

RANGE AND TRAINING REGULATIONS

Range: R-407	Lateral Limits: Left from grid 64684 91202 at 305° mag Right from grid 64772 91315 at 327° mag	Min/max Engagement Distance: Min 3 meters (weapon dependent) Max 3,800 meters	Range Facilities: Observation tower, bleachers, port-johns, ammo tables
Location: 6473 9125	Impact Area: Zulu	Troop Penetration Line: Prohibited	Assigned to: CO, MCB
Type: Field Firing Range BZO/EMP	Allowable Wpns: Wpns: Pistols .45 cal and below; Shotguns; Rifles, 50 cal. and below; Machine guns, .50 cal. And below; SMAW; AT-4; Artillery Direct Fire; Mortars; 20mm; M203		Date Revised: 9 April, 2009

Scheduling

All scheduling requests for R-407 shall be submitted via their battalion. Unit will utilize RFMSS to schedule range.

Scheduling Conflicts	R407	Conflict Notes
Zulu Impact	1	Note (1) – Range must go into check fire.
R440	1	

GENERAL INSTRUCTIONS

1. **A safety Brief will be conducted prior to each live fire event to all participants.**
2. IOT occupy this range unit must have the following personnel/equipment:
 - RSO
 - Corpsman & Safety Vehicle
 - Positive Communication with LONGRIFLE
 - **An ORM reviewed and signed by the Command, RSO and OIC.**
 - If ammunition is present on range - Ammo Guards will be armed
3. IOT go into a **hot status** on range unit must have the following personnel/equipment:
 - OIC
 - RSO
 - **NAVMC 11381 filled out by the OIC**
 - Corpsman & Safety Vehicle
 - Positive Communication with LONGRIFLE
4. **RSO will verify the left and right lateral limits utilizing a compass and map.**
 - Overall range lateral limits will be identified.
 - Each firing position lateral limits will be identified.
5. The RSO & OIC will personally observe each live fire event.
6. **A non-participating Corpsman will be stationed with safety vehicle.**
7. **A full rehearsal will be conducted prior to live fire with all safety and training personnel.**
8. **Unit is required mark/post signs for any lateral limits and/or MSLs listed in this brief if not already marked/posted.**
9. **Minimum engagement distances for RETS or PITS targets is as follows:**
 - 25 meters – 5.56mm
 - 100 meters – 7.62mm
 - Use of .50 cal and above is **not authorized** on PITS targets.
 - Use of .50 cal and below (Ball or 4/1 Only) on RETS ranges is **authorized**.
 - Use of .50 cal **RAFUS (A606)** on RETS ranges is **only authorized** on vehicle targets.
 - At no time will any individual climb on top and shoot down into any target berm/box.
 - **At no time will RETS or PITS targets be exposed for more than 30 seconds.**
10. **At no time will any unit go on live fire to blank or SESAMS force-on-force within a 24 hour period**
11. **When Range guards are not in sight of the RSO they are required to be posted in pairs with positive communication with the RSO.**
12. Ammunition will only be issued per event and accounted for on NAVMC 11381.
13. After each event, unit leaders will conduct a line out.
14. Each RSO/PSO will certify to the OIC that all weapons are in Condition 4 prior to exiting the range and all ammunition is accounted for.
15. Helmets and flak jackets shall be worn for the following live fire training events:
 - Live fire and movement/maneuver
 - High explosives or grenades
 - Machineguns
 - Close Quarters Battle in shoot houses
16. Ensure all weapons are cleared and inspected prior to departing the firing line.
17. All weapon malfunctions shall be corrected per the appropriate TM/FM, and unit SOP.
18. Weapons cleaning gear is hazardous waste, and shall not be placed in the trash. The items should be collected and returned to their HazMat representative, or to their local Armory for proper disposal.

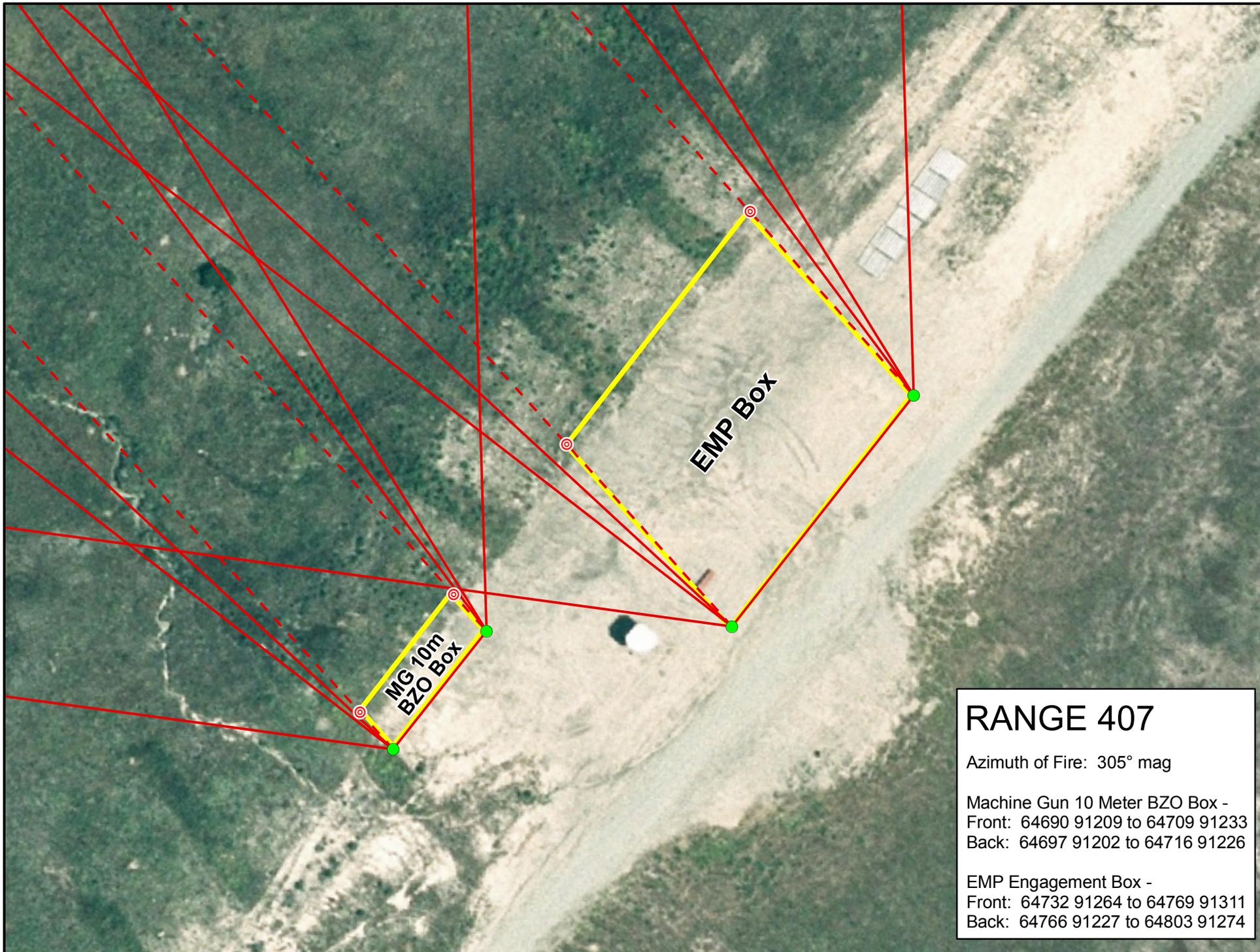
Special Instructions Continued on Next page

RANGE AND TRAINING REGULATIONS

SPECIAL INSTRUCTIONS

1. **Range Gates will be locked or Range guards are required in pairs with positive communication with the RSO on the road at 64594 90999 and 64962 91455 when firing weapon systems with back blast. No traffic/personnel shall enter the range without the RSO's permission.**
2. **CAUTION** – The WHITE/ORANGE MARKERS (jersey barriers) identify the indirect-fire/CAS impact area line and support the fixed-wing CAS release point only. DO NOT BRIEF THEM as the LEFT LATERAL LIMIT marker FOR R-407.
3. Cross-lane firing is prohibited
4. All EMP Training will be conducted within the depicted firing box.
5. For all EMP training
 - a. All EMP targets must be of softwood uprights, cardboard backing paper or cardboard targets.
 - b. Any metal bases used must be soft metal.
6. All M249/M240G BZO and 10 meter qualification will be conducted using pallets set on the field firing line.
 - c. Any engineer stakes used for pallets must be placed on the outside edges of the pallets.
 - d. Firing line will be backed off the target line 10 meters.

Special Instructions Continued on Next page

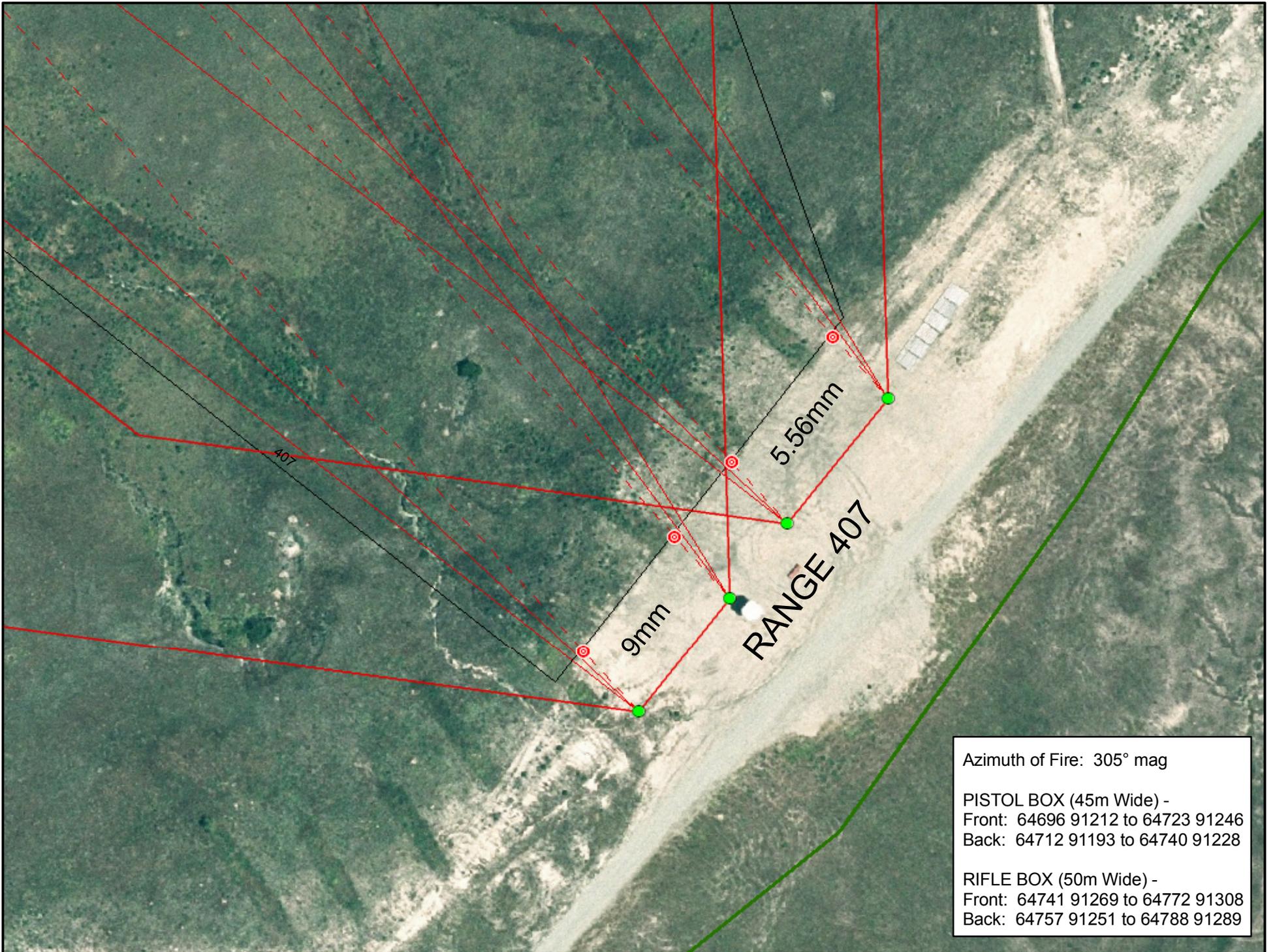


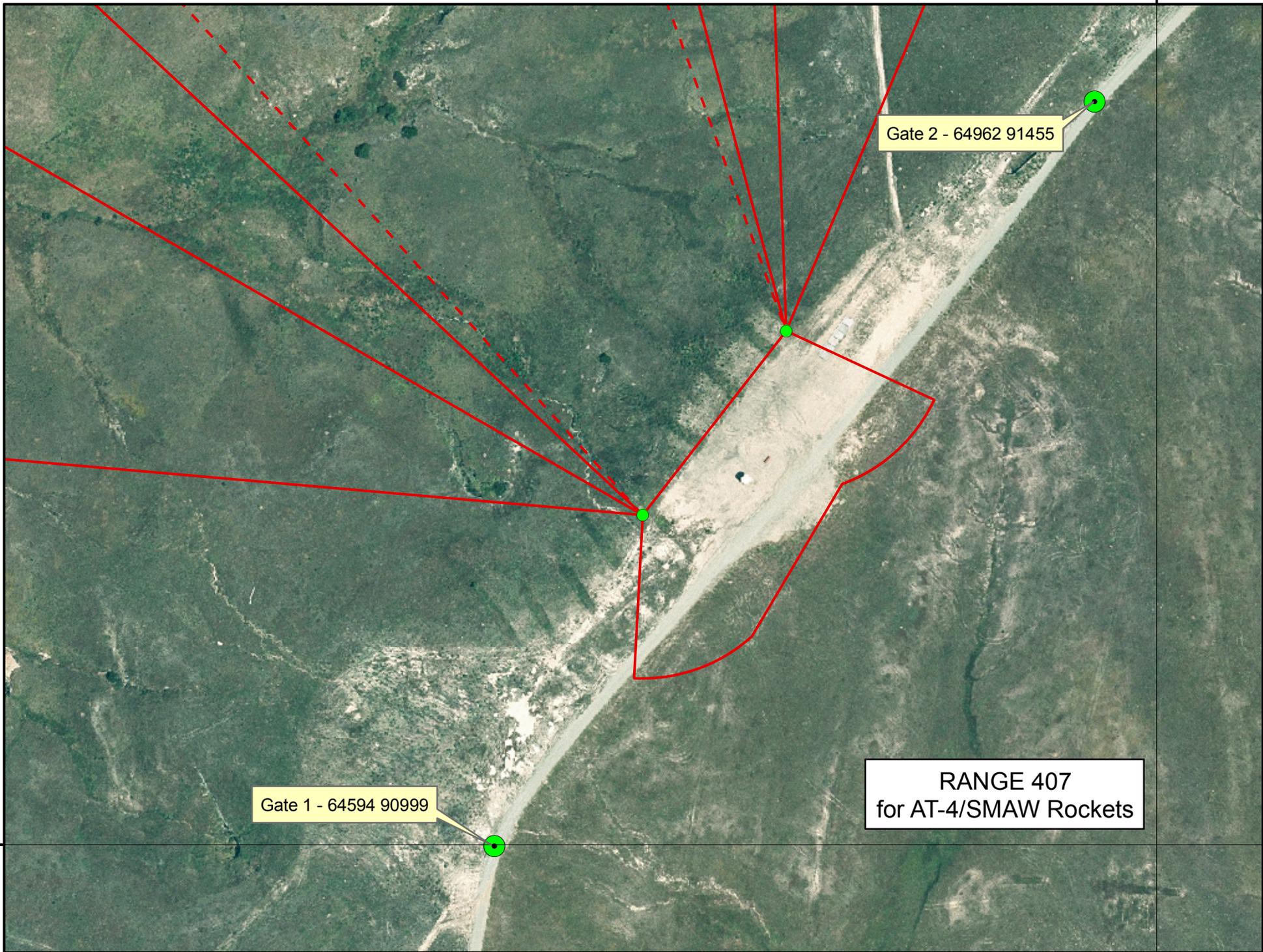
RANGE 407

Azimuth of Fire: 305° mag

Machine Gun 10 Meter BZO Box -
Front: 64690 91209 to 64709 91233
Back: 64697 91202 to 64716 91226

EMP Engagement Box -
Front: 64732 91264 to 64769 91311
Back: 64766 91227 to 64803 91274





Gate 2 - 64962 91455

Gate 1 - 64594 90999

RANGE 407
for AT-4/SMAW Rockets

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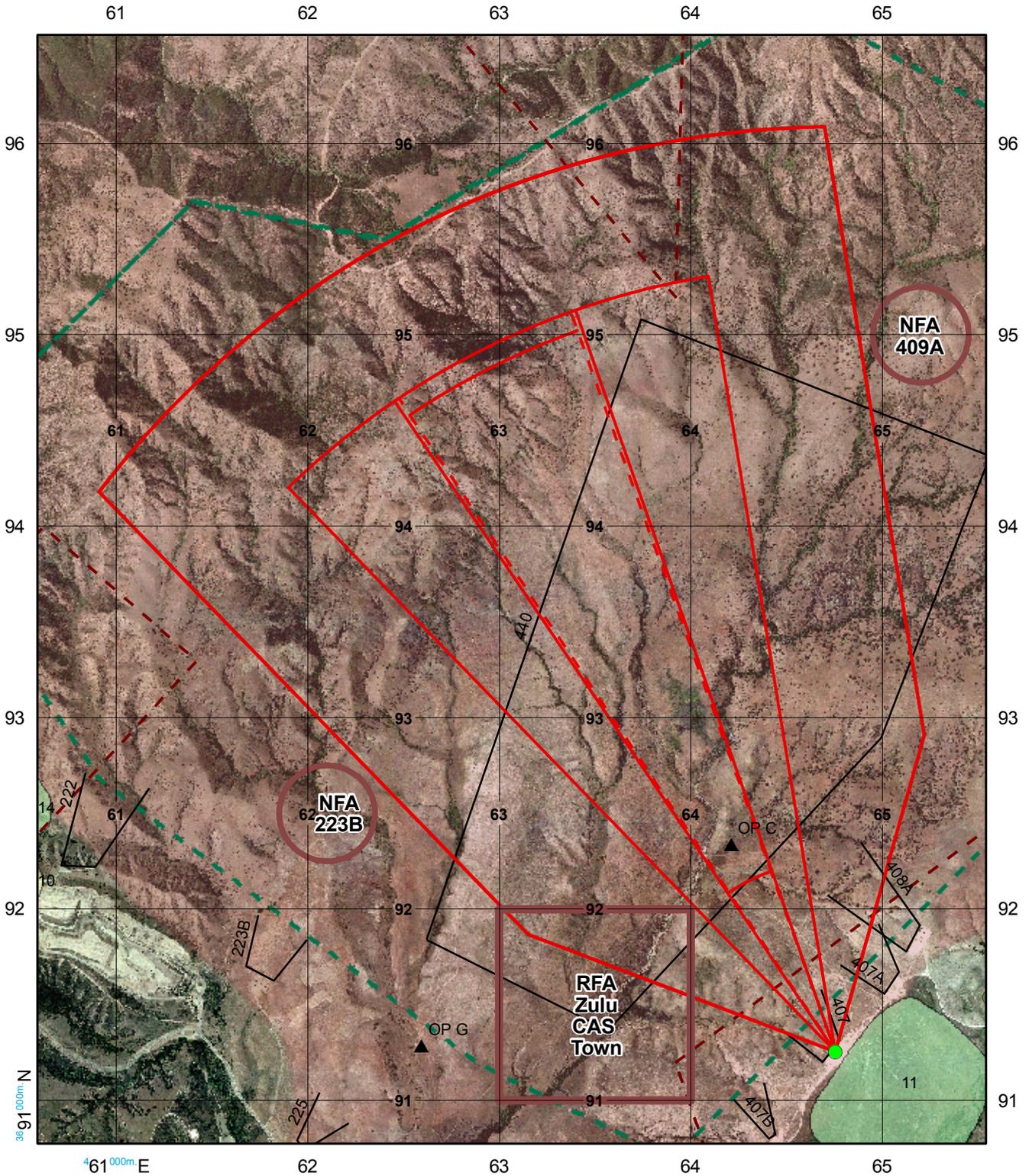
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65 000m E

Weapon Type: ARTILLERY
Weapon Caliber: 155mm:HE M107

Map Scale = 1:30,000



Projectile: HE
 Fuze: PD
 Charge: 7W, 5G, 2L, 4H
 Firing Point: 64755 91255
 FP elevation: 560 ft MSL
 Impact Area: Zulu
 Max Range: 4,000 Meters
 Min Range: 1000 Meters
 Left Lateral Limit: 5800 mils Grid
 Right Lateral Limit 6050 mils Grid
 area a: 725 m
 area b: 725 m

7W
 Min Range Elev: 16.3 mils
 Max Range Elev: 79.7 mils
 5G
 Min Range Elev: 37.9 mils
 Max Range Elev: 182.1 mils
 2L
 Min Range Elev: 25.9 mils
 Max Range Elev: 130.6 mils
 4H
 Min Range Elev: 11.0 mils
 Max Range Elev: 52.3 mils

Range 407

Direct Fire Only

Approved safety card, data card, SDZ, & signed ORM must be on hand to conduct training.

RFA Zulu CAS in effect.

Terrain mitigation provides adequate separation of Zulu & Whiskey Impact Areas.

Created By: E.Evans, R. Miller
 Approving Authority: J. Vaineharrison RCO

Date: 03/20/2009

Weapon Type: MORTARS

Weapon Caliber: 60/81mm

Map Scale = 1:30,000

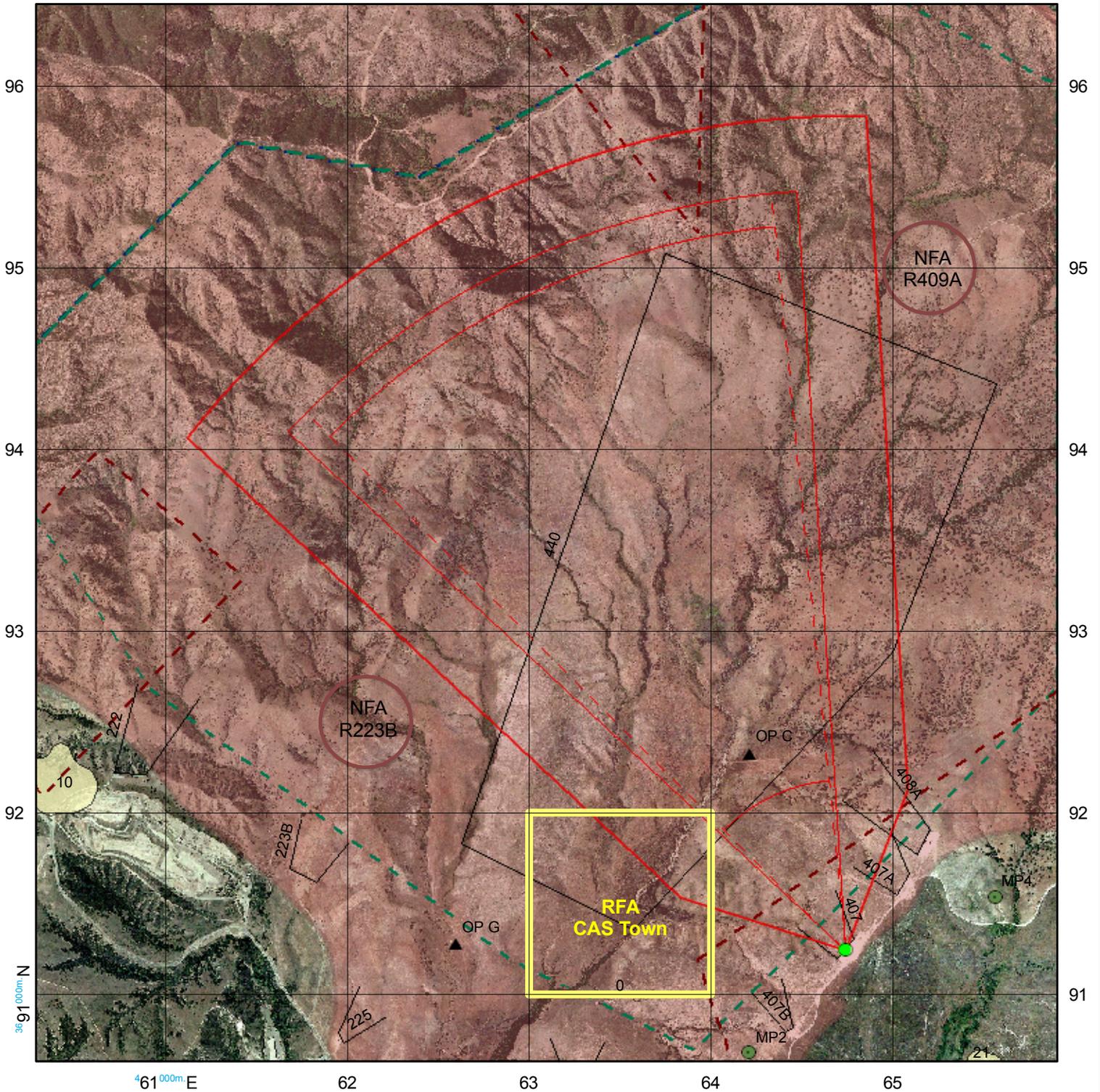
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Weapon: Mortars
 Projectile: HE/Illum/Smoke
 Fuzes: PD, Ti, VT
 Charge: 1 - 4
 Firing Point: 64730 91250
 FP elevation: 560 ft MSL
 Impact Area: Zulu
 Max Range: 4,000 Meters
 Min Range: 941 Meters
 (601 M for 60mm)
 Left Lateral Limit: 5,600 mils Grid
 Right Lateral Limit 6,300 mils Grid

Area A: 400 m
 Angle A: 25°
 Area B: 400 m
 PE: 23 (184 m)
 PEd: 11 (88 m)
 Max Ord (feet AGL):
 charge 1: 3,429
 charge 2: 5,775
 charge 3: 8,029
 charge 4: 9,938

Range 407

- Approved safety card, data card, SDZ, & signed ORM must be on hand to conduct training.
- RSO will ensure that the FDC has plotted target box on both primary and secondary boards.
- All mortars will fire registration fires that will be verified by the RSO prior to the exercise.
- Safety "T" will be with each gun.

Created By: E. Evans, R. Miller
 Approving Authority: J. Vaineharrison RCO

Date: 03/20/2009