cease Fire
- 10 – Assault element enters Trench (Drop Step 4 (Target Set 4) SBF3 in overwatch of OBJ Gold, Assault element clears trench from south to north engaging the targets within the trench
- 11 – SBF1 moves to OBJ Iron/ PLT conducts Consolidation and reorganization/ PLT Establishes SBF 5 (Raise Step 6 (Target Set 3 and 6))
- 12 – (Drop Step 6 (Target Set 3 and 6)) PLT Ceases Fire conducts a tactical withdrawal from OBJ Iron



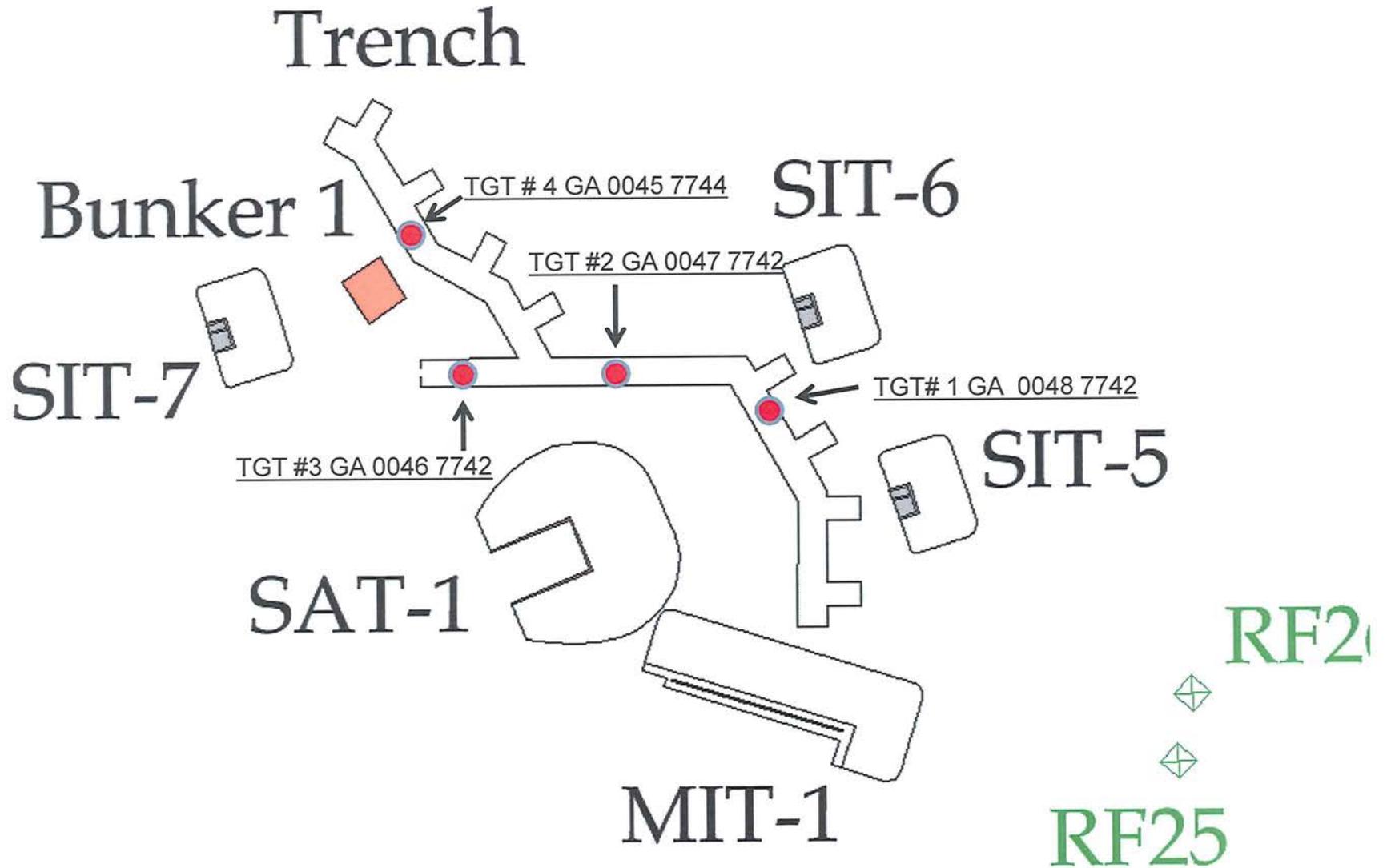
Admin Data: Scenario and Targetry Flow

Admin Data: Target Sets



- 1 – Target Set One: SIT-5, SIT-6, SIT-7, MIT-1, SAT-1.
- 2 – Target Set Two: RF-17, RF-19.
- 3 – Target Set Three: SIT-5, SIT-6, SIT-7, SAT-1, RF-25, RF-26.
- 4 – Target Set Four: South 1/2 of OBJ Gold: SIT-11, SIT-12, SIT-13, MIT-3, SAT-3, MSD-7.
- 5 – Target Set Five: RF-25 and RF-26.
- 6 - Target Set Six: North 1/2 of OBJ GOLD: SIT-14, SIT-15, MIT-4, SAT-5, RF-30, RF-31, RF-32.

Admin Data: Trench Targets



1-Student Direct Fire Control Measures- Initial Actions-On

- **Tactical Considerations:**
 - **Size/ composition of LDRs recon.**
 - (PL, RTO, WSL, FO, WPS SQD, 3 SLs, A TM ASLT 1)
 - (WPNs SQD, WSL, FO stay at SBF)
 - (PL, RTO, 3 SLs, A TM ASLT 1 return to ORP)
 - **Tasks Accomplished on LDRs recon**
 - Pinpoint OBJ (Conf/ Deny imagery accuracy/ plan)
 - ID Key positions/ TRPs to all LDRs
 - PLD (NLT Trigger for 81mm)
 - Cease 81mm / initiate 60mm PL
 - Shift M240B
 - Cease 60mm
 - Cease M240B
 - Assault lane
 - Assault position
 - Intermediate SBF
 - Tentative entrance to trench/ breach site
 - Tentative LOA
 - Confirm signaling PACE (FM, Time, Audio (MGs), Flares, Smoke, Moses Pole.
 - All PLs/ TRPs
 - ID'd with Azimuth + terrain feature
 - Create "sector sketch/ cheat sheet" with all info + triggers + tasks to be completed
 - **Other Considerations:**
 - IDF time of flight, number / type of rounds/ priority of fire, REDs
 - Purpose/ employment of IDF (i.e. suppress OBJ while moving to PLD/ setting in M240Bs)
 - Ammunition for M240Bs (machine gun math)
 - Movement Formation/ Technique (Speed, security, control/ flexibility)
 - Don't "prairie dog" at SBF
 - Use radios to facilitate efficiency of return
- **Admin Considerations:**
 - No personnel down range
 - All gates check/ locked
 - Gate guards posted
 - FM radio net cleared
 - Safety brief conducted
 - Ice sheets at SBF in TGT pit
 - Uniform: Full Kit, 100% cadre inspections (IBA plates)
 - Cadre with Lead Soldier and PL
 - Ability to physically stop entire formation immediately
 - Cadre with each M240B
 - Confirm shift, cease, cleared
 - Only tripod mounted MGs fire from SBF
 - Open bolt WPNs move in AMBER: Bolt closed, rounds on top of feed-tray cover. (inside trench/ at SBF)
 - ID SBF maneuver box
 - ID location to through artillery sims
 - TGTs up but with no sound = enemy activity on OBJ
- ELOs Supported:
- **Conduct TLPs:** 4. (1) d. define constrains (scheme of maneuver) -6. b-c. complete recon. Map, LDRs, RAVEN (SBF, ASLT, Breach) -7. a-c. Complete Plan. Adjust plan on recon. (IDF TGTs, TRPs, Scheme of maneuver)
 - **Integrate Indirect Fire:** 3. a. ID TRPs, b. ID enemy positions, f. develop graphic tool/ direct fire control measures: initial, shift, cease. (echelon/ EA tool)
 - **Conduct Support by Fire:** 16. a-f. move to/ occupy SBF tactically. 17. LDR positioned in best spot to control SBF. 19 a-d. suppress, destroy ENY, shift, cease fire. 23. reconsolidate/ reorganize.
 - **Conduct Tactical Movement:** 3. b. analyzes situation/ enemy COAs/ WPNs capabilities. 13-15. LDR controls formation type, movement techniques IOT make contact w/ smallest element/ best maintain control, security, speed



2-Occupation of Intermediate SBF

- **Tactical Considerations:**

- Why have an intermediate SBF?
 - Too far to move to breach point/ need risk mitigation
- Risk mitigation for securing intermediate SBF
 - -Shifted 60mm fires North/ West of OBJ
 - Smoke
 - Individual movement techniques (Fire TM smallest moving element (ripple of TL or by buddy team))
- What happens if PL hasn't gotten confirmation of SBF shift/ cease?
 - Execute PACE comp plan
 - Look for evidence of active "SBF Beaten Zone" on OBJ
 - Ultimately, PL must 1. stop assault OR 2. execute (E)mergency of PACE : rely on SBF to cease on their own based on 15 degree rule
 - TTP: Make sure PL starts PACE plan prior to getting to actual TRP/ PL.

– ELOs Supported:

-  **Conduct Support by Fire:** 16. a-f. move to/ occupy SBF tactically. 17. LDR positioned in best spot to control SBF. 19 a-d. suppress, destroy ENY, shift, cease fire.
- 23. reconsolidate/ reorganize.
-  **Conduct Tactical Movement:** 3. b. analyzes situation/ enemy COAs/ WPNs capabilities. 13-15. LDR controls formation type, movement techniques IOT make contact w/ smallest element/ best maintain control, security, speed

- **Admin Considerations:**

- Cadre members with Lead Student , PL, and both M240s to ensure Shift, cease, clearing has been completed
- All TGTs will be dropped prior to entering thick brush / passing Bradley pad
- TGT set 3 only raised after intermediate SBF fully secured with initial sectors of fire assigned
- Cadre member will be posited at left edge/ southern edge of intermediate SBF mound to ensure no student runs from assault position in front of SBF
- Pay special attention to:
 - Wet terrain = falls/ plugged barrels
 - Muzzle awareness in thick bushes
 - Only fire from SBF position

3-Intermediate SBF Set. Breach the trench.

- **Tactical Considerations:**
- SDZs for intermediate SBF
- Risk mitigation for final maneuver to breach site
 - Smoke Individual movement techniques (Fire TM smallest moving element (ripple of TL or by buddy team))
 - Emplace micro isolation team (high/ deep security)
 - TL is part of breach team
 - ELOs Supported:
-  **3 Conduct Support by Fire:** 16. a-f. move to/ occupy SBF tactically. 17. LDR positioned in best spot to control SBF. 19 a-d. suppress, destroy ENY, shift, cease fire.
 - 23. reconsolidate/ reorganize.
-  **4 Conduct Tactical Movement:** 3. b. analyzes situation/ enemy COAs/ WPNs capabilities. 13-15. LDR controls formation type, movement techniques IOT make contact w/ smallest element/ best maintain control, security, speed
-  **5 Breach an Obstacle:** 1. LDR maintains situational awareness. 3. TLPs to task organize by support, assault, breach elements . Plans for SOSRA.
- **Admin Considerations:**
- Drop TGT Set 3 NLT lead student 10 m from breach
 - No TGTs up allows cadre to focus on action in trench
 - Intermediate SBF cadre clearly defines sector of fire. This can be an issue at final LOA if not clearly defined.
- Slow/ safe entry into trench
- WPNs all pointed down range (West)
- No “suppressive fire” at any
- *******TGT Set 1 has been accidentally lifted during TRN: Automatic “Cease-Fire”**

4-Initial Breach into trench

- **Tactical Considerations:**
- SDZs for intermediate SBF
- Risk mitigation for final maneuver to breach site
 - Smoke Individual movement techniques (Fire TM smallest moving element (ripple of TL or by buddy team))
 - Emplace micro isolation team (high/ deep security)
 - TL is part of breach team
- Talk:
 - variable times for grenade fuse = danger in “cooking-off”
 - Proper location to enter trench (center v. flank)
- Wait for dual detonation
- Roll into trench under control (hands on WPN)
- Triggers for follow on assault into trench clearly defined
 - Ex. TL disappear into trench,
- Speed is critical
- PL enters Trench after marked by assault 1 SL
- Moses Pole carrier NOT part of clearing element. Pole must be tall enough to be seen, but manageable enough to be maneuvered around overhead cover
- Command and control is key in the trench
- Shoot at TGTs until they fall
- PL stays 1 element back from front of PLT
- SLs fight SQDs until they can’t continue clearing.
-  **ELOs** Supported:
-  **Conduct Tactical Movement:** 3. b. analyzes situation/ enemy COAs/ WPNs capabilities. 13-15. LDR controls formation type, movement techniques IOT make contact w/ smallest element/ best maintain control, security, speed
-  **Breach an Obstacle:** 1. LDR maintains situational awareness. 3. TLPs to task organize by support, assault, breach elements . Plans for SOSRA.
- **Admin Considerations:**
- Drop TGT Set 3 NLT lead student 10 m from breach
 - No TGTs up allows cadre to focus on action in trench
 - Intermediate SBF cadre clearly defines sector of fire. This can be an issue at final LOA if not clearly defined.
- Slow/ safe entry into trench
- Ensure both GH sims detonate (can through outside trench = less of a problem if dud)
- WPNs all pointed down range (West)
- Special emphasis given to keeping SAWs lateral / under control
- Discuss accidental risks from height of trench walls
- No “suppressive fire” at any time in trench
- Rolling “T” only used if students have proven adequate muzzle awareness. Single stack is preferred
- Cadre will ensure TGTs fall completely from stings. Mitigates additional shooting from follow-on SQDs
- *******TGT Set 1 has been accidently lifted during TRN: Automatic “Cease-Fire”**

7-

4th Trench Engagement

- **Tactical Considerations:**

- Move deliberately through multi-threat areas (intersections)
- Likely reaching manpower issues = create new “add-hoc” team

- **ELOs** Supported:

-  **Conduct Tactical Movement:** 3. b. analyzes situation/ enemy COAs/ WPNs capabilities. 13-15. LDR controls formation type, movement techniques IOT make contact w/ smallest element/ best maintain control, security, speed

- **Admin Considerations:**

- *******TGT Set 1 has been accidentally lifted during TRN: Automatic “Cease-Fire”**

8- Trench Clear. Final SBF 2 established

- **Tactical Considerations:**

- Report "Trench Secured" to Co
- ACE/ Reconsolidate/ Reorganize
- Recon possible SBF positions from inside trench
- Look for non-standard exits from trench (less likely covered by enemy WPNs)
- Use smoke to conceal exit / movements outside of trench
 - 20 seconds for smoke to billow
- Assign new sectors of fire
- Continue SITREPS with higher

- ELOs Supported:



- **6 Conducts Consolidation and Reorganization:**

- 1. LDR maintains situational awareness.
- 2. LDR confirms friendly/ enemy situations
- 6. Occupies hasty positions. a(3) mans key WPNs, c. recons OBJ area, d. establishes local security, g. re-establishes COC, h. re-establishes COMs.
- 7. LDR designates sectors of fire.
- 8. LDR adjusts units positions to cover AOA/ best support adjacent units (OBJ GOLD).
- 10. LDR reports to higher HQ.
- 11. LDR supervises redistribution of ammo

- **Admin Considerations:**

- No shooting inside wooden bunker
- Ice sheets in wooden bunker
- Have SAW securing main exit push outside trench OR orient muzzle at a wall to mitigate ND risks
- Emphasize deliberate / controlled non-standard exit of trench, especially saws, WPNs on safe.
- At least one cadre per SBF element
- Cadre facilitates tactical situation by role-playing Co DO on OBJ GOLD
- SBF is NOT a "spend-Ex" Emphasize fire control, marksmanship, reporting
- *******TGT Set 1 has been accidentally lifted during TRN: Automatic "Cease-Fire"**

9- Trench Clear. New SBF fully established

- ELOs Supported:
-  **Conduct Support by Fire:**
- 16. a-f. move to/ occupy SBF tactically.
- 17. LDR positioned in best spot to control SBF.
- 19 a-d. suppress, destroy ENY, shift, cease fire.
- 23. reconsolidate/ reorganize.

Final Considerations / Lessons Learned

- **Tactical Lessons Learned:**

- Provide materials for proper markings (ex. VF 17)
- Difficulty of the Rolling "T"

- **Admin Consideration Lessons Learned:**

- Eyes where muzzle points
- AAR as a teaching event
 - Stay mostly positive, this is "their first PLT LFX"
- Include RSO in Range Certification Brief
 - Safety, Med-Evac, SBF, Location of Student PSG

- **RXL Lessons Learned:**

- TGTs operable during RXL
- All cadre have range packet
- All equipment on site (ice sheets, TGTs, balloons, Leaders)
- Admin / tactical discussion points at each step
- Mark trench for TGT pole placement
- Create detailed troop to task for real life casualty (Heat and Bullet)
- **TGT 3 mover unreliable**
- Have blank round count = live numbers
- Don't allow student war-gamming with round allocations (ASSLT1. V ASSLT2)



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 May 2014

MEMORANDUM FOR Commander 2/11th IN Bn, Attn: SFC Michael Authur, Fort Benning, GA 31905

SUBJECT: 2/11th IN Bn Platoon Live Fire Exercise at Galloway Range Concept and DRAW Review

1. References.

a. 2/11th IN Bn Platoon Live Fire Exercise at Galloway Range Concept (30 May 14) and DRAW (30 May 14).

b. Army Regulation 385-10, The Army Safety Program, 23 November 2013.

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

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

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

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

g. Department of the Army Pamphlet 385-63, Range Safety, 16 April 2014

h. Army Techniques Publication 5-19, Risk Management, April 2014

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

2. Document received on 20 May 2014.

3. Concur w/comment.

a. RMW. Risk management is to be conducted during the MDMP process and execution; it is to not be used as a rubber stamp and recycled for similar activities.

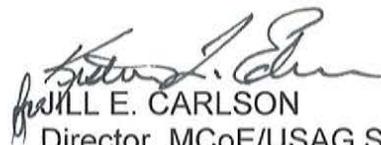
ATZB-SO

SUBJECT: 2/11th IN Bn Platoon Live Fire Exercise at Galloway Range Concept and DRAW Review

b. CONOP, paragraphs 11 & 14, pgs 4 & 6 . All measures found in MCoE Regulation 350-19, paragraph 5-29 (maneuver live fire exercises) must be adhered to. Battalion Commander must walk and certify each exercise, prior to execution, Cadre leaders must conduct a TEWT, all Soldiers must participate in a blank prior to the live fire, and the level of supervision is two level up (platoon → company → battalion).

4. The full implementation of the Army Techniques Publication 5-19, Risk Management and DD Form 2977, is effective immediately. The DD Form 2977 has replaced the DA Form 7566. The mandatory use of the 2977 is predicated upon the attrition of each form renewal, change in the risk approval authority, or document update.

5. 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


WILL E. CARLSON
Director, MCoE/USAG Safety

COMPOSITE RISK MANAGEMENT WORKSHEET

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

1. MSN/TASK Platoon Live Fire Exercise	2a. DTG BEGIN 20140701	2b. DTG END 20150630	3. DATE PREPARED (YYYYMMDD) 20140604
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4. PREPARED BY

a. LAST NAME Arthur	b. RANK SFC	c. POSITION Assistant S3 NCO
------------------------	----------------	---------------------------------

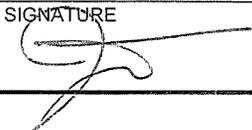
5. SUBTASK	6. HAZARDS	7. INITIAL RISK LEVEL	8. CONTROLS	9. RESIDUAL RISK LEVEL	10. HOW TO IMPLEMENT	11. HOW TO SUPERVISE (WHO)	12. WAS CONTROL EFFECTIVE?
Platoon LFX(Galloway Range)	1. Environmental Considerations	H	Refer to 2-11 IN environmental considerations CRM.	M	IAW 2-11 Environmental considerations CRM.	OIC/RSO/NCOIC/PLT Cadre	
	2. Loud Noises	M	Platoon trainers ensure all students and cadre are wearing earplugs during blank and live fire exercises. Extra earplugs will be brought to the range.	L	1. IAW RSO Safety Brief 2. IAW 2-11 Uniform SOP 3. IAW DA PAM 40-501	RSO/NCOIC/PLT Cadre/ Lane Safeties	
	3. Falls	M	Range safety officer will issue a safety briefing to all students prior to the start of training. Range safety officer will include an orientation of the training area and all PPE will be worn.	L	1. IAW RSO Safety Brief 2. IAW 2-11 Uniform SOP	OIC/RSO/NCOIC/PLT Cadre	
	4. Soldier fatigue and/or lack of alertness	M	1) Students will be given a class in their first week on proper nutrition and the ways to maximize the effectiveness of their caloric intake. All participants will receive a minimum	L	1. IAW 2-11 Safety and Risk Management SOP 2. IAW Tradoc Reg 350-6 3. IAW AR 350-1	PLT Cadre/CDR/1SG	
			of 6 hours of sleep during each 24 hour time period. 2) Platoon trainers will ensure that students consume three meals per day.				
			3) Platoon trainers will ensure that students receive six hours of undisturbed sleep prior to execution of live fire exercise.				

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 Grantz	b. RANK LTC	c. DUTY POSITION Battalion Commander	d. SIGNATURE 
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ITEMS 5 THROUGH 12 CONTINUED:

5. SUBTASK	6. HAZARDS	7. INITIAL RISK LEVEL	8. CONTROLS	9. RESIDUAL RISK LEVEL	10. HOW TO IMPLEMENT	11. HOW TO SUPERVISE (WHO)	12. WAS CONTROL EFFECTIVE?
Platoon LFX(Galloway Range)	5. Negligent Discharge	H	Range safety officer will issue a safety brief prior to start of training. Platoon trainers will strictly enforce weapons safety and class V accountability for the duration of the exercise.	M	1. IAW RSO Safety Brief 2. IAW 2-11 Uniform SOP 3. IAW MCoE Reg 350-19	OIC/RSO//PLT Cadre/Lane Safeties	
			All students and cadre will wear appropriate PPE. All weapons will be visually inspected prior to exiting range or training area.				
	6. Eye Injuries	M	All students will wear eye protection while moving in a field environment or firing a weapon.	L	1. IAW RSO Safety Brief 2. IAW 2-11 Uniform SOP	OIC/RSO//PLT Cadre/Lane Safeties	
	7. Exploding Rounds	M	1) Platoon cadre ensure students receive re-training on load, unload, and apply immediate action procedures when employing the M249/M240B prior to execution of BFX/LFX.	L	1. IAW RSO Safety Brief 2. IAW FM 3-22.68	OIC/RSO//PLT Cadre/Lane Safeties	
			2) Students assigned and qualified on the M249 and M240B will conduct individual and crew drill prior to lane execution.				
			3) Cadre will enforce barrel change criteria.				
			4) Cadre will clear machine gun positions of any live ammunition prior to next iteration.				
	8. Fire/Explosion in Ammo holding area	M	1) Ammunition NCO will clear ammunition point of all flammable material prior to stockpiling.	L	1. IAW Tradoc Reg 700-2 2. DA PAM 350-38 3. IAW RSO Safety Brief	OIC/RSO/Ammo NCO	
			2) Ammunition will be clearly marked and properly stowed.				
			3) A minimum of two 10lb fire extinguishers will be present at the ammunition point.				
			4) No smoking will be authorized within 50 meters of the ammunition point.				
	9. Hand Injuries	L	Students will wear approved PPE while conducting the training event.	L	1. IAW RSO Safety Brief 2. IAW 2-11 Uniform SOP	OIC/RSO//PLT Cadre/Lane Safeties	

ITEMS 5 THROUGH 12 CONTINUED:

5. SUBTASK	6. HAZARDS	7. INITIAL RISK LEVEL	8. CONTROLS	9. RESIDUAL RISK LEVEL	10. HOW TO IMPLEMENT	11. HOW TO SUPERVISE (WHO)	12. WAS CONTROL EFFECTIVE?
Platoon LFX(Galloway Range)	10. Fratricide	H	1) Training Team OIC and platoon trainers validate range operation during scenario validation.	M	1. IAW 2-11 Safety and Risk Management SOP 2. IAW MCoE Reg 350-19 3. IAW AR 385-63	CDR/1SG/OIC/RSO/ Training Team OIC/Cadre	
			2) Platoon trainers conduct range recon prior to training. Training Team OIC, Company CDR, 1SG, BN CDR confirm that target array supports range fans and surface danger zones.		4. IAW approved range packet 5. IAW 2-11 Uniform SOP 6. IAW RSO Safety Brief		
			3) Cadre ensure that all M240B/M249 gunners have completed zero and qualification with all assigned weapon systems.		7. IAW Cadre Huddle 8. Daily Risk Assessment 9. TEWT 10. Rehearsals		
			4) PLT cadre clearly understand all direct fire control measures and range limits for the exercise.				
			5) Weapons Squad perform supervised rehearsals prior to execution of exercise. 6) Students will receive six hours of sleep prior to the execution of the LFX.				
			7) OIC confirms target sets and triggers with the target operators prior to the dry fire. OIC will conduct daily target rehearsals with the target operators and again at shift changes.				
			8) A minimum of two cadre will position themselves at firing points during firing.				
			9) OIC will ensure that dedicated medical personnel and a MEDEVAC vehicle (FLA) are present during live fire training. MEDEVAC driver will have strip map and designated route				
			to a primary and alternate AXP. MEDEVAC driver will drive the routes prior to the LFX. 10) Students will wear approved PPE while conducting the training event.				
			11) Machine Guns will be visually inspected by Cadre prior to coming off the firing line and range.				

ITEMS 5 THROUGH 12 CONTINUED:

5. SUBTASK	6. HAZARDS	7. INITIAL RISK LEVEL	8. CONTROLS	9. RESIDUAL RISK LEVEL	10. HOW TO IMPLEMENT	11. HOW TO SUPERVISE (WHO)	12. WAS CONTROL EFFECTIVE?
Platoon LFX(Galloway Range)	10. Fratricide Cont.	H	12) Platoon trainers will certify all M249 & M240B gunners on load, fire, perform immediate action and clear weapons prior to the execution of training.	M			
			13) All students will complete training on load, fire, perform immediate action, and clearing of their assigned weapons. 14) Cadre will inspect all weapons.				
			15) Blank and Live ammunition will remain separate and only be issued specifically during its respective exercise.				
			16) RSO will confirm targets are placed in proper position prior to each sequence and confirm that no personal are down range prior to lane execution.				
			17) Students will use only mags marked by red tape provided by the ASP. All individual mags will be secured in rucksacks for the duration of training.				
			18) Student mags will be inspected by cadre prior to returning to STX training.				
			19) Students will buddy-clear all M4s and cadre will inspect all belt fed WPNs on-line at the OBJ prior to students leaving OBJ.				
			20) Upon completion of live sequences, students will report immediately to the ASP and RSO will account for all live mags (marked with red tape) and ensure no students have live ammo.				
			21) Cadre will conduct final brass and ammo inspection of all students and individual gear to ensure no live ammo leaves the range.				
	11. Injury from use of Pyrotechnics	M	Cadre wear and use PPE when employing pyrotechnic devices. Simulators will not be thrown within 35 meters of students. Students will wear approved PPE during training event.	L	1. IAW 2-11 Uniform SOP 2. IAW RSO Safety Brief	OIC/RSO//PLT Cadre/Lane Safeties	



RECORD OF ENVIRONMENTAL CONSIDERATION (REC)



Date Submitted: 11/15/2013

EMD Number: 1332207 **Project#:** Unknown **Project Title:** Squad Live Fire Exercise

Description of proposed action:

Units will conduct a blank and live fire exercise at a squad level. Units will bound flank and engage targets using both blank and live ammunition. Pyrotechniques will be used.

Project Location:

Brann, Griswold, Garnsey, Galloway, DMPRC, K36

Amount, Description, Location of Disturbance/Digging:

none

Number of Personnel:

None

Type of Ammunition:

5.56, 7.62, 40mmTP/HE, m67, Pyro live & Blank

Number/Types of Trees:

none

Size of Project Area: N/A

Duration of Action: Start: 11/29/2013 Stop: 9/30/2014

Proponent: justin.albaugh 706-545-7716

Organization/Unit: 3rd Ranger Battalion

Number/Types of Vehicles:

4x Strykers, 4 x HMMV's, 2x Bus

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, 2014

THIS ACTION REQUIRES APPROVAL OF RANGE OPS OFFICER FOR USE OF "HE" ROUNDS

Natural Resources RCW - BRAC Conditions:

Jonathan Neufeldt (706 544 7705), 11/25/2013

See attachment Training Restrictions 1996. See comments from Michael Barron. Keep HE impacts in K15 impact area.

Cultural Resources - Archeological Conditions:

Edward Howard (706 545 1898), 11/19/2013

See attached PDF maps for reference. See "Sensitive Area" signs attachment for appearance of the signs. The project area contains federally protected sensitive sites. These sites may or may not be marked with Siebert stakes placed 20 - 30 meters apart which contain labels warning against ground disturbance. Training may be conducted in these sites so long as it does not disturb the ground (digging, off-road vehicle traffic, etc.) The project OIC is responsible to insure the sites are not disturbed, regardless of whether or not they are marked. They are identified in RED in the attached maps. Additionally, if endangered plants, historic artifacts or Native American artifacts (arrowheads, etc) are encountered here (as in anywhere on the Installation) their removal constitutes theft as well as possible violation of other federal laws. This could result in criminal prosecution. Contact CRM with any questions or concerns. Resubmittal is required if submitted project is modified in any way.

Natural Resources - RCW

Conditions:

Michael Barron (706 544 7080), 11/18/2013

See attached conditions. Note locations of red-cockaded woodpeckers on attached maps. Training restrictions apply. Unit commanders must make sure that all troops know the locations of restricted areas and understand these training restrictions. This is imperative since night training may occur. Boundaries are often hard to see at night, but this is no excuse for violations to occur. Two hour time restriction is for 2 hours once every 24 hour period. Note where digging may not occur. All trenches, fighting positions, etc must be filled in prior to leaving an area. There must be no cutting down or intentional destruction of any pine trees throughout the requested area(s). Units may fire on existing ranges but must make every effort to contain their firing to the established range footprints. Targets may not be moved from their current positions nor may new targets be established without approval via a separate 144R and a site visit with this office. Please note that flanking maneuvers are limited on Griswold Range; minor flanking may occur from west to northeast in pre-approved areas where there are natural backstops. If any bullet damage is noted in the RCW clusters that are on either side of the range, training will be halted until a workable solution can be found. Live fire is limited in the K36 training area to the northeast corner, commonly referred to as the Ranger Objective and from Concord OP. No other live fire is permitted in this compartment, especially in the RCW clusters.

CWA - Training

Conditions:

Leah Ropski (706 626 0492), 11/19/2013

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

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

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

Noise

Conditions:

Ellis Leeder (706 545 2400), 11/18/2013

This is training operations request for training. If there is any operational noise complaints received, the Environmental Management Division Installation Operational Noise Monitoring Program (IONMP) and or Public Affairs Office (PAO) programs will investigate and then recommending operational noise mitigation actions to the appropriate personnel for the training actions. 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 noise abatement areas. 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 CS gas sites. Please visit the Range Operations website to obtain a list of approved weapons per Range or Firing Points. . Leave the training areas, firing range, latrines in a clean condition; contact Range Operations if unclean conditions are found or clean up costs or cleaning endeavors by proponent could occur to last user. 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, range guidance and other materials for your range packet. This 144r must be present at the training site when occupying compartment or ranges.

EMD Number: 1332207

IJO# Unknown

Project Title: Squad Live Fire Exercise

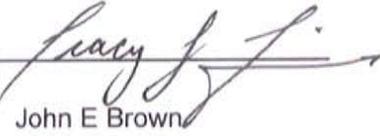
Hazardous Materials/Waste

Conditions:

Carlos Ariasochoa (706 545 1857), 11/18/2013

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 Programs Management Branch. Defective, misfired, or otherwise unserviceable munitions must be managed IAW/MCOE Reg.350-19-5-10, Para 9-2 (Proper management of Misfired munitions). All excess, munitions must be returned to the Ammunition Supply Point after the field exercise is completed. Rubbish, empty containers and other waste (including used smoke/C2 canisters) should be removed from the training area. A dud shall not be removed from the range; it will be marked, called into range control and will be properly disposed of by EOD personnel IAW/MCOE Reg. 350-19, 23 Jul 2010. EPMB provides an 8 hours course covering Hazardous Materials/Waste Management, Hazardous Waste Minimization, Safety, and Pollution Prevention.

Signature



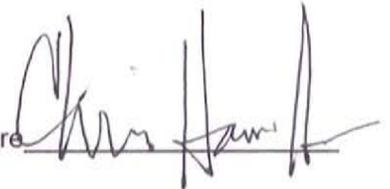
for John E Brown

NEPA Program Manager

Date

25 NOV 2013

Signature



Christopher E. Hamilton, PhD

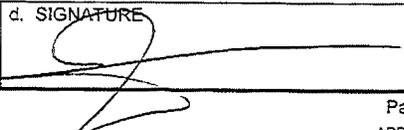
EPMB Chief

Date

25 Nov 13

COMPOSITE RISK MANAGEMENT WORKSHEET

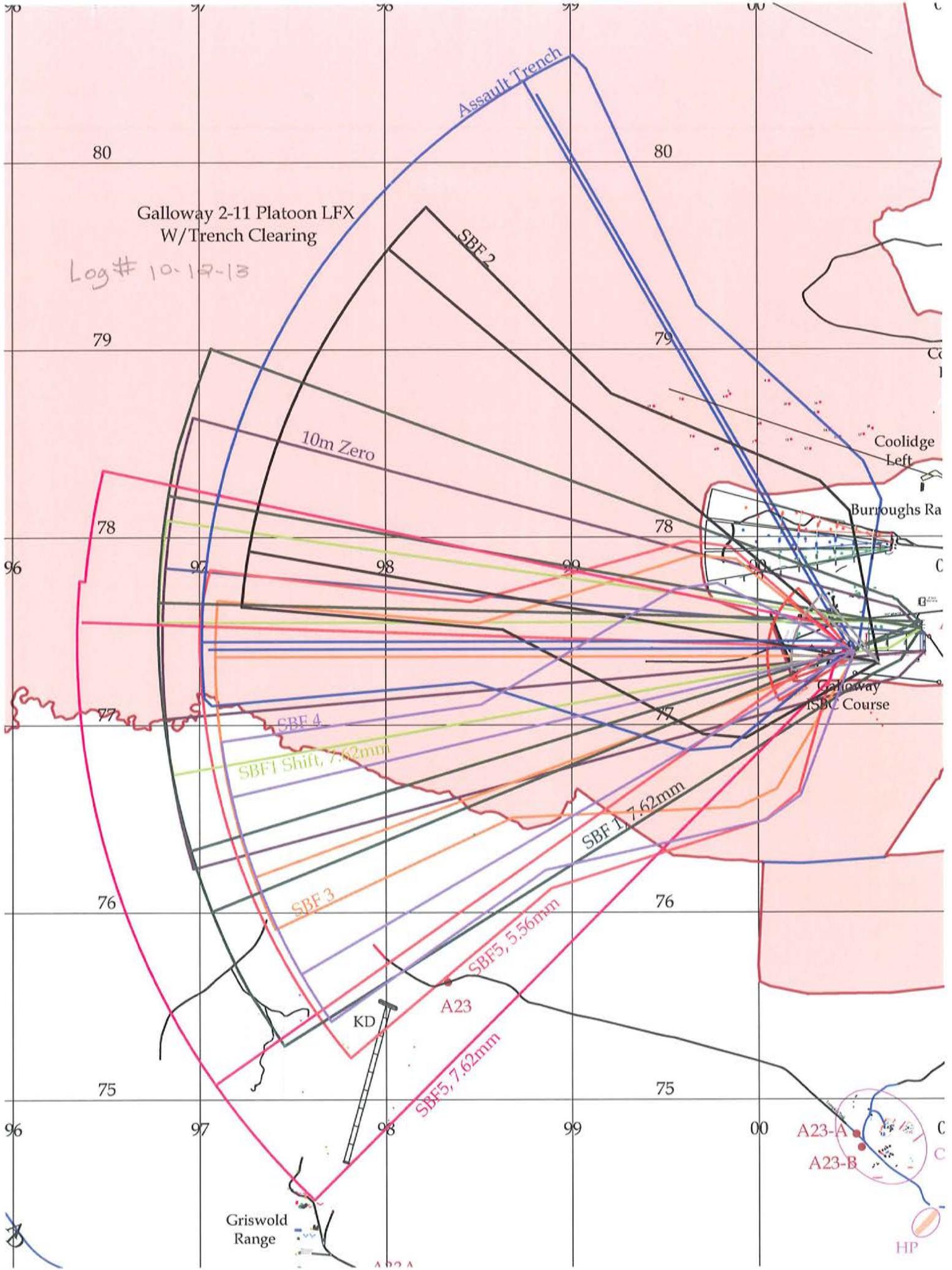
For use of this form, see FM 5-19; the proponent agency is TRADOC.

1. MSN/TASK Environmental Considerations		2a. DTG BEGIN 20131211	2b. DTG END 20141210	3. DATE PREPARED (YYYYMMDD) 20131211			
4. PREPARED BY							
a. LAST NAME Gallagher, James D.		b. RANK CPT		c. POSITION Battalion Operations 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 EFFECTIVE?
Heat	Hot Weather Injuries	H	IAW MCOE Range and Terrain Reg 350-19: 1) The Range OIC will complete a Daily Risk Assessment prior to training. He will ensure that Platoon Trainers assess personnel status and physical condition within their platoons. Trainers must ensure that students consume 3 meals per day prior to training. At a minimum, students need to intake one quart of water per hour. Daily fluid intake should not exceed 12 quarts and hourly intake should not exceed 1.5 quarts. 2) Suspected heat casualties will be immediately ice-sheeted and have their temperature taken with the thermoscan. Initiate MEDEVAC if temperature is 101F or greater. For higher than normal temperatures not requiring MEDEVAC initiate first aid IAW 2-11 Heat Injury SOP. If casualty exhibits mental status change, vomits, or is unconscious, evacuate immediately. IAW 2-11 Heat Injury SOP 3) Each platoon, to include the TOC, will possess a thermoscan in their CLS bag with extra batteries.	M	IAW MCoE Range and Terrain Regulation 350-19 2. IAW 2-11 IN and 199th IN BDE Heat Injury SOP 3. IAW MCoE PM 385-6-12 4. TRADOC Reg 350-29	CDR/1SG/ OIC/ RSO/ Cadre, Buddy Team, Individual	
Additional space for entries in Items 5 through 11 is provided on Page 2.							
13. OVERALL RISK LEVEL AFTER CONTROLS ARE IMPLEMENTED (Check one)							
<input type="checkbox"/> LOW <input checked="" type="checkbox"/> MODERATE <input type="checkbox"/> HIGH <input type="checkbox"/> EXTREMELY HIGH							
14. RISK DECISION AUTHORITY							
a. LAST NAME Grantz, John M.		b. RANK LTC		c. DUTY POSITION Battalion Commander		d. SIGNATURE 	

ITEMS 5 THROUGH 12 CONTINUED:							
5. SUBTASK	6. HAZARDS	7. INITIAL RISK LEVEL	8. CONTROLS	9. RESIDUAL RISK LEVEL	10. HOW TO IMPLEMENT	11. HOW TO SUPERVISE (WHO)	12. WAS CONTROL EFFECTIVE?
Heat	Hot Weather Injuries cont'	H	4) Cadre will ensure that ice sheet coolers and water coolers are readily available during training. 5) One trainer from each platoon will carry a	M			
			CLS bag. Additional CLS bags will be located with vehicles. Cadre must be first responder qualified prior to the training event. "Man down" will be rehearsed prior to training and				
			concurrently. Drills will include ice sheets and evac. Evac will be based off the "cool then call" exercise when a student has a 101F degree core temperature.				
			6) At a minimum, company size elements will carry at a minimum 15-20 ice sheets (this will require at least two coolers), a water buffalo filled with water and the appropriate amount of				
			ice present at the TOC during all training events. All personnel will be encouraged to drink water and stay hydrated.				
			7) All cadre will be rehearsed on the proper procedures for diagnosing, treating, and evacuating heat casualties.				
			8) All cadre will assess the cumulative effects of all training conducted prior to an event. 9) Platoon trainers will adhere to the Work/Rest ratio guidelines given in the GTA 05-08-012				
			(Individual Safety Card) (ex. rest 10-15 minutes every hour). Work/Rest ratio is strictly dependent on temperature/heat category.				
	Cold Weather Injuries	M	IAW MCOE Range and Terrain Reg 350-19: 1) All hazards will be identified and assessed. All personnel will be given a minimum of 14 days for acclimation. Prior cold weather	L	PM 350-6-2 Individual; 2-11 Cold Injury SOP	CDR/1SG/ OIC/ RSO/ Cadre, Buddy Teams, Individual	
			casualties will be identified prior to training and considered high risk. Cadre will maintain constant observation of these individuals				

ITEMS 5 THROUGH 12 CONTINUED:

5. SUBTASK	6. HAZARDS	7. INITIAL RISK LEVEL	8. CONTROLS	9. RESIDUAL RISK LEVEL	10. HOW TO IMPLEMENT	11. HOW TO SUPERVISE (WHO)	12. WAS CONTROL EFFECTIVE?
			2) Water and food will be provided so that personnel can stay hydrated and will have the appropriate amount of calories to stay warm.				
			3) All personnel will take the appropriate measures to stay dry, including packing / carrying enough dry clothes to change into.		Personnel will pack for extended training or inclement weather IAW the 2-11 IN TACSOP	CDR/1SG/ OIC/ RSO/ Cadre	
	Lightning Strike	M	1) Range NCOIC/OIC/RSO will ensure constant monitoring of Range Control net via MACOM which is the primary means for receiving inclement weather alerts.	L	Conduct detailed Safety Brief PM 350-6-2	CDR/1SG/ OIC/ RSO/ Cadre	
			2) Range NCOIC/OIC/RSO will suspend all training during an electrical storm and immediately ground all gear.				
			3) All personnel will be controlled into a designated area of low ground.				
			4) Range NCOIC/OIC/RSO will immediately establish communication with the BN HQs.				
			5) Personnel will remain no less than 5-10m apart and will be authorized to utilize wet weather gear should the conditions allow.				
	Wild Life Stings and Bites	M	1) Range NCOIC/OIC/RSO will include in their safety brief explicit instructions not to interact with any form of wildlife during the execution of training.	L	1. IAW MCOE Range and Terrain Regulation 350-19. 2(a). IAW with 2-11 IN TACSOP	CDR/1SG/ OIC/ RSO/ Cadre	
			2) All personnel with insect allergies will be properly marked to ensure supervision.				
			3) Range NCOIC/OIC/RSO will ensure that the company CLS or on-site medics are				
			to react to an insect allergy and are aware of MEDEVAC procedures.				



Galloway 2-11 Platoon LFX
W/Trench Clearing

Log # 10-12-13

Assault Trench

10m Zero

SBF 2

SBF 4

SBF1 Shift, 7.62mm

SBF 1, 7.62mm

SBF 3

SBF 5, 5.56mm

SBF 5, 7.62mm

KD

A23

Griswold Range

A23-A

A23-B

HP

80

80

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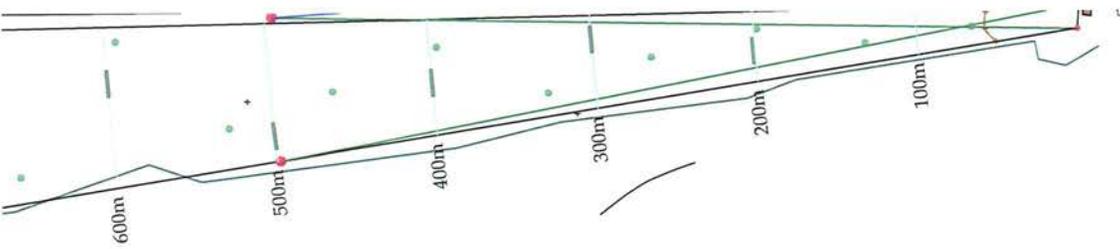
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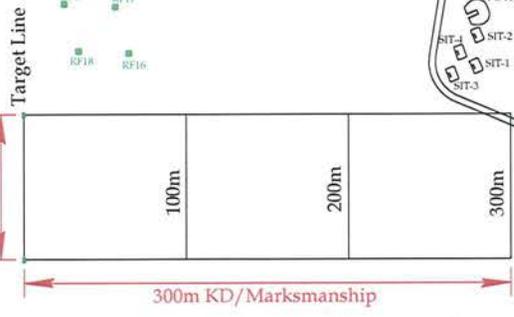
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Targets
FL
25 Zero
SRM ARM

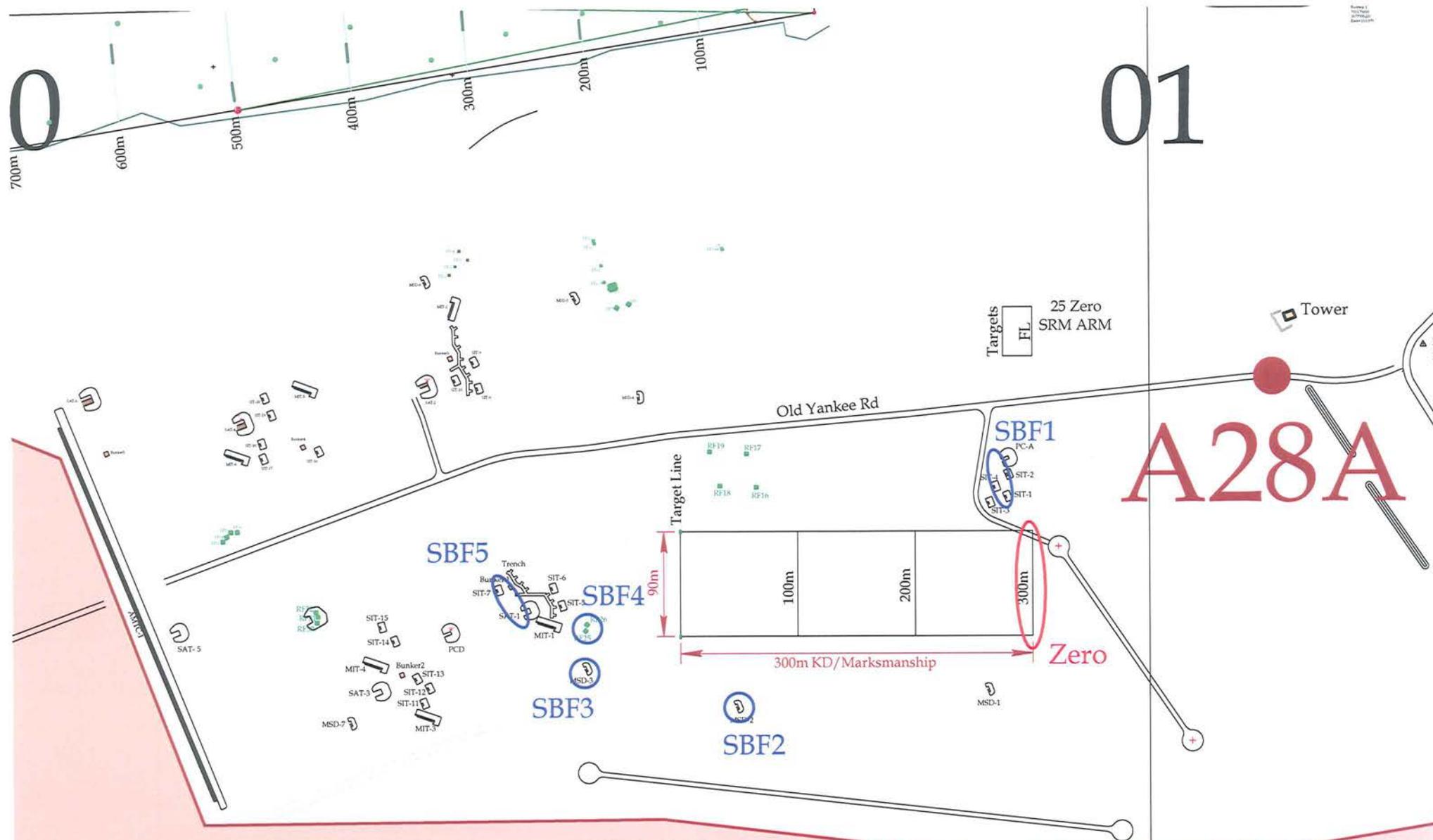
Tower

A28A

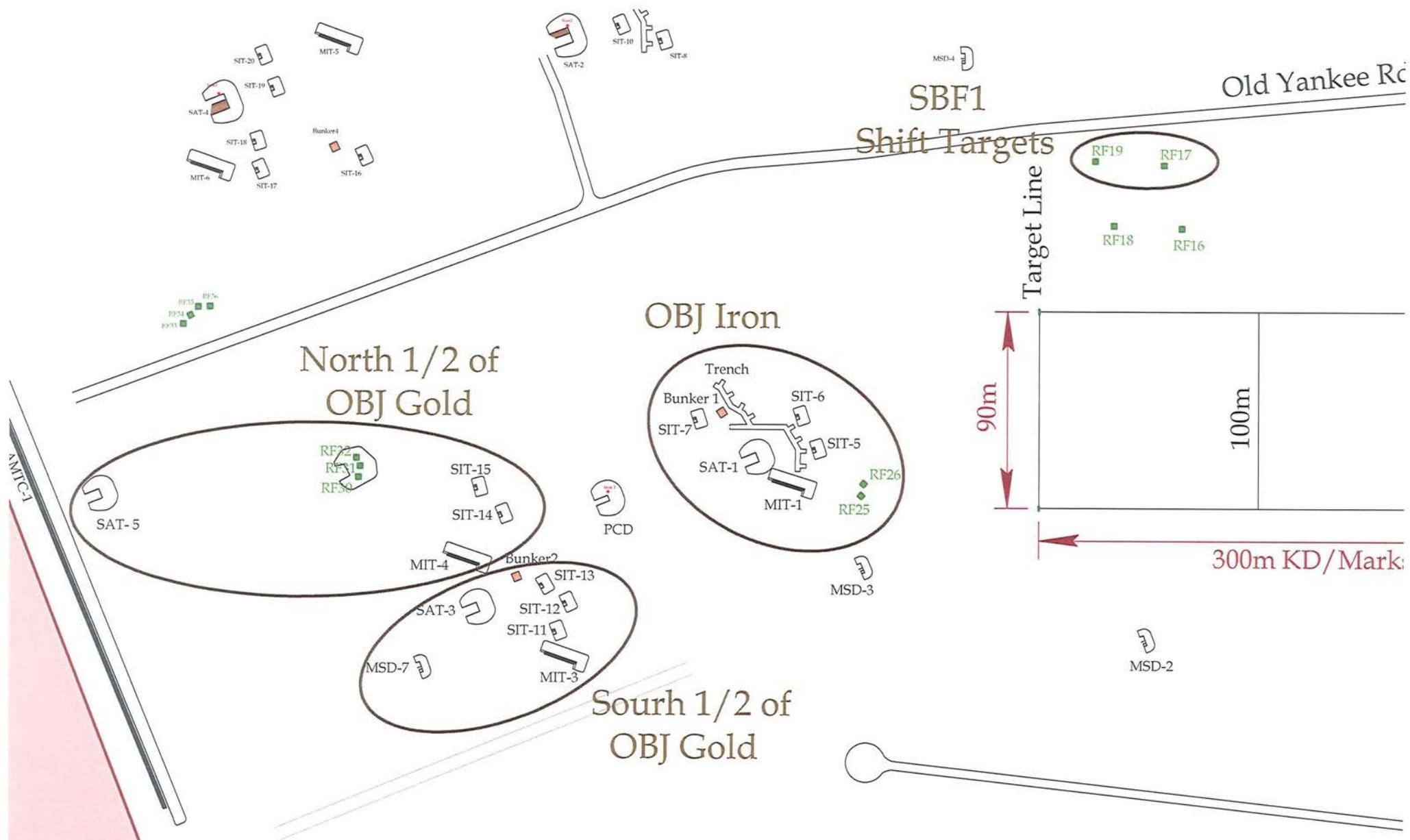
Old Yankee Rd



Galloway ISBC Course



Galloway Range 2/11 IN
PLT LFX W/Trench Clearing



Galloway Range 2/11 IN
 PLT LFX W/Trench Clearing