

RANGE AND TRAINING REGULATIONS

Range: R207A	Lateral Limits: Na	Min/max Engagement Distance: Min Na Max Na	Range Facilities: "Corral" Training area; port-a-johns; RHU buildings; bleachers
Location: 49825 94826	Boundaries: Grids Maneuver area – As depicted		
Type: MOUT Facility			
Troop Penetration Line: Not beyond boundaries of the facility	Impact Area: Na	Range Phone Number(s): None	Allowable Wpns: SESAMS; all blanks; Flash Bangs; Arty Sims; Breaching (Up to .18 lbs NEW); Shotguns (Breacher Rds Only)
			Assigned to: CO, MCB Date Revised: 04 August, 2008

Scheduling

1. All scheduling requests for R-207A shall be submitted via their battalion. Unit will utilize RFMSS to schedule range.
2. When conducting Force-on-Force no shooting member shall have conducted live fire within 24 hours of this event.

Scheduling Conflicts	Notes	Conflict Notes
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R207A	1	Note (1) – None.
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GENERAL INSTRUCTIONS

1. A safety Brief will be conducted prior to each live fire event to all participants.
 2. All personnel shall wear required PPE during all training events.
 3. OIC & RSO Requirements -
 - a. Breaching, SESAMS, Flash Bangs & BFX
 - i. OIC Requirement – GySgt or Above
 - ii. RSO Requirement - SSgt or Above
 - b. Blanks
 - i. OIC Requirement – SSgt or Above
 - ii. RSO Requirement - Sgt or Above
 - c. No Munitions
 - i. OIC Requirement – None
 - ii. RSO Requirement - Sgt or Above
 - iii. LASER (If Used) LSSO Requirement - Sgt or Above
 4. IOT occupy this range unit must have the following personnel/equipment:
 - a. RSO
 - b. Corpsman & Safety Vehicle
 - c. Positive Communication with LONGRIFLE
 - d. An ORM reviewed and signed by the Command, RSO and OIC.
 5. IOT go into a hot status on range unit must have the following personnel/equipment:
 - a. OIC
 - b. RSO
 - c. LSSO – If using Laser
 - d. Corpsman & Safety Vehicle
 - e. Positive Communication with LONGRIFLE
 6. POVs are authorized to park in parking lot area without a POV pass.
 7. The RSO & OIC will personally observe each event.
 8. A non-participating Corpsman will be stationed with safety vehicle.
 9. Ammunition will only be issued per event and accounted for on NAVMC 11381.
 10. After each event, unit leaders will conduct a line out.
 11. Each RSO/PSO will certify to the OIC that all weapons are in Condition 4 prior to exiting the range/facility and all ammunition is accounted for.
- All weapon malfunctions shall be corrected per the appropriate TM/FM, and unit SOP.

Special Instructions Continued on Next page

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SPECIAL INSTRUCTIONS

1. **A Police Call will be conducted of the range footprint and all areas used by the unit and inspected prior to any unit departing this facility. If Co-Use was authorized, RSOs from all units involved will be present for the inspection.**
2. **All vehicles not involved in SESAMS training will be parked outside the safety perimeter.**
3. **Artillery Simulators -**
 - a. All artillery simulators will be supervised by a PSO specifically trained and assigned by the
 - b. RSO.
 - c. Use simulators for their intended purpose only.
 - d. Do not use them to simulate hand grenades.
 - e. They must not be activated in loose gravel, sticks, flammables (i.e. leaves, etc.) or any
 - f. other material subject to projection.
 - g. Observe safe separation distances from unprotected personnel at all times.
 - h. Personnel are considered protected if they are in a armored vehicles, building, dug in
 - i. emplacement (Any digging must be pre-approved by the RCO), personnel are masked by
 - j. terrain or device is detonated in designated barricaded pit.
 - k. Safe separation distances for unprotected personnel are:
 - i. M116A1 - 60 meters
 - ii. M115A2 - 35 meters

SESAMS

1. **A "SESAMS training In Progress" Sign shall be posted at _____ by the unit.**
2. **Range Guards shall be posted at _____ by the unit.**
 1. All participating Marines will be required to wear flak, Kevlar, throat/groin protector, contact gloves, utilities, hearing protection, and approved masks.
 2. All personnel will wear the specified gear when inside the safety perimeter.
 3. You shall have a minimum of two NCOs or higher act as safety controllers.
 - a. These Marines will ensure that there are no intentional headshots and no engagements closer than **5 feet.**
 4. All Marines will be lined out before any SESAMS rounds are distributed.
 5. All SESAMS magazines will be clearly marked, as will the barrels.
 6. Following the completion of the training, all Marines will be lined out again
7. **Ensure all training is conducted IAW SOUM 1-02.**

Breaching Operations

1. **Breaching operations on RHUs is not authorized.**
2. **Range Guards shall be posted at 49935 95007 by the unit.**
3. **A "Live Fire Training In Progress" Sign shall be posted at 49829 94752 by the unit.**
4. **All breaches will be set on doors supplied by the using unit that are mounted to approved framing to reduce any hazards.**
 - i. **Approved framing will consists of:**
 1. ½ inch plywood covering entire threshold, sides and overhead of doorway.
 2. 2x4 placed to form a frame on plywood covering.
 3. Only use plywood ¼ inch to construct "doorway".
 4. If using actual doors, only hollow core wooden doors shall be used.
 - b. **Mechanical Breaching**
 - i. All mechanical breaching will be conducted utilizing tools from issued breaching kits.
 - c. **Ballistics Breaching**
 - i. Ammunition will only be issued per event.
 - d. **Explosive Breaching**
 - i. The breach will consist of a field expedient urban breaches (duel primed) at no more than .18 lbs **NEW (Any Requests for annual waivers for this requirement shall not be approved).**
 - ii. Max Ord is 185 feet AGL for vertical or fragmentation hazard at .18 lbs NEW.

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- iii. **A maximum K – Factor of 18 (3.5 PSI) will be utilized and all personnel are to follow the below unshielded safety standoffs.**
- iv. **If shielded, RSO may reduce standoff by 50%.**
 - v. Double hearing protection required for all PSIs at or above 1.68.
 - vi. All personnel will be set in position prior to initiating the breach.
 - vii. All exposed building material must be covered/framed IOT prevent any damage to the structure.
 - viii. A safety Brief will conducted prior to each live fire event to all participants.
 - ix. The RSO & OIC will personally observe each live fire event.
 - x. Each breach will be inspected and approved by the RSO.
 - xi. Time fuse will be cut and tested by RSO (30 Sec. Max. Time).
 - xii. Any Electrical Systems will be tested by RSO.
- e. There will be additional safety personnel assigned as follows:
 - i. **A PSO will travel with each breaching team.**
 - ii. **Each PSO will have positive communication with the RSO.**
- f. The OIC is responsible for all charges, and ensuring all misfire procedures are in compliance with current directives.

K FACTOR

	40	30	24	18	11	9	6
NEW OF CHARGE (TNT EQUIVALENT)	1.2 -9 PSI	1.7 PSI	2.3 PSI	3.5 PSI	8 PSI	12 PSI	27 PSI

Distance in Feet From Detonation

0.05	14.73612599	11.0520945	8.841675597	6.631256698	4.052434649	3.315628349	2.210418899
0.1	18.56635533	13.9247665	11.1398132	8.354859901	5.105747717	4.17742995	2.7849533
0.125	20	15	12	9	5.5	4.5	3
0.15	21.25317138	15.93987854	12.75190283	9.563927123	5.844622131	4.781963561	3.187975708
0.155	21.48674142	16.11505606	12.89204485	9.669033639	5.90885389	4.834516819	3.223011213
0.18	22.58486469	16.93864852	13.55091882	10.16318911	6.210837791	5.081594556	3.387729704

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R207A

**Range Guard Postion
for SESAMS & Breaching
49935 95007**

**Breaching Location
Max. Breach .25 lbs NEW
49825 94826**

**Range Sign Location
Breaching Breaching
49829 94752**

