DEPARTMENT OF THE ARMY

# 670TH MILITARY POLICE COMPANY

# 303 PALM AVENUE

# NATIONAL CITY, CALIFORNIA 91950-1723

NGCA-MPB-E 1 July 2014

MEMORANDUM OF INSTRUCTION

SUBJECT: M16/M4 Series 25 Meter Zero and 25-meter Scaled Target Alternate Course of Fire

1. PURPOSE: Outline the requirements for the M16/M4-series rifle zero and qualification ranges to be conducted on 22-24 July 2014.

2. TRAINING OBJECTIVE: Conduct a safe and accurate range resulting in the familiarization and qualification of all individuals on the M16/M4-series rifle.

3. REFERENCES: FM 3-22.9, TM 9-1005-319-10, DA Form 5790-R, AR 385-63.

4. EXECUTION:

 a. CONCEPT OF TRAINING

 (1) NLT 212200TJUL2014, 670 MP Soldiers will have completed preliminary marksmanship instruction (PMI) for the M4-series rifle, with individual platoon leadership conducting additional training and familiarization as needed. PMI will utilize standards laid out in FM 3-22.9 Rifle Marksmanship M16/M4 Series Weapons and TM 9-1005-319-10, going over zero procedures and standards, firing positions, shooting fundamentals, and how to act as coaches during zeroing.

 (2) Required range personnel will report to the designated staging area for accountability formation and final PCCs/PCIs. Vehicles will depart at the designated time (see OPORD/ Execution Matrix for locations/times).

 (3) Once Zero and Qualification ranges are occupied, the OICs and RSOs will complete range set up and safety checks, and confirming and marking left and right limits per range special instructions. Once complete, Range OICs will conduct briefing on proper scoring, and individual ranges will conduct at least one rehearsal in order to ensure all personnel are familiar with the conduct of the ranges.

 (4) 670 MP Solders will arrive at the designated time (TBD) and occupy briefing area at zero range in order to receive range safety briefing. Upon completion of the briefings, soldiers will be broken down into their firing orders and begin zero. Ranges to go hot NLT 220900TJUL2014. Once zeroed, Soldiers will be directed to the qualification range. Specific range operations are outlined in Enclosures 4 and 5.

 (5) Qualification will begin when the first 6 (six) Soldiers arrive from the zero range and are prepared to qualify. Soldiers will be briefed in order to receive range specific safety and range briefing. Upon completion of the briefings, soldiers will be broken down into their firing orders and move to the firing line in order to conduct the 25-Meter Alternate Course of Fire

which consists of three firing tables; prone supported, prone unsupported, and kneeling unsupported firing positions.

 (6) Upon completion of the range training and qualification, all Soldiers will police firing positions for brass and other debris and assist with overall range breakdown.

 b. COORDINATING INSTRUCTIONS:

 (1) Range NCOICs will provide the range OICs with a list of each solider on the firing order prior to that order firing.

 (2) Uniform for firers will consist of: ACUs, ACH/Kevlar, IBA/IOTV with pouches/vest with pouches, pro-mask, canteens (x2) or Camelbak, ear plugs, eye protection, gloves, pen/paper, and assigned weapon. Knee and elbow protection are not required but advised. Safeties uniform will consist of: ACUs, ACH/Kevlar, IBA/IOTV, canteens (x2) or Camelbak, ear plugs, eye protection, gloves, and pen/paper (assigned weapon will be secured with ammo detail).

 (3) No POV's are authorized on the range.

 (4) Safety IAW Army and Camp Pendleton regulations and range specific special instructions.

 (5) Safe conduct of training is paramount. All personnel will call “cease fire” if they observe an unsafe act.

 (6) Prior to range set up, 1LT Young will coordinate and assign names from 1 PLT to the following positions (all personnel will be relieved when alternate Soldiers become available in order to qualify their personal weapons);

 (a) M4 Range OIC 1LT Young

 (b) M4 Range NCOIC/RSO SGT Ahumada

 (c) M4 Range Safeties Safety NCOs (determined by # of soldiers to fire. 1 per 3 shooters). Additional NCOs from firing unit will be drawn as needed to serve as safeties from the firing unit.

 (d) Zero Range OIC SSG Swedberg

 (e) Zero Range NCOIC/RSO SGT Vasquez

 (f) Zero Range Safeties/Verifier Safety NCOs (determined by # of soldiers to fire. 1 per 3 shooters). Additional NCOs from firing unit will be drawn as needed to serve as safeties from the firing unit.

 (g) M4 Range Tower/Narrator

 (h) Zero Range Tower/Narrator

 (i) M4 Range Primary Medic

 (j) Zero Range Primary Medic

 (k) M4 Range Ammunition Team 3, 1 PLT Personnel (replaced when able IOT qualify). 2 personnel, per platoon currently shooting will be selected to assist. Ammunition detail will record number of magazines handed out, the amount of ammunition used/remaining, the number of firers, and will collect scorecards when complete.

 (l) Zero Range Ammunition Team 3, 1 PLT Personnel (replaced when able IOT qualify). 2 personnel, per platoon currently shooting will be selected to assist. Ammunition detail will record number of magazines handed out, the amount of ammunition used/remaining, the number of firers, and will collect scorecards when complete.

 (m) PMI Instructors (during ranges) SGT Vidales, Assistant-TBD (replaced when able IOT qualify).

 (n) Guards (if required):

 (o) SFC Smith will coordinate vehicles and Soldiers for the following duties as well as replacements for those in range detail positions:

 1. Vehicles with Commo to Range Control (2, 1 ea per range).

 2. MEDEVAC vehicles (2, 1 ea per range). This vehicle will have a driver and 1 combat Lifesaver, who are capable of carrying a litter. This vehicle will also have working commo to range control. In addition ensure that Red crosses are available for the vehicle.

 (p) Concurrent training will consist of the mobilization related (31E) training.

5. SUPPORT:

 a. Ammunition: SSG Martin/Company Operations will coordinate ammunition pickup, security, storage, accountability, and transportation.

 b. Transportation: Each (squad, section, platoon) will be responsible for transporting their personnel to the range. All weapons will be transported by government vehicle.

Vehicles will be dispatched, topped off, PMCsd and prepared for movement. SP times and Serials will be determined by company/PLT OPORD, training schedule and Execution Matrix.

 c. Feeding: See PLT OPORD, OPORD 1 PLT 06-2014, Para 5.

 d. Communications:

 (1) SSG Swedberg will sign out 6 handheld radios from the commo section /supply (1 ea for the OICs, 1 ea for the RSOs, and 2 for any gate needs).

 e. Supply and Services:

 (1) The Supply Sergeant will ensure that the following items are prepared and package for range use. SFC Smith and SSG Harris are responsible for picking up, transporting, and returning any unused items to supply:

 (a) 350, 25-Meter Alternate Course Scaled Qualification Target, NSN 6920-01-167-1398.

 (b) 350, 25 Meter Zeroing Target M16A2 and M4 Carbine, NSN 6920-01-395-2949

 (b) 30, target stands with capability of hanging/securing paper targets, .

 (c) 4, heavy-duty staple guns/staplers with 4 boxes of staples (that fit staple guns).

 (d) 2 rolls white engineer tape.

 (e) 2 rolls 100mph tape, green.

 (f) 6 clip boards.

 (g) 2 ea, bullhorns / PA system.

 (h) 8 range paddles (red/white or red/green).

 (i) 3 stop watches.

 (j) 180, M16/M4, 5.56 MM magazines. 150 for M4 Range, 30 for Zero Range.

 (k) 1 box each of Red and Black sharpie permanent markers

 (l) 4 road guard vests.

 (m) Rags, 1 bundle.

 (n) 4, 5 Gallon Water Cans

 (o) Trash bags

 (p) Cups, Styrofoam

 (q) 300, Alternate Pistol Qualification Score cards, DA From 5704-R

 (r) 5 packs, Paper towels

 (s) 10 rolls, Toilet Paper

 (t) 2 (minimum) Combat Lifesaver Bags for medic and MEDEVAC vehicle. \*\*\* Supply Sergeant will ensure that Combat lifesaver bags are properly stocked for pick up by the combat lifesaver.

 (u) Box, earplugs, foam.

 (v) 2, Rod, brass (for clearing).

 (w) Tape measure: capable of meters (in order to measure 25 meters).

 (x) Camo Netting, tentage, or tarp; needed for shade on range.

 (y) Red crosses for MEDEVAC vehicle (can be magnetic or taped to side of vehicle).

 (z) 4 engineer pickets/stakes (they will be wrapped with white engineer tape and used as left and right limit posts).

 (aa) 10 pieces of 2x2 foot (minimum) cardboard to make signage; TOWER, PRACTICE AREA, READY-LINE, FIRING LINE, AMMO POINT, NEXT FIRING ORDER, etc.

 (bb) 15 Target box paddle (DVC-T-7-86); for use on zero range.

 (cc) 40 E-type silhouettes or other backing material to staple targets.

 (dd) 2, Fire extinguishers.

 (ee) Boxes/ammo cans, 6 (for brass collection).

 (ff) 12, booklets of chapter 5, FM 3-22.9; for coaches and Safeties.

 e. MEDICAL: The medic and combat lifesaver will remain present at all times on both ranges.

6. COMMAND AND SIGNAL:

 a. COMMAND

1. Range Command as follows:

 (a) M4 Range OIC – 1LT Young

 (b) M4 RSO/NCOIC – SGT Ahumada

 (c) Zero Range OIC – SSG Swedberg

 (d) Zero Range RSO/NCOIC – SGT Vasquez

 b. SIGNAL:

 (1) Call Signs and Frequencies:

 (a) Call Signs: See PLT OPORD, OPORD 1 PLT 06-2014.

 Guards: GATE

 Range Control: LONG RIFLE

 (b) Frequencies:

 Primary Base Ground Safety: 49000

 Alternate Base Ground Safety: 30350

 Emergency (cell): LONG RIFLE, 760-725-3975

 Hand Held: Hand held frequencies will be determined at the range and dependant on type of equipment issued.

 (2) Communication Procedures:

 (a) RSO will establish comms with LONG RIFLE prior to occupying range. This will be done by identifying the unit and range number (not call sign).

 (b) Conduct radio checks with LONG RIFLE at the BOTTOM of every hour that the range it hot.

 (c) OICs and RSOs will be notified by GATE of any VIPs entering range area.

8. TIMELINE: Refer to PLT OPORD, training schedule and Execution Matrix.

9. The POC for this memorandum is the undersigned at cellular 925-337-2817 or email brock.j.young.mil@mail.mil.

 ////ORIGINAL SIGNED////

4 Encls BROCK J. YOUNG

1. ORM and DRM Zero and M4 Alt. Qual 1LT, MP

2. Safety Briefing Platoon Leader

3. Action, Conditions, and Standards for the

25-Meter Scaled Target Alternate Course of Fire

4. Qualification; Personnel Responsibilities,

Conduct, Range Brief, Tower Commands, Overlay

5. Zero Range; Personnel Responsibilities,

Conduct, Range Brief, Tower Commands, Overlay

4. Course Overlay/Conduct APQC

**ENCLOSURE 2**

SAFETY BRIEFING: Conducted by the OIC. Used on both ranges.

***-THIS IS YOUR RANGE SAFETY AND ORIENTATION BRIEFING.***

***- I AM \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, AND ON BEHALF OF 1 PLT, WELCOME TO YOUR M4 ZERO/QUALIFICATION.***

***-WHEN NOT ON THE FIRING LINE, ENSURE THAT YOUR WEAPON'S SELECTOR LEVER IS ON SAFE AND THE BOLT IS LOCKED TO THE REAR. IF NOT SURE, CHECK. THEN CHECK AGAIN.***

***-MEDICAL PERSONNEL ARE LOCATED \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.***

***-THE DESIGNATED SMOKING AREA IS\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.***

***-LATRINES ARE LOCATED \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.***

***-THE AMMO POINT IS LOCATED \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.***

***- ALL FIRERS WILL ENTER AND EXIT THE FIRING LINE AT THE ENTRY OR EXIT POINT. THE ENTRY AND EXIT POINT IS LOCATED \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.***

***-LEFT AND RIGHT LIMITS OF THE RANGE ARE\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. FIRERS WILL NEVER FIRE OUTSIDE OF THESE LIMITS AND WILL CALL CEASE FIRE IF THEY SEE ANY PERSON, ANIMAL, VEHICLE, OR LOW FLYING AIRCRAFT DOWN RANGE.***

***-ANYONE OBSERVING AN UNSAFE ACT WILL IMMEDIATELY CALL “CEASE FIRE,” PLACE THE WEAPON ON SAFE, PLACE IT IN THE V-NOTCHED STAKE OR LAY IT ON THE SANDBAGS, AND GIVE THE VERBAL AND VISUAL COMMAND OF CEASE FIRE.*** (Demonstrate)

***-RANGE WALK AT ALL TIMES, DO NOT RUN.***

***-BEFORE OCCUPYING A FIRING POSITION, INSPECT IT FOR WILDLIFE OR OBSTRUCTIONS. DO NOT TOUCH ANY ANIMAL OR INSECT.***

***-ALWAYS KEEP YOUR WEAPON'S MUZZLE POINTED DOWNRANGE WHEN ON THE FIRING LINE, AND KEEP THE FINGER OUTSIDE OF THE TRIGGER HOUSING AREA WHEN MOVING TOO OR FROM YOUR FIRING POSITION.***

***-NEVER TOUCH A WEAPON WHILE PERSONNEL ARE DOWNRANGE OR IN FRONT OF THE FIRING LINE.***

***-LOAD THE WEAPON ONLY ON COMMAND FROM THE TOWER.***

***-USE OF ALL PPE IS MANDATORY ON THIS RANGE. NEVER FIRE WITHOUT USING HEARING PROTECTION. WHO DOES NOT HAVE ALL OF THEIR PPE; “EYES & EARS;” AT THIS TIME?***

Check to ensure all firers have applicable PPE.

***-WHEN ENTERING OR EXITING THE FIRING LINE, ENSURE THAT RANGE PERSONNEL CLEAR YOUR WEAPON WITH A CLEANING ROD.***

***-ONCE CLEARED OFF OF THE FIRING LINE, FIRERS REPORT TO THE AMMUNITION POINT AND TURN IN ALL BRASS AND UNEXPENDED AMMUNITION.***

***-EATING IS NOT PERMITTED ON THE FIRING LINE UNLESS THE TOWER PERMITS. DRINKING WATER WILL BE DONE AS NEEDED AND OFTEN.***

***-IF ONE OF THE SAFETIES CORRECTS YOU, DO NOT ARGUE, DO NOT QUIBBLE; COMPLY IN ORDER TO FACILITATE SAFE TRAINING OR BE REMOVED.***

***-I AM THE RANGE OIC, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.***

***-MY NCOIC IS \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.*** (if different than RSO)

***-MY RSO IS \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.*** (if different then NCOIC)

***-ARE THERE ANY QUESTIONS?***

OIC will turn over the briefing to the NCOIC/RSO.

**ENCLOSURE 3**

**ACTION, CONDITIONS, AND STANDARDS FOR THE 25-METER SCALED TARGET ALTERNATE COURSE OF FIRE**.

The 25-meter scaled target alternate course of fire will begin when a minimum of 6 firers have completed zero and have arrived in the briefing area. Safeties and Range Personnel will ensure that Soldiers are moving promptly from one range to the next and not wasting time.

**1. Action:** Conduct a for record, 25-meter scaled target alternate course qualification.

**2. Conditions:**

 **a. Table 1, Prone Supported.** Given a supported fighting position, 1, 20-round magazine, in daylight, with 120 seconds, engage the 25-meter scaled target with two rounds into each silhouette.

 **b. Table 2, Prone Unsupported.** Given an unsupported fighting position, 1, 10-round magazine, in daylight, with 60 seconds, engage the 25-meter scaled target with one round into each silhouette.

 **c. Table 2, Kneeling Unsupported.** Given a kneeling unsupported fighting position, 1, 10-round magazine, in daylight, with 60 seconds, engage the 25-meter scaled target with two rounds for each silhouette at 50 and 100 meters, and one round at each 150-meter silhouette.



**3. Standards:** The qualification standards for the 25-meter scaled target alternate course of fire are as follows:

a. 

 b. The following will be the maximum allowed number of strikes per silhouette. Any additional strikes in a single silhouette will not count:

50 = 5

3x100 = 5 ea

2x150 = 4 ea

2x200 = 3 ea

250 = 3

300 = 3

 c. Upon completion and when directed, the firer will take their target, scorecard card, weapon, and magazines to the entry/exit point to be rodded off the range, turning in their score card and target to the ammo point.

d. Assistance. Leadership should correct errors and instruct Soldiers on correct form for shooting PRIOR to the shooter entering a firing order. During record fire, no one may help the firer while or after they takes their position at the firing point.

e. Alibis and Malfunctions. It is the Soldier’s responsibility to correct any malfunctions they may have, applying immediate action (SPORTS). Lack of understanding on how to perform immediate action will not constitute an appropriate reason for an alibi. Alibis will only be granted for malfunctions that are no fault of the firer; e.g. faulty magazine, ammunition, etc.

**ENCLOSURE 4**

**25-METER SCALED TARGET ALTERNATE COURSE QUALIFICATION; PERSONNEL RESPONSIBILITIES, CONDUCT, RANGE BRIEF, TOWER COMMANDS, OVERLAY.**

**1. Personnel:** (This is not including the mandatory range personnel; these are Medic and driver, and RTO)

 a. OIC: Overall in charge of range. Will give safety/orientation briefing. Briefs RSO and Range Personnel on range operations.

 b. RSO: In charge of safety, safe conduct of the range, and adherence to all applicable regulations (may be the NCOIC but **CANNOT** take part in any training). Oversees the performance of the safety personnel to ensure they are performing their duties.

 c. NCOIC: Will give Range Briefing following the OIC. Ensures movement of Soldiers through range; ensures range details are conducting themselves quickly and efficiently; ensures ammo personnel are keeping accurate count of ammunition and Soldiers moving through point.

 d. Tower/Narrator: Responsible for keeping the range moving in an orderly fashion using the tower commands. Keeps time, ensures Soldiers are moving with a sense of purpose, and assists the RSO and oversees the safeties ensuring they are performing their duties.

 d. Ammo Team:

 (1) Ammo NCO/SPC: Runs ammo point. Responsible for preventing a loss of ammo; accounting for the number of rounds fired; and number of personnel qualified, not qualified are currently on the range, and who have been through the ammo point.

 (2) Ammo Leader/Data Collector: Assists Ammo NCO. Maintains running count of number of rounds fired; and number of personnel qualified, not qualified, are currently on the range, and who have been through the ammo point.

 (3) Ammo Loader/Runner: Assists Ammo NCO.

 e. Safeties/Scorers: Will ensure all firers are complying with tower commands in the allotted times. Will move forward with firers to score targets. Will replace targets as needed. The senior Safety/ Scorer will be placed in charge to ensure all actions are completed in an efficient manner.

 f. PMI Instructor: Standing by in the practice area to retrain Soldiers who fail to zero/qualify. Determines when SM should move back to zero range.

**2. Conduct:** Will be rehearsed at least once prior to going hot.

 a. Prior to the range brief:

 (1) Each firer will be given a blank scorecard (DA Form 5790-R). The firer will fill in their LAST NAME, FIRST NAME in the box labeled “ID CODE”; “670 MP CO” in labeled “UNIT”. The safety/scorer will add in their information when applicable. The OIC, NCOIC, or RSO will BPT give the safety and range briefs. No Soldier will be allowed to the firing line who has not received the safety/range brief.

 (2) Safeties will ensure all targets are secure.

 b. RSO/NCOIC will direct the first firing line will move to the ammo point with weapons up and down range, ensuring that they have their score card in their possession.

 c. Ammo point will issue firers 1, 20-round magazine (Table 1) and 2, 10-round magazines (Tables 2 and 3). Ammunition point will keep track of magazines, the amount of ammunition issued, and number of Soldiers moving through ammo point. Ammo point will hold next firing order at ammo table until called forward by tower.

 d. Firers will move through the entry/exit point to be rodded onto the range by the OIC, RSO or designated range cadre. They will move to their designated firing position, lay their weapon and magazines on the sandbag/stake, and step back.

 e. First firing order will move to sand bags, prepare position and take all commands from tower. Additional firing lines will be issued ammo, rodded onto the range and move to their designated firing positions between firing tables. No more than 2 firing orders (shooting and on deck) should be at the firing point. A third firing order will be standing by at the ammo point. Ammo point will work with NCOIC and tower to determine when to push the next firing order through the entry/exit point.

 f. Upon completion of Table 3, the firing line will place unloaded weapons on the sandbag/stake, and move forward with their score cards to be scored. Safeties will score the firers, only counting those strikes that touch the silhouettes. Concurrently, next firing order will begin adjusting sandbags for their iteration; **AT NOT TIME SHOULD WEAPONS BE HANDLED WHEN SOLDIERS ARE DOWN RANGE**. When complete, firers will return to firing line with targets and scorecards, secure their weapons, move to the entry/exit point, and then to the ammo point. Turn in all unused ammo. No ammo will be saved to be used on another iteration.

 g. At the ammo point: Firers will turn in magazines, unused ammunition, score cards and target. Ammo point will secure scorecard; confirm it is filled out completely/ accurately; and annotate firers name, score, and if they qualified/did not qualify on roster. If the Soldier did not qualify, the ammo point will determine if Firer needs retraining or to re-zero. Firers who did not qualify will report for additional PMI; ammo point will contact zero range to confirm SM zeroed correctly (those that did not will be counseled by OIC).

**3. Range Brief:** M4 Range NCOIC/RSO Brief.

***-I AM \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, THE (NCOIC/NCOIC AND RSO), AND I WILL DESCRIBE WHAT IS GOING TO HAPPEN TODAY.***

***-THE ACTION, CONDITIONS, AND STANDARDS FOR TODAY’S TRAINING ARE:***

***-ACTION: 25-METER SCALED TARGET ALTERNATE COURSE QUALIFICATION.***

***-CONDITIONS: YOU WILL HAVE 40 ROUNDS, TO FIRE FROM THE PRONE SUPPORTED, PRONE UNSUPPORTED, AND KNEELING UNSUPPORTED POSITIONS, AT THE 25-METER SCALED TARGET.***

***-STANDARD: MUST SCORE 23 HITS TO QUAL; 23-29 MARKSMEN; 30-35 SHARPSHOOTER; 36-40 EXPERT. ROUNDS IN EACH TARGET; 5 RNDS IN 50, 5 RNDS IN EACH 100, 4 RNDS IN EACH 150, 3 RNDS IN EACH 200, 3 RNDS IN 250, 3 RNDS IN 300.***

***-AT THIS TIME YOU SHOULD BE ZEROED TO YOUR WEAPON, IF YOU ARE NOT, YOU NEED TO RETURN TO THE ZERO RANGE. IF YOU NEED ADDITIONAL TRAINING ON YOUR FUNDAMENTALS, REPORT TO THE PMI RANGE. WE WILL FIND OUT IF YOU NEED HELP.***

***-WE WILL ACCOMPLISH TODAY’S QUALIFICATION BY MOVING QUICKLY FROM POINT TO POINT. AFTER THIS BRIEFING, THE FIRST/NEXT FIRING ORDER WILL MOVE TO THE AMMUNITION POINT WHERE YOU WILL DRAW 3 MAGAZINES, WITH 40 ROUNDS.***

***-THERE WILL BE ONE FIRER, AND ONE FIRER ON DECK AT EACH FIRING POINT AT ALL TIMES, WITH ONE FIRING ORDER STANDING BY AT THE AMMO POINT. THE REMAINING FIRING ORDERS WILL PREPARE FOR FIRING CONTINUING TO WORK ON YOUR FUNDAMENTALS. BE PREPARED TO DRAW AMMUNITION AND MOVE TO THE ENTRANCE TO THE FIRING LINE.***

***- TAKE ALL COMMANDS FROM THE TOWER AND SAFETIES. ARE THERE ANY QUESTIONS OVER WHAT I HAVE COVERED?***

**4. Tower/Narrator Commands and Time Hacks:** M4 Range.

Beginning for first firing order:

**-FIRST FIRING ORDER, MOVE FORWARD AND TAKE UP A GOOD, PRONE SUPPORTED FIRING POSITION.** (go to “\*\*\*” below)

Beginning for all other firing orders:

**-\*NEXT FIRING ORDER, MOVE FORWARD AND ADJUST YOUR SANDBAGS. DO NOT HANDLE OR ADJUST YOUR WEAPON. WHEN COMPLETE, BEGIN POLICING THE BRASS AROUND YOUR FIRING POSITION.**

Once all Safeties and firers have returned to firing line.

**-ARE THERE ANY PERSONNEL STILL DOWNRANGE? RIGHT SIDE CLEAR? LEFT? THE FIRING LINE IS NOW CLEAR.**

**-NEXT FIRING ORDER, COLLECT YOUR WEAPON AND TAKE UP A GOOD, PRONE SUPPORTED FIRING POSITION.**

**-\*\*\*SAFETIES, ENSURE FIRERS HAVE IDENTIFIED THE CORRECT TARGET FOR THEIR POSITION.**

**-IS THE FIRING LINE READY? READY ON THE RIGHT, READY ON THE LEFT?**

**-FIRERS, LOCK AND LOAD YOUR 20 ROUND MAGAZINE.**

**-READY ON THE RIGHT? LEFT? THE FIRING LINE IS READY.**

**-FIRERS, PLACE YOUR SELECTOR LEVER ON SEMIAUTOMATIC, AND COMMENCE FIRING.**

Time 120 seconds (2 minutes).

**-CEASE FIRE, CEASE FIRE. LOCK AND CLEAR YOUR WEAPONS. ARE THERE ANY ALIBIS?** Allow alibis to fire only if there was an ammunition or magazine malfunction.

**-CLEAR ON THE RIGHT? LEFT? THE FIRING LINE IS CLEAR.**

**-FIRERS, ASSUME A GOOD PRONE, UNSUPPORTED POSITION.** Allow 1 minute to transition

**-FIRERS, LOCK AND LOAD ONE, 10 ROUND MAGAZINE.**

**-READY ON THE RIGHT? LEFT? THE FIRING LINE IS READY.**

**-FIRERS, PLACE YOUR SELECTOR LEVER ON SEMIAUTOMATIC, AND COMMENCE FIRING.**

Time 60 seconds (1 minute).

**-CEASE FIRE, CEASE FIRE. LOCK AND CLEAR YOUR WEAPONS. ARE THERE ANY ALIBIS?** Allow alibis to fire only if there was an ammunition or magazine malfunction.

**-CLEAR ON THE RIGHT? LEFT? THE FIRING LINE IS CLEAR.**

**-FIRERS, ASSUME A GOOD KNEELING FIRING POSITION.** Allow 1 minute to transition

**-FIRERS, LOCK AND LOAD ONE, 10 ROUND MAGAZINE.**

**-READY ON THE RIGHT? LEFT? THE FIRING LINE IS READY.**

**-FIRERS, PLACE YOUR SELECTOR LEVER ON SEMIAUTOMATIC, AND COMMENCE FIRING.**

Time 60 seconds (1 minute).

**-CEASE FIRE, CEASE FIRE. LOCK AND CLEAR YOUR WEAPONS. FIRERS PLACE YOUR WEAPONS ON THE SANDBAGS/STAKE AND STAND UP. ARE THERE ANY ALIBIS?** Allow alibis to fire only if there was an ammunition or magazine malfunction.

**-CLEAR ON THE RIGHT? LEFT? THE FIRING LINE IS CLEAR.**

**-FIRERS ENSURE YOU HAVE YOUR SCORECARD AND MOVE WITH THE SAFETIES TO YOUR TARGETS. SAFETIES SCORE THE TARGETS ACCORDINGLY. ONCE SCORED, MOVE BACK TO THE FIRING LINE, COLLECT YOUR EMPTY MAGAZINES, WEAPON AND MOVE BACK TO THE ENTRY/EXIT POINT.**

Time to begin next firing order, 8 minutes, MAXIMUM. Each iteration should be NO LONGER THAN 15 minutes from first round fired, to next first round fired. 12 minutes is the goal.

Go back to “\*” above; repeat until range operations complete.

**5. Course Overlay:** To be adjusted to fit particular range.

**SHADE/**

**BLEACHERS**

**TOWER**

**NCOIC/RSO**

**AMMO POINT**

**FIRING LINE;** 2 FIRING ORDERS ON THE LINE

**DOWN RANGE**

**PRACTICE AREA**



**CENTERED BETWEEN RANGES**

**3rd FIRING ORDER**

**COA for shade: Netting, or tarp between vehicles/veh and bleachers.**

**MED/COM VEHICLES**

**TO ZERO RANGE**

**ENTRY/EXIT POINT**

**OIC**

**ENCLOSURE 5**

**25-METER ZERO RANGE; PERSONNEL RESPONSIBILITIES, CONDUCT, RANGE BRIEF, TOWER COMMANDS, OVERLAY.**

**1. Personnel:** (This is not including the mandatory range personnel; these are Medic and driver, and RTO)

 a. OIC: Overall in charge of range. Will give safety/orientation briefing. Briefs RSO and Range Personell on range operations.

 b. RSO: In charge of safety, safe conduct of the range, and adherence to all applicable regulations (may be the NCOIC but **CANNOT** take part in any training). Oversees the performance of the safety personnel to ensure they are performing their duties.

 c. NCOIC: Will give Range Briefing following the OIC. Ensures movement of Soldiers through range; ensures range details are conducting themselves quickly and efficiently; ensures ammo personnel are keeping accurate count of ammunition and Soldiers moving through point. Ensures Safeties know and understand shot group analysis.

 d. Tower/Narrator: Responsible for keeping the range moving in an orderly fashion using the tower commands. Ensures Soldiers are moving with a sense of purpose, filling firing points as needed, and assists the RSO and oversees the safeties ensuring they are performing their duties.

 d. Ammo Team:

 (1) Ammo NCO/SPC: Runs ammo point. Responsible for preventing a loss of ammo; accounting for the number of rounds fired; and number of personnel zeroed, are currently on the range, and who have been through the ammo point. Confirms zero and authorizes SM to move to M4 Qualification, or directs them to PMI/Practice area.

 (2) Ammo Leader/Data Collector: Assists Ammo NCO. Maintains running count of number of rounds fired; and number of personnel zeroed, are currently on the range, and who have been through the ammo point.

 (3) Ammo Loader/Runner: Assists Ammo NCO.

 e. Safeties/Scorers: Will ensure all firers are complying with tower commands. Will move forward with firers to check targets and provide grouping feedback. Will replace targets as needed. Will ensure firers are firing at proper target for weapon used (e.g. M4 target for M4, M16 target for M16A2). The senior Safety/ Scorer will be placed in charge to ensure all actions are completed in an efficient manner.

 f. PMI Instructor: Standing by in the practice area to retrain Soldiers who fail to zero/qualify. Determines when SM should move back to zero range.

**2. Conduct:** Will be rehearsed at least once prior to going hot.

 a. Prior to the range brief:

 (1) The OIC, NCOIC, or RSO will BPT give the safety and range briefs. No Soldier will be allowed to the firing line who has not received the safety/range brief.

 (2) Safeties will ensure all targets are secure and that each lane has 2-4 targets.

 b. RSO/NCOIC will direct the first firing line will move to the ammo point with weapons up and down range and are familiar with the fundamentals of marksmanship, quizzing firers as needed.

 c. Ammo point will issue firers 1 empty M4 magazine and 21 single rounds. The ammo point will keep track of magazines, the amount of ammunition issued, and number of Soldiers moving through ammo point. Ammo point will hold next firing order at ammo table until called forward by tower.

 d. Firers will move through the entry/exit point to be rodded onto the range by the OIC, RSO or designated range cadre. They will move to their designated firing position, lay their weapon and magazines on the sandbag/stake, and step back.

 e. First firing order will move to sand bags, prepare position and take all commands from tower. Additional firing lines will be issued ammo, rodded onto the range and move to their designated firing positions between firing tables. No more than 2 firing orders (shooting and on coach) should be at the firing point. Coaches will be familiar with fundamentals in order to assist firers shooting. A third firing order will be standing by at the ammo point to fill points as needed. Ammo point will work with NCOIC and tower to determine when to push individual Soldiers through the entry/exit point.

 f. Upon completion of each 3 round set, the firing line will place unloaded weapons on the sandbag/stake, and move forward to check their targets.

 (1) Safeties will check the firers’ shot groups; no adjustments will be made until the firer can shoot 6 consecutive shots (2 shot groups) inside a 4-cm circle.

 (2) When firers are within this mark, Safeties will assist with suggested adjustments. If not within the 4-cm circle, Safeties will give feedback on what the firer is doing wrong.

 (3) If a Soldier is not or will not zero within the allotted 21 rounds, they will collect their target and move to the ammo point and then the PMI area for additional training.

 (4) If zeroed and the firer gets 6 consecutive shots within a 4-cm circle with the target, firers will return to firing line with zero target (signed by Safety), secure their weapon, move to the entry/exit point, and then to the ammo point. Firers will turn in all unused ammo. No ammo will be saved to be used for another iteration or qualification.

 g. At the ammo point: Firers will turn in magazines, unused ammunition, and target. Ammo point will secure zero target; confirm that the firer has zeroed or not; and annotate firers name, and if they zeroed/did not zero on the roster. If the Soldier did not zero, the ammo point will direct the firer to the PMI/practice area; all Soldiers who did not zero within the allotted 21 rounds, will move to the PMI area.

**3. Range Brief:** Zero Range NCOIC/RSO Brief.

***-I AM \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, THE (NCOIC/NCOIC AND RSO), AND I WILL DESCRIBE WHAT IS GOING TO HAPPEN TODAY.***

***-THE ACTION, CONDITIONS, AND STANDARDS FOR TODAY’S TRAINING ARE:***

***-ACTION: 25-METER M4 ZERO.***

***-CONDITIONS: YOU WILL HAVE 21 ROUNDS, TO FIRE FROM THE PRONE SUPPORTED POSITION, AT THE 25-METER ZERO TARGET.***

***-STANDARD: HIT 6 CONSECUTIVE ROUNDS WITHIN A 4-CM CIRCLE TO BEGIN ADJUSTMENTS, AND MUST HIT THE TARGET WITH 6 CONSECUTIVE ROUNDS WITHIN A 4-CM CIRCLE ON TARGET IN ORDER TO ZERO.***

***-AT THIS TIME YOU SHOULD HAVE MECHANICALLY ZEROED YOUR WEAPON, IF YOU ARE NOT, DO SO.***

***-ENSURE YOUR REAR SIGHT APERTURE IS SET AT 300+1. IF YOU NEED ADDITIONAL TRAINING ON YOUR FUNDAMENTALS, REPORT TO THE PMI RANGE. WE WILL FIND OUT IF YOU NEED HELP, AND YOU WILL BE DIRECTED TO THE PMI RANGE WHEN WE DO.***

***-WE WILL ACCOMPLISH TODAY’S ZERO BY MOVING QUICKLY FROM POINT TO POINT. AFTER THIS BRIEFING, THE FIRST/NEXT FIRING ORDER WILL MOVE TO THE AMMUNITION POINT WHERE YOU WILL DRAW 1 MAGAZINE, AND 21 LOOSE ROUNDS.***

***-THERE WILL BE ONE FIRER, AND ONE FIRER-COACH ON DECK AT EACH FIRING POINT AT ALL TIMES, WITH ONE FIRING ORDER STANDING BY AT THE AMMO POINT. THE REMAINING FIRING ORDERS WILL PREPARE FOR FIRING CONTINUING TO WORK ON YOUR FUNDAMENTALS. BE PREPARED TO DRAW AMMUNITION AND MOVE TO THE ENTRANCE TO THE FIRING LINE.***

***-COACHES, YOU WILL MONITOR YOUR FIRER TO ENSURE THAT THEY ARE ADHERING TO THEIR FUNDAMENTALS.***

***-FIRERS, LISTEN TO MY TOWER AND SAFETIES. DO NOT MOVE UNLESS TOLD TO DO SO. DO NOT ARGUE WITH MY SAFETIES IF THEY TELL YOU THAT YOU NEED TO ADJUST OR THAT YOU ARE NOT ZEROED. IF YOU DO, YOU WILL BE REMOVED FROM THE RANGE AS A NO-ZERO.***

***- TAKE ALL COMMANDS FROM THE TOWER AND SAFETIES. ARE THERE ANY QUESTIONS OVER WHAT I HAVE COVERED?***

**4. Tower/Narrator Commands and Time Hacks:** Zero Range.

***-\*FIRERS, TAKE UP A GOOD, PRONE SUPPORTED FIRING POSITION. AT THIS TIME, LOAD 3 ROUNDS INTO YOUR MAGAZINE.***

***-ARE THERE ANY PERSONNEL STILL DOWNRANGE? RIGHT SIDE CLEAR? LEFT? THE FIRING LINE IS NOW CLEAR.***

***-SAFETIES, ENSURE FIRERS HAVE IDENTIFIED THE CORRECT TARGET FOR THEIR POSITION*** (for firers that have M16A2 rifles, ensure that their rear site is set at 8/3+1)**.**

***-IS THE FIRING LINE READY? READY ON THE RIGHT? LEFT?***

***-FIRERS, LOCK AND LOAD YOUR 3 ROUND MAGAZINE.***

***-READY ON THE RIGHT? LEFT? THE FIRING LINE IS READY.***

***-FIRERS, PLACE YOUR SELECTOR LEVER ON SEMIAUTOMATIC, AND COMMENCE FIRING.***

Give firers 20-30 seconds.

***-CEASE FIRE, CEASE FIRE. LOCK AND CLEAR YOUR WEAPONS. PLACE THEM ON THE SANDBAG/STAKE. ARE THERE ANY ALIBIS?*** Allow all alibis to fire on the zero range.

***-CLEAR ON THE RIGHT? LEFT? THE FIRING LINE IS CLEAR.***

***-FIRERS MOVE WITH THE SAFETIES TO YOUR TARGETS AND TRIANGULATE YOUR SHOT GROUPS.***

***-SAFETIES CHECK TARGETS ACCORDINGLY. ONCE TRIANGULATED OR ZEROED, DO AN ABOUT FACE, TAKE THREE STEPS AND FACE THE FIRING LINE.***

When all Firers are facing the firing line.

***-FIRERS, MOVE BACK TO THE FIRING LINE. IF YOU HAVE ZEROED, TAKE YOUR ZERO TARGET, WEAPON AND EMPTY MAGAZINE, AND MOVE BACK TO THE ENTRY/EXIT POINT.***

**-ALL OTHERS, MAKE ADJUSTMENTS TO YOUR WEAPONS AT THIS TIME.**

Go back to “\*” above and repeat commands until complete.

**5. Course Overlay:** To be adjusted to fit particular range.



**CENTERED BETWEEN RANGES**

**PRACTICE AREA**

**TO M4 RANGE**

**COA for shade: Netting, or tarp between vehicles/veh and bleachers.**

**MED/COM VEHICLES**

**SHADE/**

**BLEACHERS**

**NEXT FIRING ORDER**

**AMMO POINT**

**NCOIC/RSO**

**OIC**

**ENTRY/EXIT POINT**

**TOWER**

**FIRING LINE**

**DOWN RANGE**