

RANGE AND TRAINING REGULATIONS

Range: FMSS Combat Town	Range Facilities: port-a-johns; Shipping Container Buildings <b style="color: red;">Shore Power to structures is not connected		Assigned to: CO, MCB
Location: 65750 82450	Boundaries: As depicted	Allowable Wpns: SESAMS; all blanks; Pyro (<b style="color: red;">Airborne Pyro is Not Authorized) ; CS & HC Smoke (<b style="color: red;">OIC/RSO Shall be 5701/5711 or equivalent); Arty Sims	Date Revised: 23 February, 2009
Type: MOUT Facility			
Troop Penetration Line: Not beyond boundaries of the facility		Range Phone Number(s): None	

Scheduling

1. Initial scheduling of this facility must be done through FMSS at 725-2559
2. Final scheduling of this facility must be approved by MCB Camp Pendleton Range Scheduling.
3. **Scheduling of Contractor or BFX Support is done through TSD.**
 - a. All BFX (Role Players, IEDs, RPGs, etc.) shall be scheduled through TSD
 - b. TSD Phone Number - 763-7057

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. **Live Fire, SESAMS, Flash Bangs, CS or HC & BFX**
 - i. **OIC Requirement – GySgt or Above** (**For CS or HC OIC Shall be 5701/5711 or equivalent**)
 - ii. **RSO Requirement - SSgt or Above** (**For CS or HC RSO Shall be 5701/5711 or equivalent**)
 - 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.

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SPECIAL INSTRUCTIONS

1. FMSS Combat Town is composed of 14 ISO shipping containers forming 8 simulated buildings divided into several areas. Electricity can be provided to areas (requires unit engineer support) to support night evolutions.
2. **Electrical –**
 - a. This is a National Electrical Manufacturers Association (NEMA) Type I facility in that it does not protect against ingress of water (dripping or light splashing).
 - b. When rain or moisture is present the unit commander shall address mitigation in the ORM matrix for potential electrical hazards.
 - c. **Transfer Switch -**
 - i. This site is equipped with a power transfer switch such that the Training Site may be powered by mobile generator in the event that shore power fails,
 - ii. The Transfer Switch is capable of transferring up to 200 Amp, 120/240 VAC Single Phase power to the Training Site. While a load of this magnitude is not anticipated, it does provide the potential for power growth requirement as the site.
3. Buildings have openings with shutters and simulated rebar protection bars on the openings that can be opened or closed depending on the situation.
 - a. **Opening shutters are to be in the closed position to protect the inadvertent penetration by pyrotechnics. The floors are wood and will catch on fire.**
4. Railings surround the tops of buildings that have roof access/breaches.
 - a. **These railings are not authorized for rappelling/grappling operations.**
5. **Bivouac -**
 - a. **Bivouacking in the buildings is authorized to support training.**
6. **A Police Call will be conducted of the town 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. Inspection of facility will take approximately 2 hours. Plan accordingly.**
7. All vehicles not involved in training shall be parked in the designated parking lot.
 - a. **Privately owned vehicles (POVs) are prohibited from entering the Town.**
8. Portable toilets will be used vice field expedient heads.
9. Trenches or fighting holes will not be dug.
10. **Open fires are prohibited (to include squad stoves).**
11. **Pyrotechnics -**
 - a. **No pyrotechnics are allowed inside any building.**
 - b. **All pyrotechnics, flash bangs or any booby trap simulator, must be initiated from within the footprint of the town and all effects must land within the footprint of the town.**
 - c. Booby trap simulators are to be placed below knee-level.
 - d. The RSO must ensure all booby trap devices are removed when training is completed and inform the OIC when accomplished.
 - e. **Aerial Pyrotechnics are not authorized at any time.**
12. **Artillery Simulators -**
 - a. **No artillery simulators are allowed inside any building.**
 - b. All artillery simulators will be supervised by a PSO specifically trained and assigned by the 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 other material subject to projection.
 - f. Observe safe separation distances from unprotected personnel at all times.
 - g. Personnel are considered protected if they are in an armored vehicles, building, dug in emplacement (Any digging must be pre-approved by the RCO), personnel are masked by terrain or device is detonated in designated barricaded pit.
 - h. Safe separation distances for unprotected personnel are:
 - i. M116A1 - 60 meters
 - ii. M115A2 - 35 meters
13. **CS & HC Smoke Operations**
 - a. Commanders will approve use of CS or tearing agents during training based on advice from NBC personnel – **NCO & Above - (MOS 5702/5711 or equivalent).**
 - b. Due to CS causing involuntary eye closure, no person may ride in the cab of a government vehicle, or operate a government vehicle after exposure.

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- c. Additionally, personnel shall not drive any vehicle (government or personal) for two (2) hours after exposure, or until they take a thorough shower.
- d. Under no circumstances will CS capsules or CS powder be introduced into grenade materials.
- e. CS or tearing agent grenades shall not be used in confined spaces (e.g., chambers, tents, and buildings).
- f. buildings).

14. Aviation Operations

- a. UAV's – Are not authorized.
- b. Helicopters are prohibited from landing on rooftops.

15. Less Lethal & SESAMS

a. During Less Lethal & SESAMS Training:

- a. RSO must be a SSgt (E-6).
- b. All effects must be contained within the depicted section boundaries.
- c. Signs Shall Be Posted at the depicted locations.
- a. All participating personnel shall wear flak, kevlar, throat/groin protector, contact gloves, utilities, and approved masks.
- d. All personnel will wear the specified gear when inside the maneuver boundaries.
- e. The RSO shall assign a minimum of two NCOs or higher act as PSOs.
- f. For SESAM, the PSOs will ensure that there are no intentional headshots and no engagements closer than 5 feet.
- g. RSO will ensure that all SESAMS magazines will be clearly marked, as will the barrels and that all SESAMS training is conducted IAW SOUM 1-02.

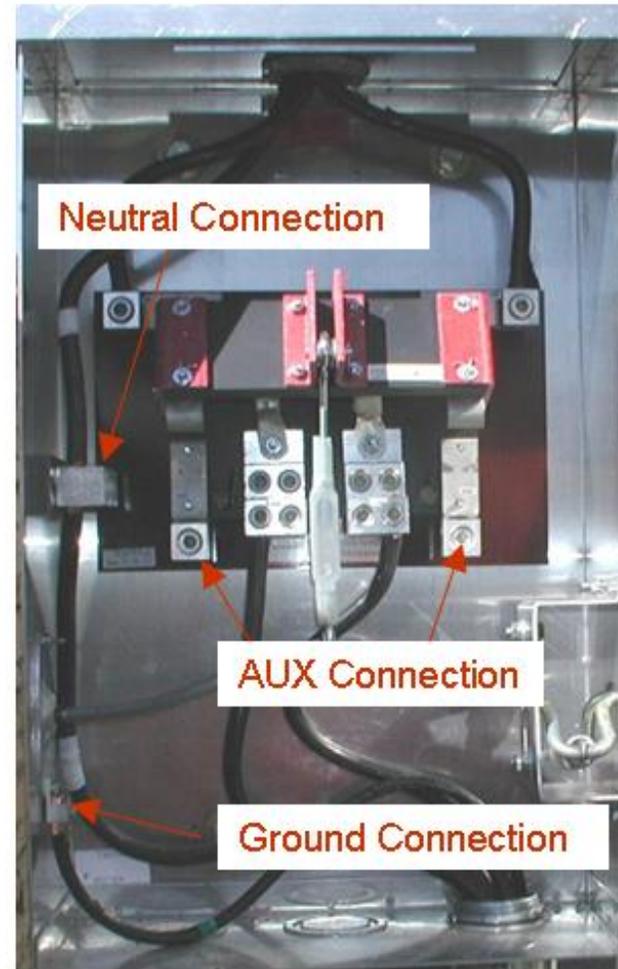
16. During breaching operations – Approved RCO Brief required (14 Days from Event):

- a. Co-Use is Not Authorized.
- b. All breaches will be set on doors and door frames provided by unit.
- b. Mechanical Breaching
 - i. All mechanical breaching will be conducted utilizing tools from issued breaching kits.
- c. Ballistics Breaching
 - i. Approved breaching rounds only.
 - ii. 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 waivers for this requirement shall not be approved).
 - ii. Max Ord is 185 feet AGL for vertical or fragmentation hazard at .18 lbs NEW.
 - 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. Range guards and signs will be posted to advise personnel of the training being conducted and to prevent any personnel not involved in the training from entering the Fragmentation Safety Arc
- g. The RSO is responsible for all charges, and ensuring all misfire procedures are in compliance with current directives.

FMTB TRANSFER SWITCH

- REMINDER:

- To be performed ***only*** by qualified operator
- Disconnect ALL power prior to installation
Observe All Safety Rules
- Remove front cover from Transfer Switch
- Open Knockout in bottom of Enclosure
- Install Box Connector into Knockout to protect cable
- Install cable through Box Connector
- Secure cable with Box Connector
- Strip outer jacket from cable
- Fan out conductors
- Strip 1" Insulation from Ground Conductor and connect to Ground Point
- Strip 1" from Neutral Conductor, insert into Neutral Bar, tighten screw to 30 ft lbs.
- Strip 1" from each of the power conductors and insert into the two terminals marked "AUX", tighten screws to 30 ft lbs.
- Replace Cover
- Reconnect power, mover lever to "LINE" or "AUX"



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FMSS Combat Town



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