

# **Range Safety**

## **OIC and RSO**

### **Information and Class**

### **Handout**



# MCB Camp Pendleton OIC & RSO Information and Handout

Date Revised – 25 October, 2018

**RANGE SAFETY CERTIFICATION TEST WILL ONLY BE MAINTAINED FOR 30 DAYS FROM TEST DATE**

<b>Test Location:</b> Building # R116B-08 (See Attached Map)		<b>Publications</b>	<b>Vehicles:</b>  1. Road & River Report Dependent.  2. Driver must have positive Radio Communications with LONGRIFLE.  3. All POVs require a POV Pass unless authorized to park in a parking lot within specific range special instructions.  4. <b>Vehicle must be a “truck like” vehicle – NO SEDANS or Mini Vans.</b>  5. Only CPFD vehicles are authorized on Fire Breaks.  6. POVs are <b>UNAUTHORIZED</b> on Active Grenade Ranges, Demo Ranges, MP's, MFA's or AFA's.  7. If POV pass is pulled for violations, it will not be returned or replaced.  8. Food Truck (Roach Coach) is only authorized behind the firing line on KD Ranges with OIC approval.
<b>Test Days:</b> Tuesday & Wednesday	<b>Time:</b> 0900-1215	CAMPENO 3500.1A (dtd 18 Oct 2018)  MCO 3570.1C (dtd 30 Jan 2012)  DA PAM 385-63 (dtd 16 April 2014)	
<b>Phone Numbers and Email</b>		<b>LONGRIFLE Frequencies</b>	
<b>Phone Numbers – (DSN 365-)</b>			
OIC/RSO Confirmation – (760) 725-0357		40.35 FM Primary Ground Safety Net	
Range Control Officer - (760) 725-0355		30.35 FM Alternate Ground Safety Net	
Range Safety Specialists - (760) 390-9339		310.3 UHF Air Safety Net	
LONGRIFLE - (760) 725-4277		305.925 UHF Forward Air Controllers	
Range Scheduling – (760) 725-4219/3510 (760) 725-4090 (FAX)		255.2 UHF Forward Air Controllers	
<b>EMAIL:</b> PNDL_OTRANGEINSPECTORS@usmc.mil PNDL_OTRANGESCHEDULING@usmc.mil		123.2 VHF Used By Civilian Aircraft	
<b>SharePoint:</b> <a href="https://eis.usmc.mil/sites/mciw_rpolicy/rod/default.aspx">https://eis.usmc.mil/sites/mciw_rpolicy/rod/default.aspx</a>			

**All Training Requires a Qualified RSO Assigned on RM  
All Training with Any Munitions Requires a Knowledgeably OIC Assigned on RM in Addition to RSO  
OIC and RSO Testing**

1. **Walk-in testing is available Tuesdays and Wednesday (excluding holidays) 0900-1215.**
  - a. **OIC & RSO walk-in testing is conducted at Range 116 (Building # 116-08) IVO Pistol Range.**
  - b. **NO APPOINTMENT!**
  - c. **DL Testing for Non-Military Members.**
  - d. **For more information call (760) 725-0357/3510/4219**
2. Prior to taking the test, complete of the Range Safety Course (DLRS) (per MARADMIN 214/06)  
<https://www.marinenet.usmc.mil/marinenet/>
3. **All Military Personnel MUST be in Uniform.**
4. **Types of OIC & RSO qualifications**
  - a. **Training OIC/RSO** – This qualification is required for all types of training (Para Ops, Convoys, HRST, Gas Chambers, Hikes, etc.) and live fire with munitions involving projectiles or explosives.
    - Personnel in this category include Military Personnel, Law Enforcement Officers, Civilian Contractors providing military training and civilian entities conducting live fire under a real estate license.
    - Both Distance Learning Range Safety (DLRS) and local certification are **valid for three years.**
    - **Test questions will be come from the Base OIC/RSO class/video, Handout (dtd 25 Oct 18), CAMPENO 3500.1A (dtd 18 Oct 18), MCO 3570.1C (dtd 30 Jan 12) & the current DA-PAM 385-63 (dtd 16 Apr 14).**
    - **Ensure you have read all orders.**
    - **Test is open book and attendees must bring all orders in paper or electronic form to test.**
    - **Ensure that your electronic device is fully charged, power may not be available.**
    - **Cell Phones and Cameras are NOT Allowed.**
    - **DOCUMENTS CANNOT BE SHARED.**
    - **Bring pen or Pencil.**
  - b. **Administrative RSO** – This qualification is required for events or activities not related to training.
    - Personnel in this category include construction projects, environmental survey, etc.
    - **Test questions will be come from the Base OIC/RSO class/video, Handout (dtd 25 Oct 18), CAMPENO 3500.1A (dtd 18 Oct 18).**
    - **Ensure you have read all orders.**
    - **Test is open book and attendees must bring all orders in paper or electronic form to test.**
    - **Ensure that your electronic device is fully charged, power may not be available.**
    - **Cell Phones and Cameras are NOT Allowed.**
    - **DOCUMENTS CANNOT BE SHARED.**
    - **Bring Pen or pencil.**
5. **Additional Endorsements** - In order to conduct either TACP/JTAC/FAC/R130 or BFX operations on board MCB Camp Pendleton, personnel need an additional RSO endorsement to their **Training OIC/RSO** qualification. Following qualification as a **Training**

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OIC/RSO as described above, completes the applicable remote class and MCB Camp Pendleton Range Operations proctored testing as follows:

- a. **For TACP/JTAC/FAC –**
  - Watch the Remote FAC/JTAC Class on line on YouTube. Search **Camp Pendleton FAC** to find. There are two Videos. Ensure you watch each portion of the video as it is broken into parts.
  - Bring FAC Handout to testing.
  - Complete the MCB Camp Pendleton Range Operations FAC/JTAC proctored testing.
- b. **For R130 OIC/RSO (1<sup>st</sup> MRB & EOTG Only) –**
  - R130 OIC:
    - E-7 and above.
    - GS-7 and Above
  - R130 RSO:
    - E-5 or E-6 & above (Range Dependant)
    - GS-05 & above
    - Government Contactor
  - Watch the Remote R130 OIC/RSO Class on line at: <https://www.mciwest.usmc.mil/inst/mciwest/rpolicy/rod/default.aspx>
  - Bring the R130 Handout, SOUM 2-02 and Quick reference Guide for Bullet Traps and Shoothouses to testing.
  - Complete the MCB Camp Pendleton Range Operations R130 proctored testing.
6. **For BFX Operations (Contractors ONLY)**
  - d. Watch the Remote BFX Class on line on YouTube. Search **Camp Pendleton BFX Class** to find.
  - e. Present your State certification when you check in the day of testing, must be current.
  - f. Bring the BFX handout
  - g. Complete the MCB Camp Pendleton Range Operations BFX proctored testing.

## RFMSS Training

1. **RANGE FACILITY MANAGEMENT SUPPORT SYSTEM (RFMSS) CRSE**
  - a. This course is conducted the First Wednesday of the month (Except Holidays) in Bldg. 2399.
  - b. Contact Range Scheduling at (760) 725-3510/4219 for information.
  - c. Prerequisites:
    - Must be a member of a unit authorized to use RFMSS on Camp Pendleton
    - Must be designated by unit Commanding Officer or authorized representative to attend.
    - **Class Information:** Class starts at 0800 and will last until approximately 1100.

## Learning Resource Centers

Area	Phone Number	Building
14 area	760-763-4964	14125
22 area	760-763-5035	220165
33 area	760-763-3065	33524
43 area	760-725-3127	430602
52 area	760-725-9930	520512
62 area	760-763-5280	62330

## Scheduling

1. **All scheduling requests must be submitted via their battalion utilizing RFMSS.**
  - a. Scheduling Priorities:
    - 180 Days - USMC Formal Schools
    - 120 Days - MEUs/HIMAR
    - 90 Days - Active Duty Units & Marine Reserves
    - 60 Days - Other Reserve Units and National Guard
    - 30 Days - All Other Units/Civilians
  - b. Schedule all facilities required (i.e. AFAs within Training Areas are separate facilities)
  - c. Co-Use: Units must submit an email from both units to RCO NLT 7 working days prior to the event (Must show facility, weapons, munitions & SOM) from both units.
  - d. Hike/Convoy Routes and CS Overlays, Email to Scheduling.
  - e. Waivers requests must be submitted at a minimum of 30 Days from date of event (i.e. Civilians (Non DoD Contractors/Employees), experimental weapons/ammo, warrior nights, changes to range regs, etc).
  - f. **Remain clear of aviation Facilities – 500 METERS.**
2. **Air Space**
  - a. R2503A/B – (0600- 2359) Available daily. Requests to utilize R2503A/B (2400 – 0600) must be submitted five (5) working days from the training event.
    - R2503C – Requests to utilize must be submitted twenty (20) working days from the training event.
    - R2503D – Requests to utilize must be submitted thirty five working days from the training event.
3. **Air Priority Days**
  - a. **Zulu Air Priority Days** - 1<sup>st</sup>, 2<sup>nd</sup> & 3<sup>rd</sup> Wed & Thu of the Month
  - b. **Whiskey Air Priority Times (Weekdays)** - 1400-1700 & 2000-2300
3. During air priority times/day, non-supporting ground units will be check fired
4. **Scheduling under Seven Days will be disapproved.**

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## Briefs, Waivers and Target Inserts

### 1. Briefs and Waivers

- a. Required Briefs (Concept of Ops & Scheme of Maneuver)
- b. LFAMs on ranges without dedicated impact areas: **60 Working Days**
- c. Ranges with dedicated Impact Areas, MFAs: **14 Working Days.**
- d. **All waivers must be submitted NLT 30 Days from event.**

### 2. Target Inserts

- a. All requests for target inserts, impact area escorts or live penalty training shall be approved prior by the RCO.
- b. Request must be submitted to the RCO **NLT 30 days** from the event.

## Range OICs, RSOs and PSOs

1. **OIC of Training** - The OIC shall be of equivalent or senior rank to the RSO. The OIC maintains surveillance of firing and safety within the entire surface and vertical hazard space of the assigned range; he/she shall be physically present at live fire events. The OIC is a supervisory position conducted by a commissioned officer, warrant officer, staff noncommissioned officer, noncommissioned officer or Government Service civilian equivalent. Civilian contractors shall not perform the duties as an OIC. The OIC may personally participate in training, as long as the OIC can maintain control of the training event.
  - a. Training
    - The OIC must complete the Training and Education Command (TECOM) Distance Learning Range Safety Course (DLRS) and the MCIWEST-MCB CAMPEN Range Safety Certification Course (RSCC).
    - Upon successful completion of the RSCC, Range Operations will enter those names into the RFMSS data base.
    - Both DLRS and local certification are valid for three years.
  - Responsibilities
    - The OIC shall have a detailed RM worksheet, signed by the unit commander in their possession covering all phases of training. For live fire and maneuver (LFAM) training, an approved concept of operations, scheme of maneuver and RCO Brief Sheet must also be in their possession at all times while training.
    - The OIC shall ensure all personnel wear the appropriate personal protective equipment.
    - The OIC must be knowledgeable on the weapon(s) or weapons system(s) being used and brief the RSO on the duties to be performed in support of the training event, and clearly establish the requirement for the RSO to brief the OIC on the safety of the facility/unit, and the readiness to commence live-fire operations prior to the start of firing.
    - The OIC is responsible for accountability, handling, turn-in and proper use of ammunition and explosives.
    - The OIC will verify the RSO is qualified with the weapon(s) or weapons system(s) being used.
    - The OIC will ensure the RSO provides for a dedicated emergency vehicle and medical personnel for all training events.
    - Coordinate all Medical Evacuation (MEDEVAC) requirements with LONGRIFLE.
2. **RSO of Training** - The RSO assists in maintaining surveillance of firing and safety within the entire surface and vertical hazard space of the assigned range; shall be physically present at the training site. The RSO is a supervisory position conducted by a commissioned officer, warrant officer, staff noncommissioned officer, noncommissioned officer, or civilian equivalent. Civilian contractors may act as RSOs when approved by the CG. The RSO shall not participate in training. **THE RSO WILL NOT BE ASSIGNED OTHER DUTIES NOR FIRE A WEAPON**, and will be the last to leave the range following completion of firing and clean-up, ensuring the range is clear of all personnel and equipment. The RSO will ensure trash and brass are removed from the range after completion of training.
  - a. Training
    - The RSO must complete the TECOM DLRS and the MCIWEST-MCB CAMPEN RSCC.
    - Upon successful completion of the RSCC, ROD will enter those names into the data base.
    - Both DLRS and local certification are valid for three years.
  - b. Responsibilities
    - The RSO is responsible for the enforcement of applicable safety regulations contained in this Order, directives in the MCO 3570 series, and other applicable field, technical, and ordnance publications. The RSO shall be qualified on the weapon(s) or weapons system(s) being used.
    - The RSO must be able to identify the right and left lateral limits for all live fire ranges, and that each firing position observes the proper left and right limits for each firing lane. The RSO will ensure that no cross firing between firing lanes occurs.
    - The RSO shall maintain communications with LONGRIFLE at all times. When communications are lost, the RSO will cease all training until communications are reestablished.
    - RSOs shall conduct the check-in/check-out process for all ranges and training areas as outlined in paragraph 6002 of this Order.
    - The RSO shall ensure all weapons settings (i.e., headspace, timing, Fire Direction Center (FDC), and safety "T") are correct.
    - The RSO shall provide for a dedicated emergency vehicle and medical personnel for all training events.
  - c. The RSO for parachute and airdrop operations shall be current and qualified Jumpmaster performing as the Drop Zone Safety Officer (DZSO); the RSO/DZSO must be at the DZ during parachute/airdrop operations.
3. **Position Safety Officer** - In addition to OIC and RSO requirements, weapons qualified PSOs shall be assigned for all static live fire, live fire and movement, and live fire and maneuver training as follows:
  - a. Vehicle Weapons System. One PSO for each vehicle.
  - b. Crew Served Weapons on Static Range. One PSO for every two weapons.
  - c. Crew Served Weapons in a Support by Fire Position. One PSO for each weapon.
  - d. Dismounted Personnel on Static Range. One PSO for every four shooters.
  - e. Dismounted Personnel Conducting LFAMs or Live Fire and Movement. One PSO for every four shooters during day time and one PSO for every two shooters during night time.
  - f. CQB. One PSO for each active team in a shoot house.

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OIC/ RSO Appointment Requirements						
EVENT	OIC*1/2/5			RSO*2/3/5		
	OFF	WO	NCO	OFF	WO	NCO
HC Smoke/Riot Control Agents *6	X	X	E-6	X	X	E-5
CBRN Confidence Training (Gas Chamber) *4	X	X	E-6	X	X	E-5
AT-4 9mm Tracer Trainer, 9mm Spotting Rifle Shoulder Launched Multipurpose Assault Weapons (SMAW) Not Rocket, Light Anti-Tank Weapon Trainer, Light Armored Vehicle Brewster, Practice Hand Grenades, All 40mm TP, Laser Devices, Simulators, Trip Flares, Small Arms, Machine Guns, .50 Cal And Below	X	X	E-6	X	X	E-5
Field Artillery	X	X	E-7	X	X	E-6
LFAMs, Combined Arms Live-Fire Exercises, Aerial Gunnery, Air Defense Weapons	X	X	E-7	X	X	E-6
Aerial Gunnery & Air Defense Weapons; Flame-Throwers; Live Hand Grenades, Grenade Launchers, (All40mm HE); Live Mines, Demolitions; Tank & Fighting Vehicle Cannons; Recoilless Rifles	X	X	E-7	X	X	E-6
Mortars/USMC	X	X	E-6	X	X	E-5
<i>SRC-1 ITEMS: Javelin/AT-4/Dragon/Stinger</i> <i>RSO REQUIREMENTS NON WAIVERABLE</i>	X	X	E-7	X	X	E-6
Live-Fire Exercises Using Organic Weapons, Squad Company, Battery, and Troops. Direct Fire NON SRC-1 ITEMS: TOW, SMAW & ROCKET MISSILES	X	X	E-7	X	X	E-6
Parachute Ops/(HST) Ops/Dive Ops (Qualified Instructor)/Rappelling/HRST	X	X	X	X	X	E-4
Training Area/Bch Operations/Training Facilities (NO Munitions)	X	X	X	X	X	E-4
Training Area/Bch Ops/Training Facilities (With Munitions)	X	X	E-6	X	X	E-5
Mortars U.S. Army	X	X	E-6	X	X	E-6
Special Effects Small Arms Marking System	X	X	E-7	X	X	E-6
Steel Reactive Targets	X	X	E-7	X	X	E-6

\*1 - The OIC shall be of equivalent or senior rank to the RSO.

\*2 - Marine Corps Community Services activities may be conducted without an OIC, corpsman or safety vehicle as long as a qualified MCB Camp Pendleton RSO is present and observing all activities.

\*3 - Civilian contractors may act as RSOs when approved by the Installation Commander.

\*4 - OIC and RSO must have been trained in the 2-Chlorobenzylidenemalononitrile (CS) chamber within the past year. An E-4 or above [chemical, biological, radiological, and nuclear (CBRN) MOS 5702/5711] must be present when conducting CBRN training in a gas chamber.

\*5 - The OIC shall be a field grade officer and the RSO shall be an E-7 or above for all battalion or larger live fire exercises.

\*6 - When CS is used in outdoor confidence courses, the RSO must have been trained in the CS chamber within the past year. The use of a 5702 CBRN Defense Officer and 5711 CBRN Defense Specialist is not required.

## Medical and Safety Vehicle Requirements

### 1. Minimum Requirements.

- a. The minimum level of medical personnel to support military or federal governmental agency non-live fire training is a Combat Life Saver.
- b. The minimum level of medical personnel to support military or federal governmental agency live fire training is a Navy Corpsman, or service level equivalent.
- c. The minimum level of medical personnel to support Non-Federal Entity live fire training is an Emergency Medical Technician.
- d. Unit commanders shall conduct a risk analysis to determine the requirement for a greater level of medical personnel support.

### 2. Safety Vehicles.

- a. A wheeled vehicle designated as a safety vehicle shall be present for all training activity.
- b. Privately Owned Vehicles (POV) shall not be used as safety vehicles.
- c. When possible, the vehicle should be an ambulance.
- d. At a minimum, the safety vehicle shall be capable of accepting a litter.

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## Range and Training Area (RTA) Access and Communications

1. ALL using Units/Agencies shall establish positive radio communication with LONGRIFLE before permission is granted to access to any Range or Training Area.
2. **CELL PHONES ARE NOT AUTHORIZED FOR USE TO MEET SAFETY COMMUNICATION REQUIREMENTS.**
3. **RSO WILL BE THE ONE TO CHECK IN**
4. Units/Agency on ranges shall identify themselves by unit/agency and range number.
5. Units/Agency in training areas shall identify themselves by unit/agency and training area.
6. **NO PERSONAL CALLSIGNS.**
7. **Radio Checks:**
  - a. Units in training areas/TFs/Beaches/etc., conducting non-live fire will conduct radio checks every hour at the top of the hour.
  - b. Units conducting live fire (including SESAMS) will conduct radio checks every hour at the bottom of the hour.
8. **Bivouac Status** - Units/Agency placed in a BIVOUAC status will maintain and monitor the net throughout the night and contact LONGRIFLE prior to the start of any event for the next day.
9. **Military Information Map (MIM), Environmental Operations Map (EOM) & Gas Lines Hazards Map.**
  - a. All Range Safety Officers (RSO) as well as any unit or person conducting site surveys must have in their possession, in addition to the MIM, a copy of the EOM, or at a minimum, the pages from the EOM of the area/range that the unit is operating at and the Gas Lines Hazards Map for that area.
  - b. Any unit RSO or site survey found without the required maps will immediately cease all training/activity and/or depart the training area or range.
  - c. Electronic copies of the EOM and Gas Lines Hazards Map are available at the Range Operations SharePoint site and in the Camp Pendleton RFMSS Library.
10. Additional environmental training can be scheduled with Environmental Security by contacting Mr. Dan Felkins by phone 760-725-7308 or email at daniel.felkins@usmc.mil.

## Range and Training Area (RTA) Emergencies and UXO

1. **Emergency Medical Procedures.**
  - a. All Emergency Calls Are Made to LONGRIFLE via Radio
  - b. Handled By Camp Pendleton Fire and Emergency Services
  - c. The Three (3) MEDEVAC Categories
    - Emergency / Urgent = Life threatening/Limb Loss
    - Priority = Non-Life threatening but warrants evaluation
    - Routine = Minor injuries
  - d. **ALL MEDEVAC'S must be reported to LONGRIFLE promptly, regardless of the category.**
  - e. If radio communication fails, units / agencies shall use any available telephone to contact **LONGRIFLE – 760-725-3975/4277**
  - f. **RED PYRO** is designated as the **ALTERNATE SIGNAL** for any emergency.
  - g. During a MEDEVAC, **ALL UNITS** on the **LONGRIFLE** safety net shall cease transmissions on the net until the MEDEVAC has been completed, or another unit requires MEDEVAC support.
2. **Wildland Fires:**
  - a. All personnel must recognize that training activities start over 200 wildland fires a year in our training areas (excluding fires in the Zulu, Whiskey and Quebec impact areas)
  - b. Wildland fires are potentially devastating to life and property
  - c. Wildland fires will cause all training to stop in the vicinity of the fire and potentially cause all training aboard the base to stop until the fire is out or under control.
  - d. **All Fires must be reported to LONGRIFLE.**
3. **Unexploded Ordnance (UXO)** - Follow these safety rules if you find a UXO:
  - a. Assume that all bombs, projectiles, canisters, and rockets are live ordinance.
  - b. Do not touch, run over, or disturb any UXO or duds.
  - c. Mark the UXO or dud with white engineer tape or a suitable substitute.
  - d. Determine Grid (10 digits).
  - e. **Notify LONGRIFLE Immediately.**

## Environmental

1. Camp Pendleton is home to many endangered species, wetlands, and sensitive habitats which are protected by federal laws strictly enforced by local agencies
2. It is essential to consider environmental concerns while planning training operations and exercises
3. OICs shall ensure all personnel are thoroughly briefed, as per the ORM, on the location of all environmentally sensitive areas within the scheduled area prior to occupation
4. Prior to any activity involving: soil excavation, grading, filling, or digging of fighting positions in or adjacent to protected habitat areas units must receive approval from Base Environmental at:
  - a. Alisa Zych (760)-725-9759; Anika McKessy (760)-763-7945; Andrea Souther (760)-763-7265, (760)-725-9763
5. **Refueling:**
  - a. Use existing access roads to all sites.
  - b. No digging/grading is allowed at any site without approval from the Assistant Chief of Staff, Environmental Security.

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- c. Secondary containment for refueling operations will be constructed using sand bags or some other implement over which impermeable material is draped and secured.
- d. All sites are to be left in their original condition after each refueling operation (no permanent tanks, containment berms, etc.).
- e. Units choosing to use the designated sites will not be required to seek additional environmental approval.

## Weather Warnings and Advisories

### 1. Thunder Storms:

- a. **THUNDERSTORM ADVISORY** - Thunderstorms are occurring or imminent for convective activity within 50 NM of MCAS Camp Pendleton.
  - b. **THUNDERSTORM CONDITION I** - Thunderstorms are occurring or are imminent over the next hour, within 10 NM of MCAS Camp Pendleton.
  - c. **THUNDERSTORM CONDITION II** - Thunderstorms are occurring or are imminent over the next 6 hours, within 25 NM of MCAS Camp Pendleton.
2. **30-30 Rule** - Follow the "30-30 Rule" when outdoors.
- a. When lightning is observed, count the number of seconds before thunder sounds; if it is less than thirty seconds, cease all training and seek shelter immediately.
  - b. Take shelter in a building or vehicle
  - c. If no structure is available reach an open, low area and squat down. Do not stand near tall, lone trees or stand up in a flat open area.
  - d. Avoid tall structures like power lines, towers, tall trees, etc.
  - e. Stay away from natural lightning rods (e.g. metal equipment)
  - f. Stay away from bodies of water.
  - g. After the storm dissipates, wait another thirty minutes before resuming outdoor activity.

### 2. First Aid:

- a. If someone is struck by lightning, contact LONGRIFLE:
- b. A person who has been struck by lightning may have a charge that can shock other people.
- c. If the victim is burned, provide first aid treatment.
- d. Provide CPR if the person has stopped breathing or if their heart has stopped.

### 3. Report and avoid downed utility lines.

### 4. Flood Alert:

- a. Due to significant amounts of precipitation in the mountains around MCB CamPen, flash flooding may occur. Range Control will monitor flood conditions set by the AC/S G-3/5. The following Alert Conditions apply:
  - Alert Condition III. Rainfall is reported in Riverside or San Diego Counties of one to two inches on wet or saturated ground; four inches on dry ground; or local flash flood conditions.
  - Alert Condition II. Rainfall exceeds previous condition and visible flooding is detected upstream; or weather services forecast heavy thunderstorms, flash flood watches, or flash flood warnings.
  - Alert Condition I. Rainfall exceeds previous condition with bridges, roads, or culverts overflowing with water. Upstream fire departments are reporting local flooding.
  - Unless otherwise directed by the AC/S G-3/5, ranges and training areas shall be secured upon reaching Alert Condition II.

### 5. Coastal Hazards:

- a. Coastal Flood Warning - Coastal flooding is occurring or is imminent in the next 12 hours, which poses a serious threat to life and/or property.
- b. Coastal Flood Watch - Coastal flooding is possible in the next 24 hours, which would pose a serious threat to life and/or property.
- c. Coastal Flood Advisory - Minor coastal flooding is occurring or is imminent in the next 12 hours, which poses a threat to life and/or property.
- d. Storm Surge Warning - Localized heavy flooding due to storm surge caused by a tropical cyclone is occurring or is imminent in the next 12 hours, which poses a threat to life and/or property.
- e. High Surf Warning - Destructive, pounding surf poses a danger to those in and near the water and may damage property near the shoreline.
- f. High Surf Advisory - Pounding surf poses a danger to those in the water.
- g. Rip Current Statement - Describes a risk of rip currents present in the specified area (may be issued as a beach hazards statement).

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Fire Danger Ratings (FDR)		
FDR	Caution To Be Exercised	Necessary Precautions
<b>LOW</b>	Use normal caution.	**Units SHALL adhere to restrictions promulgated by RCO.**
<b>MODERATE</b>	Use normal caution. Fires will start easily.	**Units SHALL adhere to restrictions promulgated by RCO.**
<b>HIGH</b>	Use extra caution. Fires will start very easily.	<ul style="list-style-type: none"> <li>The use of tracers may be temporarily suspended. Handheld or grenade launched airborne pyrotechnics ARE NOT authorized.</li> <li>For interior Training Areas - blanks &amp; smoke (used in an ammo can) are authorized in cleared areas.</li> <li>For perimeter Training Areas (Bravo I, Bravo II, Charlie, Delta, Echo, Foxtrot, Golf, Hotel, India, Juliet, Lima, November and Sierra) ordnance or flame producing devices (including smoking) ARE NOT authorized.</li> <li>Smoking is permitted only in cleared areas or on fire breaks of interior raining areas.</li> </ul> <p>**Units SHALL adhere to any additional restrictions promulgated by RCO.**</p>
<b>VERY HIGH</b>	Use extreme caution. Fires are very hard to control.	<ul style="list-style-type: none"> <li>All previous restrictions apply.</li> <li>Authorized areas for increment burning will be identified by the RCO.</li> <li>Smoking is permitted only in cleared areas or on fire breaks of interior training areas.</li> </ul> <p>**Units SHALL adhere to any additional restrictions promulgated by RCO.**</p>
<b>EXTREME</b>	Flash condition. This is the highest class of fire danger. Fires started are practically impossible to extinguish and usually continue until danger rating conditions improve or burn themselves out. The utmost caution with fire-producing agents and devices must be exercised at all times.	<ul style="list-style-type: none"> <li><u>The firing of high explosives, pyrotechnics, incendiaries, or other ammunition likely to cause fires is prohibited unless specifically authorized by RCO.</u></li> <li>The use of any type of training/live ordnance (to include blanks), heat or flame-producing devices (heaters, welders, stoves, or open fires) in training areas is strictly prohibited unless authorized by RCO.</li> <li>No off-road activities by vehicles (HMMWVs, etc.) are permitted without authorization from RCO.</li> <li><u>Firing units will exercise maximum precautions to prevent fires from starting. Smoking shall not be permitted under any circumstances.</u></li> </ul> <p>**Units SHALL adhere to any additional restrictions promulgated by RCO.**</p>
<p><b>**The RCO will publish additional restrictions via the Range Control SharePoint site and OPSGRAM. Units should refer to this guidance prior to conducting training.</b></p> <p><b>**Note:</b> Fire breaks are to remain clear to allow transition or access by CPFD personnel when responding to fire emergencies.</p>		

## Weather Warnings and Advisories

1. **Thunder Storms:**
  - a. **THUNDERSTORM ADVISORY** - Thunderstorms are occurring or imminent for convective activity within 50 NM of MCAS Camp Pendleton.
  - b. **THUNDERSTORM CONDITION I** - Thunderstorms are occurring or are imminent over the next hour, within 10 NM of MCAS Camp Pendleton.
  - c. **THUNDERSTORM CONDITION II** - Thunderstorms are occurring or are imminent over the next 6 hours, within 25 NM of MCAS Camp Pendleton.
  - d. **30-30 Rule** - Follow the "30-30 Rule" when outdoors.
    - When lightning is observed, count the number of seconds before thunder sounds; if it is less than thirty seconds, cease all training and seek shelter immediately.
    - Take shelter in a building or vehicle,
    - If no structure is available reach an open, low area and squat down. Do not stand near tall, lone trees or stand up in a flat open area.
    - Avoid tall structures like power lines, towers, tall trees, etc.
    - Stay away from natural lightning rods (e.g. metal equipment)
    - Stay away from bodies of water.
    - After the storm dissipates, wait another thirty minutes before resuming outdoor activity.
  - e. **First Aid:**
    - If someone is struck by lightning, contact LONGRIFLE:
    - A person who has been struck by lightning may have a charge that can shock other people.
    - If the victim is burned, provide first aid treatment.
    - Provide CPR if the person has stopped breathing or if their heart has stopped.
  - f. **Report and avoid downed utility lines.**
2. **Flood Alert:**
  - a. Due to significant amounts of precipitation in the mountains around MCB Camp Pendleton, flash flooding may occur. Range Control will monitor flood conditions set by the AC/S G-3/5. The following Alert Conditions apply:

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- Alert Condition III. Rainfall is reported in Riverside or San Diego Counties of one to two inches on wet or saturated ground; four inches on dry ground; or local flash flood conditions.
  - Alert Condition II. Rainfall exceeds previous condition and visible flooding is detected upstream; or weather services forecast heavy thunderstorms, flash flood watches, or flash flood warnings.
  - Alert Condition I. Rainfall exceeds previous condition with bridges, roads, or culverts overflowing with water. Upstream fire departments are reporting local flooding.
- b. Unless otherwise directed by the AC/S G-3/5, ranges and training areas shall be secured upon reaching Alert Condition II.
3. **Coastal Hazards:**
- a. Coastal Flood Warning - Coastal flooding is occurring or is imminent in the next 12 hours, which poses a serious threat to life and/or property.
  - b. Coastal Flood Watch - Coastal flooding is possible in the next 24 hours, which would pose a serious threat to life and/or property.
  - c. Coastal Flood Advisory - Minor coastal flooding is occurring or is imminent in the next 12 hours, which poses a threat to life and/or property.
  - d. Storm Surge Warning - Localized heavy flooding due to storm surge caused by a tropical cyclone is occurring or is imminent in the next 12 hours, which poses a threat to life and/or property.
  - e. High Surf Warning - Destructive, pounding surf poses a danger to those in and near the water and may damage property near the shoreline.
  - f. High Surf Advisory - Pounding surf poses a danger to those in the water.
  - g. Rip Current Statement - Describes a risk of rip currents present in the specified area (may be issued as a beach hazards statement).

## Specific Non-Live Fire Training Events

1. **Rappelling, Fast Rope and HRST Operations**
  - a. RSO Must be a Rappel Master/Rope Master/HRST Master
  - b. Ensure that the proper number of certified Rappel/Rope/HRST masters are present at all times
- c. **Assault Climbing Events**
  - a. RSO Must be an Assault Climber or Mountain Leader
  - b. Ensure that the proper number of certified Assault Climbers are present at all times
- d. **Para-Ops**
  - a. The RSO must be a qualified Jump Master.
  - b. The RSO & DZ Commander must be present within the Drop Zone while training is being conducted.
- e. **Laser Operations**
  - a. Certified LSRO MUST be present
  - b. RSO may serve as both LSRO and RSO.
  - c. Ensures unit personnel employing lasers receive thorough safety briefings.
  - d. The LSRO will provide a copy of the laser-firing log to the RCO 24 hours following the completion of training.
- f. **Force-on-Force:**
  - a. OIC & RSO will ensure that:
    - That no personnel have conducted any live fire training within the past 24 hours. If any have, than they shall not be permitted to train.
    - All magazines are inspected to ensure no live ammo is present.
    - All ammunition delivered is either blank or approved SESAMS munitions.
    - All weapons are inspected to ensure that all are in condition 4 prior to training.
    - That all personnel who arrive after the safety brief is conducted and inspections have taken place will be given a safety brief and all magazines and weapons are inspected.

## Personal Protection Equipment (PPE) Requirements

1. Training casualties on operational ranges must be minimized through the use of appropriate Personal Protective Equipment (PPE).
2. Refer to specific orders, directives and range special instructions as to the level of PPE to be used with specific weapon systems and type of training.
3. PPE Level 1 **MUST** be worn for the following live fire training events:
  - a. Live fire and movement and maneuver
  - b. High explosives or grenades
  - c. Machine guns
  - d. Close Quarters Battle in shoot houses

PPE Level	Protection Required
0	Standard utility uniform, hearing/eye protection
1	Body armor and helmet, hearing/eye protection
2	Body armor with front/back enhanced small arms protective insert plates and helmet, hearing/eye protection
3	Body armor with front/back/side enhanced small arms protective insert plates and helmet, hearing/eye protection

Note: Civilian attire equivalent for PPE Level 0 is closed toed shoes, long trousers/pants and at a minimum, quarter length sleeved shirts.

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## Ammunition

1. **Joint Inventory shall** be conducted by OIC and the Ammo tech (2311).
  - a. DD Form 1348-1A (Official Supply Document From ASP) & Delivery of Ammunition and NAVMC 11381
2. **Ammo must only be delivered to appropriate ranges and training areas**
3. Drivers must have completed the explosive driver's course and the Ammo Guards must be armed.
4. All Security Code One (or "Category One") items (e.g., AT-4, LAW, etc.) shall be positively controlled by an E-6 (or above), from ASP pick-up to expenditure/return of unused ammunition.
5. The E-6 (or above) shall sign, escort, and observe use while maintaining control at all times. Any unused Category One item shall be returned to the ASP by an E-6 (or above).
6. Per Appendix F of reference (h), Category One item control may be turned over to another E-6 (or above) utilizing the DD Form 1907, Signature Tally Record, which is included with every Category One item.
7. **Ammo Expenditure Report/Accountability is conducted by the Range OIC**
  - a. NAVMC 11381
    - Nomenclature
    - Lot Number
    - Quantity
    - Requested/Received - **Filled Out at range by OIC prior to going hot**
    - Expended
    - Turned In
8. **Ammo Watch**
  - a. At a minimum there must be two guards at least one of which is an NCO and one armed.
  - b. The guards shall maintain hourly radio checks with LONGRIFLE.
  - c. The range must be scheduled via Range Scheduling.
  - d. The OIC must conduct an inventory of all ammunition prior to departing and upon returning to the range.
9. **Field ASP/AHA**
  - a. Submit request to establish a Field ASP/AHA to RCO (7 Working Days)
  - b. The Field ASP OIC shall ensure that all ammo is properly segregated and appropriate firefighting equipment is present.
  - c. The guard force shall consist of the following:
    - d. SNCO
    - e. Corpsman
    - f. **Watch Standers (shall be armed)**
    - g. All ammo will be issued to appropriate OICs on appropriate ranges.
    - h. NAVMC 11381s will be maintained by each OIC on each range.
10. **Report of Ammo Expenditure**
  - a. Prior to departing or going cold on a range, the OIC shall report all ammunition expended.
  - b. The Expenditure report will include the following:
    - **DoDIC**
    - **Nomenclature**
    - **Quantity Expended**
  - c. OICs will utilize their NAVMC 11381 to provide the report.

## Specific Live Training Events

1. In addition to OIC and RSO requirements, **weapons qualified PSOs** must be assigned for all static live fire, live fire and movement, and live fire and maneuver training as follows:
  - a. Vehicle weapons system - one PSO for each vehicle.
  - b. Crew served weapons on static range - one PSO for every two weapons.
  - c. Crew served weapons in a Support by Fire Position - one PSO for each weapon.
  - d. Dismounted personnel on static range - one PSO for every four shooters, day or night.
  - e. Dismounted personnel conducting Live Fire and Maneuver or Live Fire and Movement - one PSO for every four shooters during day time; one PSO for every two shooters during night time.
  - f. Close Quarters Battle – One PSO for each active team in a shoot house.
2. When **Range Guards** are not in sight of the RSO they are required to be posted in pairs of two with positive communication with the RSO.
3. **Minimum engagement distances** for RETS, PITS, or LARUE targets:
  - a. RETS & PITS
    - 25 meters – 5.56mm and below
    - 100 meters - .50 Caliber
    - Targets must not be exposed for a period longer than 30 seconds.
  - b. La Rue
    - 100 meters – 5.56mm, 7.62mm and .50 Caliber
4. **Authorized munitions** on RETS, PITS, and La Rue Targets:
  - a. RETS Targets – .50 Caliber and below (API or APIT) NO A606 RAFUS
  - b. PITS Targets – 7.62mm and below
  - c. La Rue Targets – 7.62mm and .50 Caliber (Target Type Specific) RAFUS (A606) is **UNAUTHORIZED** on La Rue targets.

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5. **Demolitions Ranges**
  - a. OIC ensures that the total NEW of explosives in demo pit does not exceed the range regulations.
  - b. OIC will calculate the max Ord for the total NEW to be detonated.
  - c. RSO verifies all calculations.
  - d. Over 5lbs NEW, heavy equipment required.
6. **Safety of Use Memorandums (SOUM)**
  - a. Are required to be read and on hand for specific training
  - b. SSRT, MILES, J-TAC, Flash Bangs, TOW, SMAW-NE & APOBS
7. **CS Gas & HC Smoke:**
  - a. RSO must be at least an E-5 or equivalent
  - b. Training shall be conducted by an NCO or above with an MOS of 5702, 5711.
8. Ensure that CS and Smoke Producing Devices are not used:
  - a. 1000 meters east of I-5 freeway or anywhere west of the I-5
  - b. At a distance less than 500 meters from all hard surface roads and built-up areas.
  - c. Units must submit a "CS Overlay" to Range Scheduling for RCO approval prior to use.
9. **Powder Burning**
  - a. FDR LOW, MODERATE, and HIGH: Burn Powder bags/Increments in scheduled AFA/MFA.
  - b. FDR is VERY HIGH or EXTREME: The unit conducting training shall burn powder at **AFA 16, 31, 43, MP1, MP6 MFA 14, R218A & R215A Burn Pits and R408 Concrete Pad** only, unless coordinated with LONGRIFLE.
  - c. During all powder burning activities, powder shall be burned in areas cleared to mineral earth, **and no closer than 200 feet to vegetation.**
  - d. Powder Burn Quantities: **Arty - not to exceed a total of 40 bags. Mortars – not to exceed 100 increments.**
  - e. Units shall have fire extinguishers, water, and shovels at the burn site.
  - f. Units shall **contact LONGRIFLE for permission prior to burning.**
  - g. **During FDRs of VERY HIGH and EXTREME, units shall remain at the burn site for 30 minutes after the last burn, ensuring no fires have been started in the surrounding vegetation**
10. **Battle Special Effects (BFX).**
  - a. **BFX are defined as:**
    - Any Black Powder Device
    - Any Propane/Black Powder IED Device
    - Any RPG Simulator Device
  - b. **BFX RM**
    - The Units Operation Risk Matrix shall list all BFX to be utilized.
    - The ORM will be signed by the Unit Commander, Unit OIC & RSO and the BFX Supervisor.
    - It is critical that all BFX activities are clearly listed and procedures have been developed that adhered to the supporting publications.
  - c. **Specific BFX Requirements OIC (GySgt (E-7) And Above):** OIC Shall:
    - Ensure that Only BFX listed and approved by the RCO is used. Give final authorization to fire each BFX IED or RPG.
    - Visually approve the location of all BFX and approved the designation of the minimum safety distances.
    - Ensure that reflective over pressures are calculated and minimum safety distances are adhered to.
  - d. **RSO (SSgt (E-6) & Above):** RSO shall:
    - Visually verify the location of all BFX and the designation of the minimum safety distances approved by the OIC.
    - BFX Site Supervisor & Operators:
      - All BFX operators & Supervisors shall attend the Camp Pendleton BFX Operators Class. The Site Supervisor shall be appointed via a letter from the contracting office.
      - All other operators shall hold a current state pyrotechnics card. Personnel that are not card holders may assist only.
      - BFX supervisor and operators shall check-in with the unit OIC and ensure that all IEDs are briefed and that all required safety measures are adhered to.
  - e. At no time shall any BFX be used in any enclosed space.
  - f. **At no time shall any BFX be used without "eyes on".**

## Contractor Supported Ranges

1. Contractor support is at **NO COST** to the unit.
2. Contractor support is **REQUIRED** to be scheduled if the unit intends to use the Range Public Address System or Automated Targets.
3. The contractor times **MUST** be scheduled in RFMSS, utilizing the "**USER FIELDS**" tab, for the duration of live-fire training.
4. If unit fails to schedule contractor times, use of the sound system or automated targets will **NOT** be authorized.
5. If the unit is a "no-show" one hour after the scheduled start time, the contractor can depart the range and is not required to return.
6. For further information concerning contractor support, contact TSD at 760-725-4444.

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## Aviation Training Events

1. **UAS Operations**
  - a. Other than FCC Part15 compliant “Drones”, unit must obtain frequency approval from Base Frequencies Manager before scheduling each event.
  - b. UAS RSO must be knowledgeable of the type of platform that is flying.
  - c. Multiple UAS operating within the same ACA require only (1) RSO as long as the following control measures are being met:
    - **RSO shall personally verify home location data for each platform prior to launch.**
    - Positive communication is being maintained with other launch sights.
  - d. **Standard ACA UAS Training** must be scheduled in RFMSS at least 7 working days prior to event.
  - e. **Non-Standard UAS training** must be scheduled at minimum 14 working days from the event.
  - f. **Launch/Recovery Site needs to be scheduled separately from the ACA.**
  - g. Submit UAS Brief Sheet & Overlay to RCO 14 Days Prior to Event.
  - h. UAS operating at Camp Pendleton shall remain within R-2503A and/or R-2503B.
    - **Available for use 0600-2359 daily**
    - Extended Airspace request must be submitted NLT 5 working days out from event.
  - i. RSO will be in compliance with both Technical and Field Manuals specific to the UAV platform IOT preclude any electromagnetic interference (EMI).
  - j. UAV operations shall be conducted in Visual Metrological Conditions (i.e. UAS are not authorized to fly during heavy cloud/fog events).
  - k. **UAS equipped with transponders shall be set to 4036.**
  - l. **Air Sentry posted at all times.**
3. **TACP:**
  - a. FAC/JTAC must submit a FAC brief sheet and with SIMCAS overlay (if conducting SIMCAS) no later than 14 working days prior to event.
  - b. Brief sheet and overlay will be submitted to Range Scheduling at [pndl\\_OTrangescheduling@usmc.mil](mailto:pndl_OTrangescheduling@usmc.mil)

## TACP OIC & RSO Requirements

OIC/RSO FAC/JTAC/LSSO	Controls			
	With No Ground Mark – No Laser	With No Ground Mark – With Laser	With Ground Mark – No Laser	With Ground Mark – With Laser
FAC/JTAC <small style="color: red;">From Grd Unit</small>	Yes	Yes	Yes	Yes
LRSO <small style="color: red;">From Grd Unit</small>	No	Yes	No	Yes
OIC <small style="color: red;">From Indirect Fire Grd Unit</small>	No	No	Yes	Yes
RSO <small style="color: red;">From Indirect Fire Grd Unit</small>	No	No	Yes	Yes
Certified FSC <small style="color: red;">From Grd Unit</small>	No	No	Yes	Yes

# New Walk-In RSO Test Site at R116B on Every Tuesday and Wednesday From 0900 - 1215.

Las Pulgas Road

Basilone Road

Coming From I-5 Exit Las Pulgas Rd and enter Camp Pendleton. Follow Las Pulgas Rd inland Until you reach Basilone Rd. Turn Right onto Basilone Rd. After 1.3 miles R116A shall be on your right. R116B Classroom Parking Lot.

From Vandegrift Rd turn onto Basilone Rd and drive 5 miles then turn left into the R116A and drive to the R116B Parking Lot Area.



Bldg. R116B Classroom

Parking

R116A



**RSO MUST CONTACT LONGRIFLE AND SEND OCCUPATION INFORMATION:**

**FOR LIVE-FIRE RANGES**

Longrifle this is (Unit) \_\_\_\_\_ at Range \_\_\_\_\_ request to occupy.

**RSO** (Range ID) \_\_\_\_\_ (Last Name) \_\_\_\_\_ (Rank) \_\_\_\_\_.

**OIC** (Range ID) \_\_\_\_\_ (Last Name) \_\_\_\_\_ (Rank) \_\_\_\_\_.

Number of Personnel \_\_\_\_\_.

1. **Ensure a typed ORM assigning in writing the OIC/RSO's and signed by the command must be on hand in order to conduct any type of training.**
2. **Unit must possess and utilize an Environmental Operations Map (EOM).**
2. Firing (**State types of ammunition**) DO NOT SEND DODIC's UNLESS REQUESTED.
3. **Before going hot have all ammo annotated on NAVMC 11381 with the OICs information filled out on top.**
4. **Units must possess and utilize a compass and a Colored Camp Pendleton map to identify the lateral limits for all non-KD ranges.**
5. **RSO and OIC must read and understand all Regulations pertaining to the Range utilizing the regulations located on the range in the ammo-can.** If missing from the ammo-can contact Longrifle and wait for an inspector to bring a copy to the range.
6. Verify Range Flag is posted.
7. **RSO must verify Corpsman and Safety Vehicle are present.**
8. **RSO requests the FDR (FIRE DANGER RATING) for the day.**
9. **RSO request's to go into an OCCUPIED, Hot, or Training status.**
10. Radio checks every **Bottom of the Hour** for ranges and facilities with ordinance, weather in an Occupied or Hot status.
11. **Positive Two Way RADIO Communication is required at all Times. NO CELL PHONES!**
12. **If communications is lost with Longrifle for any reason, then cease training until communication with Longrifle can be re-established!**

**RSO MUST CONTACT LONGRIFLE AND SEND OCCUPATION INFORMATION:**

**FOR TRAINING AREAS**

Longrifle this is (Unit) \_\_\_\_\_ in Training Area \_\_\_\_\_ at Grid \_\_\_\_\_

Request to Occupying the Following Training Areas. \_\_\_\_\_

Type of Training \_\_\_\_\_ Number of Personnel \_\_\_\_\_

We **(must / must not)** be using Blanks and or PYRO. **(Verify types of Blanks/Pyro)**

RSO (Range ID) \_\_\_\_\_ (Last Name) \_\_\_\_\_ (Rank) \_\_\_\_\_

OIC (Range ID) \_\_\_\_\_ (Last Name) \_\_\_\_\_ (Rank) \_\_\_\_\_ (If needed)

1. **Corpsman and Safety Vehicle is Present.**
2. **Signed typed ORM must be on hand in order to conduct any type of training.**
3. **Unit must possess and utilize an Environmental Operations Map (EOM).**
4. **RSO requests the FDR (FIRE DANGER RATING) for the day.**
5. **RSO requests to go into an OCCUPIED or Training status.**
6. **Radio checks at the Top of every Hour.**

**RSO MUST CONTACT LONGRIFLE AND SEND INFORMATION:**

**RSO/OIC CHANGE OVER**

RSO: Range ID \_\_\_\_\_ Name \_\_\_\_\_ Rank \_\_\_\_\_.

OIC: Range ID \_\_\_\_\_ Name \_\_\_\_\_ Rank \_\_\_\_\_.

1. **RSO and OIC have read and understand all Regulations pertaining to the Range utilizing the regulations located on the range in the ammo-can.**
2. **RSO requests the FDR (FIRE DANGER RATING) for the day.**
3. **RSO must request to remain in OCCUPIED or Training status.**

**RSO MUST CONTACT LONGRIFLE:**

**DEPARTING FROM LIVE-FIRE/TRAINING AREA**

1. **Police Call and accountability of all personnel/equipment is complete prior to inspection.**
2. The unit must call for a police call inspection **only** when they have enough transportation to be able to depart the range with all gear and personnel directly after passing the inspection.
3. Radio Checks must remain in effect until you have reached the nearest hard surface road.

**RSO MUST CONTACT LONGRIFLE SEND INFORMATION:**

**WHEN BIVOUCING ON A LIVE-FIRE RANGE AND OR / TRAINING AREA**

RSO FOR THE BIVOUCAC: Range ID \_\_\_\_\_ Name \_\_\_\_\_ Rank \_\_\_\_\_.

OIC FOR THE BIVOUCAC: Range ID \_\_\_\_\_ Name \_\_\_\_\_ Rank \_\_\_\_\_.

SENIOR PERSON FOR BIVOUCAC: Range ID \_\_\_\_\_ Name \_\_\_\_\_ Rank \_\_\_\_\_.

1. New RSO/OIC/ SR PERSON must verify they have read and understand all Regulations pertaining to the Range utilizing the regulations located on the range in the ammo-can.
2. Send 6 Digit Grid to Location using a Camp Pendleton Map.
3. **RSO requests the FDR (FIRE DANGER RATING) for the day.**
4. Send Total Number of Personnel Remaining on The Range/Training Area for Bivouac.
5. **Positive Two Way RADIO Communication is required at all Times. NO CELL PHONES.**
6. Once in a Bivouac Status **Monitor the Nets all Evening** Contact Longrifle at 06:00am.
7. At 06:00 Contact Longrifle and provide updates to OIC/RSO/Personnel/Ordnance/Waivers/Brfs information for training for that day.
8. Ammo Guards left on the range over night must be a minimum of two armed guards with at least one of which is a NCO. The guards must maintain hourly radio checks at the bottom of every hour with LONGRIFLE.
9. If guarding Category One type ammo there must be a SNCO or higher at all times with the CAT-1 items until expended or turned in back to the ASP.

**AIR PRIORITY TIMES ZULU IMPACT AREA:**

Base Order Chapter # 3

**Air Priority Days.** Aviation Operations have priority use of the **ZULU Impact Area** on **Wednesdays and Thursdays during the first three weeks of the month.** Ground Units desiring to conduct Close Air Support (CAS) Operations should schedule the event on Air Priority Days.

**Ground Priority Days.** Ground Operations have Priority Use of the ZULU Impact Area on Monday, Tuesday, Friday, Saturday and Sunday during the first three weeks of the month. During the last week of the month, ground operations have priority during the entire week.

# MEDEVAC PROCEDURES

**RSO / OIC MUST CONTACT LONGRIFLE (Do Not Call 911)**

LONGRIFLE this is (Unit) \_\_\_\_\_ at (Rng / Trng Area) \_\_\_\_\_ Grid \_\_\_\_\_

We have a have a **(Routine / Priority / Emergency)** Medevac.

**Emergency/Urgent (Life Threatening)** Requires immediate response, typically by civilian air ambulance. Must be transported in a timely manner

**Priority (Non-Life Threatening)** Evacuation may be performed by air or ground

**Routine (Minor Injuries)** Transport is accomplished via vehicle

We **(must or must not)** require assistance.

Number Injured \_\_\_\_\_

Type of Injuries \_\_\_\_\_

The Patient **(is or is not)** the following: **Breathing / Bleeding / Conscious.**

Cause of Accident \_\_\_\_\_

Injured Personnel Information (Sex) \_\_\_\_\_ (Age) \_\_\_\_\_

Unit \_\_\_\_\_

Destination of Injured Personnel \_\_\_\_\_ Time Departed \_\_\_\_\_

POC: Name and Rank \_\_\_\_\_ Phone \_\_\_\_\_

Emergency Contact Number: LONGRIFLE RANGE OPERATIONS (760)-725-4277

Frequencies: Primary (FM 40.35) Alternate (FM 30.35)

## RANGE INSPECTION SHEET

**Force-on-Force training is unauthorized within a 24 hour period from the end of the live fire event.**

Date:	Time Arrived:	Time Departed:														
Unit:	Range:	FDR:														
<b>OIC/FAC</b>	<b>RSO/LRSO/HRST/FAC</b>															
Rank:	Rank:															
Name:	Name:															
Range ID:	Range ID:															
Phone:	Phone:															
Positive Comm w/Longrifle Established ( <b>Radio Only</b> )	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Type of Training													
Range Regs/Brief Present, <b>Read and Understood</b>	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> NA														
Range Flag posted, Hot Status Light On ( <b>At Night</b> )	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> NA	<input type="checkbox"/> Static <input type="checkbox"/> HRST													
ORM On Hand ( <b>Typed &amp; Signed</b> )	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> NA	<input type="checkbox"/> EMP/CMP <input type="checkbox"/> ARTY													
Safety Vehicle, <b>Nonparticipating</b> Corpsman	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> NA	<input type="checkbox"/> BZO <input type="checkbox"/> CAS													
Range Fan Limits Identified ( <b>Remarks on method</b> )	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> NA	<input type="checkbox"/> LFAM <input type="checkbox"/> DEMO													
Range Guards with Positive Comm ( <b>If applicable</b> )	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> NA	<input type="checkbox"/> Other <input type="checkbox"/> Mortar													
Gates Locked ( <b>If applicable</b> )	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> NA	Brief# _____ Waiver# _____													
NAVMC 11381 ( <b>Filled out prior to going HOT</b> )	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> NA	Type of Weapons:													
Ammo Properly located separated by DoDICs & lot#	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> NA														
Live Ammo & Blanks/SESAMS Stored Separately	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> NA														
Misfire Can/Pit Properly Located and Marked	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> NA														
Data Card for AFA, MFA, and MP ( <b>Check FDC</b> )	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> NA														
Proper Targets Utilized ( <b>Remark on type</b> )	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> NA														
Eye and Hearing Protection ( <b>PPE If applicable</b> )	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> NA														
Range pass POV's ( <b>Truck Type Chassis</b> )	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> NA														
Type of AMMO:																
<table border="0" style="width: 100%;"> <tr> <td><input type="checkbox"/> The RSO has conducted a SAFETY BRIEF</td> <td><input type="checkbox"/> Correct all WPNS Malfunctions per the TM/FM and Unit SOP's</td> </tr> <tr> <td><input type="checkbox"/> FDR &amp; Wildlife Brief</td> <td><input type="checkbox"/> Colored Map, EOM Map, and Compass on Hand.</td> </tr> <tr> <td><input type="checkbox"/> Have the Weapons been LTI/PFI'ed.</td> <td><input type="checkbox"/> RSO/OIC have VERIFIED the LLL &amp; RLL's</td> </tr> <tr> <td><input type="checkbox"/> Report all FIRES to L/R with SIZE &amp; LOCATION</td> <td><input type="checkbox"/> RSO/OIC will identify type of demo training: Bare Charge, Tamped Charge, Non-Robust, or Robust.</td> </tr> <tr> <td><input type="checkbox"/> PSO's have been Briefed on their RESPONSIBILITIES</td> <td><input type="checkbox"/> Targets are made of:</td> </tr> <tr> <td><input type="checkbox"/> Unit has ___ 0931's &amp; ___ 0933's on Deck</td> <td><input type="checkbox"/> Unit shall call LONGRIFLE in the case of any Medevac.</td> </tr> <tr> <td><input type="checkbox"/> PSO's 1:4 DAY 1:2 NIGHT</td> <td><input type="checkbox"/> Conduct a good Police Call, Line out and Shake Down</td> </tr> </table>				<input type="checkbox"/> The RSO has conducted a SAFETY BRIEF	<input type="checkbox"/> Correct all WPNS Malfunctions per the TM/FM and Unit SOP's	<input type="checkbox"/> FDR & Wildlife Brief	<input type="checkbox"/> Colored Map, EOM Map, and Compass on Hand.	<input type="checkbox"/> Have the Weapons been LTI/PFI'ed.	<input type="checkbox"/> RSO/OIC have VERIFIED the LLL & RLL's	<input type="checkbox"/> Report all FIRES to L/R with SIZE & LOCATION	<input type="checkbox"/> RSO/OIC will identify type of demo training: Bare Charge, Tamped Charge, Non-Robust, or Robust.	<input type="checkbox"/> PSO's have been Briefed on their RESPONSIBILITIES	<input type="checkbox"/> Targets are made of:	<input type="checkbox"/> Unit has ___ 0931's & ___ 0933's on Deck	<input type="checkbox"/> Unit shall call LONGRIFLE in the case of any Medevac.	<input type="checkbox"/> PSO's 1:4 DAY 1:2 NIGHT
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**THIS INSPECTION DOES NOT RELIEVE THE OIC & RSO OF ANY RESPONSIBILITIES TO SAFELY EXECUTE ANY TRAINING EVENT IAW AR 385-63/16April2014, MCO 3570.1C/30January2012, BO 3500.1CH1/01July2014, and any applicable FMs or TMs, and Range Special Instructions or DIRECTIVES from the RCO.**

Inspector:	OIC:	RSO:
	OIC:	RSO:

**REMEMBER!!!**

<p><b>Ensure Unit goes cold 1 Hour prior to sunset, and no standing water or mud is in grenade throwing pits.</b></p> <p>RSO is required to check all gun settings (head space and timing, FDC/Gun line safety T's etc).</p> <p>All Mortar Increments are to be burned IAW BO 3500.10 &amp; MCRP 3-15.2A/FM 23-90</p>	<p><b>Helmets and flak shall be worn for the following live fire training events:</b></p> <ul style="list-style-type: none"> <li>➤ Live fire and movement/maneuver</li> <li>➤ High explosives or grenades</li> <li>➤ Machineguns</li> <li>➤ Close quarter battle in shoot houses</li> </ul> <p style="text-align: center;"><input type="checkbox"/> For all Weapons Incidents</p> <p style="text-align: center; color: red;"><b>FREEZE ALL DATA AND FALL TO THE REAR OF THE PIECE</b></p>	<p>CS chambers Requires a NCO 5711. Ensure the Unit waits 30 Mins. Before departure.</p> <p>SESAMS requires everyone within 150m safety perimeter shall wear protective equipment.</p> <p style="color: red;"><b>IIT requires two Fire Evacuation Drills Prior to going into a hot status.</b></p>
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\_\_OIC & RSO are required to be on the range and observing all training the entire time the range is Hot.

\_\_If an incident occurs involving a weapon, OIC & RSO shall ensure the weapon is left in the condition it was in when the incident occurred; do not attempt to clear the weapon.

\_\_Verify/Confirm the Range has been set-up is IAW the Range and Training Regulations, and paying particular attention to the Special Instructions portion of that range.

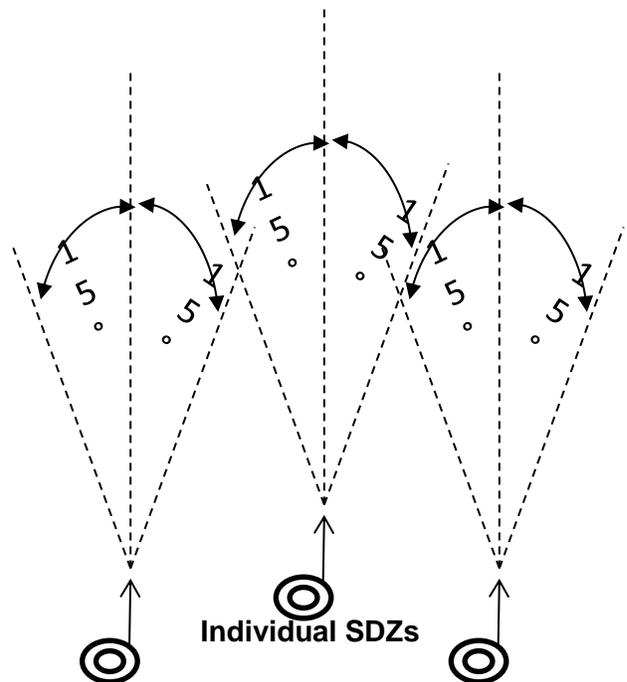
\_\_OIC & RSO ensure dry runs have been conducted prior to live fire training.

\_\_OIC & RSO ensure no-one goes beyond the limit of advance as stated in the Range Regulations for that range.

\_\_OIC & RSO shall ensure no-one ever goes into the High-Hazard Impact Areas of Quebec, Whiskey, and Zulu!

\_\_OIC & RSO ensure all weapons are condition 4 before departing any firing line or limit of advance/cease firing line.

NO FIRING OUTSIDE LATERAL LIMITS OF LANE  
OR FIRING POINT, NO CROSS LANE FIRE.



# Cease Use of Ammunition LOT

<u>Type of ammunition</u>	<u>Rate in %</u>
<b>High-explosive, target-practice, and chemical ammunition with all types of fuzes:</b>	
Duds	5
Misfires	1
<b>HEAT and HEP ammunition:</b>	
Duds and failure to penetrate	5
Misfires	1
<b>AP type:</b>	
Failure to penetrate or poor performance	5
Misfires	1
<b>Anti-personnel rounds:</b>	
Failure to function	5
Misfires	1
<b>Rockets:</b>	
Duds and poor performance	5
Misfires	1
<b>Guided Missiles:</b>	
Duds	1*
Misfires	1*
<b>Mines, grenades:</b>	
Duds	5
<b>Pyrotechnics (flares, signals, and so forth):</b>	
Duds or poor performance	10
<b>Illuminating shells:</b>	
Failure to illuminate	15
Misfires	1
<b>Bombs:</b>	
Duds	5
<b>Small arms (through .50 caliber):</b>	
Misfires	0.1
<b>Exception to the above:</b>	
Artillery with fuzes set DELAY-duds	15
Burning-type grenades-duds	20
Failure to trace (20-mm and above)	20
Failure to self-destroy (if applicable)	10
Flare, surface, trip M49 series-duds	10
Projectile, 155-mm; illuminating, M118 series-duds	20
Simulator, booby trap, illuminating, M188-duds	10
Ammunition, 20-mm duds, 150 rounds	3

**Notes:**

**For CPEND, Cease use of LOT of Ammunition if Malfunction Rate Meets Percent**

**Guided Missiles Rate is Number NOT Percent**

# Scheduling and Safety Requirements for a Successful Training Event

## Scheduling of Ranges/Training Facilities and Site Surveys

1. Review Special Instructions in either ROD SharePoint or RMFSS Libraries to select appropriate Range/Training Facility for training requirements.
2. Conduct site survey of Range/Training Facility.
3. For site survey:
  - a. Positive radio communication with LONGRIFLE.
    - i. 40.35 FM Primary Ground Safety Net.
    - ii. 30.35 FM Alternate Ground Safety Net.
  - b. Appropriate Vehicle.
  - c. Camp Pendleton Military Information Map.
  - d. Environmental Operations Map (EOM).
  - e. Gas lines restrictions map.
  - f. Road and River Report.
  - g. FDR Sheet.
4. Submit Request for Range/Training Facility with unit S-3/G-3 through RFMSS.
5. Verify with unit S-3/G-3 that request was approved by Range Scheduling prior to occupying Range/Training Facility.

## Conducting Non-Live Fire Training

1. Positive radio communication with LONGRIFLE:
  - a. 40.35 FM Primary Ground Safety Net.
  - b. 30.35 FM Alternate Ground Safety Net.
2. Appropriate Vehicle.
3. Range Safety Officer (RSO).
  - a. Unit S-3/G-3 Verified current CPEND and Marine Net Range Safety.
4. Combat Life Saver (CLS).
5. ORM.
6. Camp Pendleton Military Information Map.
7. Environmental Operations Map (EOM).
8. Gas lines restrictions map.
9. Road and River Report.
10. FDR Sheet.
11. Government Safety Vehicle.

## Conducting Live Fire Training

1. Positive radio communication with LONGRIFLE:
  - a. 40.35 FM Primary Ground Safety Net.
  - b. 30.35 FM Alternate Ground Safety Net.
2. Appropriate Vehicle.
3. Officer In Charge (OIC).
  - a. Unit S-3/G-3 verified current CPEND and Marine Net Range Safety.
4. Range Safety Officer (RSO).
  - a. Unit S-3/G-3 verified current CPEND and Marine Net Range Safety.
5. Corpsman.
6. ORM.
7. NAVMC 11381.
8. Camp Pendleton Military Information Map.
9. Environmental Operations Map (EOM).
10. Gas lines restrictions map.
11. Road and River Report.
12. FDR Sheet.
13. Government Safety Vehicle.