

Mid-Range and F-Class Match Playbook

Mid Range F-Class Match Playbook

Pits Setup:

1. 30 min before scheduled registration start (16:30 for evening, 07:30 for morning) – pre-arranged group of shooters go with trailer to setup flags and pits.
2. Setup range flags on top of the firing line at 200 and 500 yds close to the pit access road and on the far right side. The highest flag poles should go at 200 yards and all flags should be visible from 600 yard line.
3. Drive trailer to the middle of the pits for quick unloading of targets and equipment.
4. Inspect carriers and frames. We will always use targets 10-18. Sometimes we may add 9 and 19 as hospitals. Typically, 10 and 18 are hospitals.
5. Pull out and put on the catwalk: Ammo Cans, large black tote with red lid (Shotmarker sensors and cables), trash bag, target faces for all match stages, spray glue, Bungee cords.
6. Optional (not important when using Shotmarker) Inspect ammo cans at each target to ensure they have sufficient pasters, small and large spotters, golf tees, Scoring Shot Values reference card, and two large Orange shot value disks.
7. Hang target frames on carriers.
 - a. Use the targets frames on the right side of trailer for 200 or 300 yard stages.
 - b. Use target frames on left side of trailer for 500 or 600 yard stages.
 - c. Adjust weights and ensure that target runs smoothly up and down. Usually all the weights or all but one weight is needed.
8. Time permitting – install correct faces on each target after confirming with Match director which need regular faces and which need F-class faces (far left and right targets are “Hospitals” and don’t need clean faces.
9. Leave targets at half mast. Run Hospitals all the way up.
10. Move trailer to end of range near the open shed holding the Army target frames and unhitch it.
11. 15 minutes before scheduled end of registration (17:15 for evening, 08:15 for morning) – pit setup crew must be back in the parking lot to complete registration if not done already

Match Director or delegate RSO: Check in at Range Control (30min before registration start):

Get Radio, Binder

Sign in (while Pit activities above are happening):

1. Verify all participant registration info and that rifle is in proper class
2. Issue score card with target number relay and proper rifle class (unless target/relay needs last minute adjustment)
 - a. Squadding (should done before match) mix experience in relays to help learning.
 - b. Allow for shared equipment between shooters based on comments shooters submitted during registration.
3. Verify they have eye, ear protection and sell OCI if needed.
4. Collect the following and record on registration spreadsheet printout
 - a. hold harmless agreement and club waiver
 - b. match fee (under 18 and match director exempt)
 - c. membership application and dues or \$5 day membership if not current member
5. Direct them to take all equipment behind first firing line.
 - a. Leave rifles cased or with bolt open and OCI visible.
 - b. Relay 1 can lay out shooting mat
6. Ask someone to raise the main range flag at 600 yards (get flag from range inspector)

Range inspector visit

Call for Open time

Radio check between Match Director and Pits.

Verify all radios work on the line before leaving for pits.

Instruct Pit Boss to conduct comms radio check upon arriving in pits.

Safety and Match Briefing (20 min before firing start time)

Safety:

1. **Anyone can call a cease fire at any time.**
2. Empty Chamber Indicator (ECI), Hearing and Eye Protection are required!
3. No rifles on line until "Shooters bring your equipment to the line" command.
4. No ammunition in rifle until given clear command from Line RSO that your firing period has begun. No firing during preparation period.
5. Any aircraft below 4000 feet over our range, must call a cease fire, pause timing clocks.
6. Keep shots between the reflective markers on each side of the range. No accidental discharges with elevated muzzle.
7. Once pits are sealed no one leaves the catwalk (look at latrine to know why)
8. Cease fire if animals downrange
9. Take care of the range. We are guests, leave it better than we found it.
10. No CCW. This is Federal land.
11. The lead ARC range officer or match director has authority to dismiss your participation in the firearms match if the range officer or Instructor determines that the you are displaying disorderly conduct, intoxicated or not behaving in a safe manner. In such event there shall be no refund of any fees paid.

In addition to safety, a primary goal is to run the matches fast and efficiently. Be quick to help each other and be gracious to receive help.

Scoring:

1. Scorers are also all Safety Officers. Watch your shooter and look for airplanes.
2. Ensure that shooter and scorer device browsers are connected to Shotmarker and have the correct target # and type for distance/Prone/F-class. MR-1, MR-1FC, LR, LR-FC, etc
3. Keep tablets out of the dirt and don't remove hole protectors.
4. Pay attention to your shooter. Know that they fired and watch for shot to appear on tablet 7 seconds later. Then record shot value on score card. Record sighters in margin.
Only the most recent shot will display on the tablet.
5. Communicate with shooter to know when going for record and press "Begin Record" button on tablet. If you forget to do this, sighters can be converted to later.
6. Call out value to shooter if they want you to (can't challenge if you don't do this).
7. Total up score for each match on card and sign score card, have shooter sign as well.

8. Ensure shotmarker total matches scorecard. You can insert missed shots or delete cross fires to correct it.
9. Then Save the shotmarker target data under the shooter's name.

Shooting:

1. When done firing, **even if next relay is using the same rifle:** Empty the chamber, remove magazine, ECI in rifle and get your equipment off the line **after your scorer or RSO verifies the rifle is safe.**
2. Targets are calibrated so system matches paper and we do not allow challenges to change scores to match holes in paper.
3. **Problems getting on target:** Scorer needs to be directly behind you looking for your bullet trace through a spotting scope and estimate large sight adjustments until you finally hit the target. Admin can also turn on sensor monitor on the access point.

Rules: These matches follow the current [NRA Highpower Rifle Rules](#) in effect with additional section 22 for F-Class and section 23 for Tactical Rifle AR.

Course of Fire: Review Matches, number of shots for record, time for each match, from match program. Describe when pit changes and target replacement or new faces will occur;

Squadding: Call out target and relay assignment to ensure no confusion

Pits: Use pickup truck for target system repairs if needed. If someone has to stay in the pits for some reason they must stay under the roof on the gravel catwalk when firing in progress until line communicates that the line is safe and pits may be unsealed.

End of match:

All scorecards should be signed by competitors and scorers and turned in to match director. Power down tablets, wipe them clean and put back in the correct plastic 50 cal ammo box.

Those that can, head back to the pits to help put targets back into the club trailer (or ready for next match as directed by pit RSO), remove the weights from the target carriers and return the pits to same condition or better than we found them.

Range flags at 200 and 500 need rolled back to the access road and put in trailer

Results/Awards: All scorecards will be sorted and top shooters in each class announced. Would like a photo of the top shooters. Match results will be posted to website and turned in within 2 weeks at the latest. Scores for league reported to NRA end of year along with award checks (applied towards membership dues first).

Questions???:

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Pits RSO Briefing:

1. Confirm the correct face is on your target (prone vs F class). Pit RSO must confirm with Line.
2. Fast pulling and scoring of targets makes for happy partners 10-12 seconds down and up is good.
3. You CANNOT SEE the holes!
4. Stand directly in front of your target and listen for the shot to go overhead, then pull the target down
5. Mark the shot hole and shot values according to the reference card in the ammo can.
 - a. For values 8, 9 and 10 put the disks just below black circle, not at bottom of target frame
 - b. Golf tees for F class spotters at 300 yards. 1" or 3" spotter at 500 and 600.
 - c. Procedures for multiple hits on your target: Mark all the holes with scoring disks. Score the highest value. Run the target up. The line will figure out what to do.
6. Have ammo can and anything you need next to you so you don't turn around and miss hearing your shot.
7. Minimize talking to neighbors or you'll not hear shots properly. Focus on giving the kind of pit service you want when you shoot.
8. Scoring in the pits: If only 2 shooters on a target, you will score for your shooter in the pits.
9. Report Target repair required to Pit RSO, to relay information to Centerline.
10. Pit commands
 - a. **HALF MAST ALL TARGETS**
 - b. **READY IN THE PITS? READY IN THE PITS**
 - c. **STAND BY YOUR TARGETS....TARGETS... UP;....TARGETS... DOWN**
11. We use radios to communicate between line and pits. All radios channel 5. No radio commands other than these:
 - a. Verifying pits/line sealed or un-sealed and pits ready to run up targets
 - b. Scoring in pits - shooter is done with sighters and shooting for record. Radios not used for coaching
 - c. **MARK TARGET 1-5** – yell to target 15 to pull down target, score it and run it back up
 - d. **DISK (or RE-DISK) TARGET 12**– place or replace orange shot value disks
 - e. **PLACE A SPOTTER IN TARGET 1-7**
 - f. **REVERSE THE SPOTTER IN TARGET 1-4**
 - g. **THERE IS A CHALLENGE FOR (VALUE) or (SCORE) ON TARGET 11**
 - h. **TARGET REPAIR ON TARGET 11. TARGET REPAIR COMPLETED TARGET 11.**

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Line Officer commands

CEASE FIRE, UNLOAD!

“AS YOU WERE” means to disregard the command just given regardless of what it might have been and return to the status immediately preceding the command.

“CARRY ON” means to proceed with whatever was being done before some interruption occurred

When ready to start a match, the Chief Range Officer commands, **“RELAY (number), BRING YOUR EQUIPMENT TO YOUR POSITION ON THE FIRING LINE.”**

“YOUR NON-FIRING 3 MINUTE PREPARATION PERIOD WILL START IN TWO MINUTES.”

Competitors take their places at their firing points. During this two minutes it is announced, **“RELAY (number) TAKE YOUR POSITION AS SCORERS”**

After Pits has reported that the pits are ready then the command is given,

“YOUR PREPARATION PERIOD BEGINS NOW.”

At the end of three minutes the targets are withdrawn to half mast. The command is given **“THE PREPARATION PERIOD HAS ENDED.**

THIS STRING OF FIRE... WILL BE (TWO or UNLIMITED) SIGHTERS AND 20 SHOTS FOR RECORD IN A TIME LIMIT OF (22) MINUTES.

WITH ONE ROUND LOAD...

IS THE FIRING LINE READY?... Look left and right for anyone not ready. If not ready: **THE FIRING LINE IS NOT READY.”** and when the firing line is ready, **“RESUMING COMMANDS,**

Key radio so Pits can hear this:

THE FIRING LINE IS READY. YOUR TIME WILL BEGIN AND YOU MAY FIRE NOW. COMMENCE FIRING.” The targets are run up and time is marked to start for that relay's match.

“IS ALL FIRING COMPLETED ON THE RIGHT? IS ALL FIRING COMPLETED ON THE LEFT” Upon receipt of a **“NO, NOT COMPLETED!”** answer, **“AS YOU WERE”** If all firing completed then **“ALL FIRING IS COMPLETED. CEASE FIRE, INSERT EMPTY CHAMBER INDICATORS.”**

“IS THE FIRING LINE CLEAR?” Range Officers assure that all firearms are cleared, actions opened and empty chamber indicators are properly in place. If no one has replied **“NOT CLEAR!”** and Range Officers signal that the firing line is clear then, **“THE FIRING LINE IS CLEAR. RELAY** (just finished) **REMOVE ALL OF YOUR EQUIPMENT FROM THE FIRING POINT AND POLICE BRASS AND TRASH.”**

Relay Rotation - 600 yard only - 20 round match

Relay 3 pulls targets in pits once, Relay 1 pulls twice and Relay 2 doesn't go to pits:

600 yards – Relay 1 shoots, Relay 2 scores, Relay 3 in pits.

PIT CHANGE – Relay 3 comes out of the pits, Relay 1 moves to the pits

600 yards – Relay 2 shoots, Relay 3 scores, Relay 1 in pits.

600 yards – Relay 3 shoots, Relay 2 scores, Relay 1 in pits

Relay Rotation - 600 yard only - 40 round match

Relay 3 pulls targets in pits once, Relay 1 pulls 3 times and Relay 2 pulls twice:

600 yards – Relay 1 shoots, Relay 2 scores, Relay 3 in pits.

PIT CHANGE – Relay 3 comes out of the pits, Relay 1 moves to the pits

600 yards – Relay 2 shoots, Relay 3 scores, Relay 1 in pits.

600 yards – Relay 3 shoots, Relay 2 scores, Relay 1 in pits

600 yards – Relay 2 shoots, Relay 3 scores, Relay 1 in pits

PIT CHANGE – Relay 1 comes out of the pits, Relay 2 moves to the pits

600 yards – Relay 3 shoots, Relay 1 scores, Relay 2 in pits

600 yards – Relay 1 shoots, Relay 3 scores, Relay 2 in pits

Relay Rotation - 600 yards only – 60 round match

Below is an example of 3 relays in action for a full day match at 600 yards only. All relays pull the same number of targets.

600 yards – Relay 1 shoots, Relay 2 scores, Relay 3 in pits.

PIT CHANGE – Relay 3 comes out of the pits, Relay 1 moves to the pits

600 yards – Relay 2 shoots, Relay 3 scores, Relay 1 in pits.

600 yards – Relay 3 shoots, Relay 2 scores, Relay 1 in pits

600 yards – Relay 2 shoots, Relay 3 scores, Relay 1 in pits

PIT CHANGE – Relay 1 comes out of the pits, Relay 2 moves to the pits

600 yards – Relay 3 shoots, Relay 1 scores, Relay 2 in pits

600 yards – Relay 1 shoots, Relay 3 scores, Relay 2 in pits

600 yards – Relay 3 shoots, Relay 1 scores, Relay 2 in pits

PIT CHANGE – Relay 2 comes out of the pits, Relay 3 moves to the pits

600 yards – Relay 1 shoots, Relay 2 scores, Relay 3 in pits

600 yards – Relay 2 shoots, Relay 1 scores, Relay 3 in pits

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Relay Rotation - 300, 500, 600 yards

Below is an example of 3 relays in action for a full day match at 300, 500 and 600 yards. All relays pull the same number of targets.

300 yards – Relay 1 shoots, Relay 2 scores, Relay 3 in pits.

PIT CHANGE – Relay 3 comes out of the pits, Relay 1 moves to the pits

300 yards – Relay 2 shoots, Relay 3 scores, Relay 1 in pits.

300 yards – Relay 3 shoots, Relay 2 scores, Relay 1 in pits

TARGET FRAME CHANGE– while Relay 2 and 3 move equipment to 500 yards, Relay 1 puts 300 yard frames back in trailer, mounts 600 yard frames and glues on 500 yard faces

500 yards -Relay 2 shoots, Relay 3 scores, Relay 1 in pits

PIT CHANGE – Relay 1 comes out of the pits, Relay 2 moves to the pits

500 yards – Relay 3 shoots, Relay 1 scores, Relay 2 in pits

500 yards - Relay 1 shoots, Relay 3 scores, Relay 2 in pits

TARGET CHANGE – while Relay 1 and 3 move equipment to 600 yards, Relay 2 changes targets to 600 yard faces

600 yards - Relay 3 shoots, Relay 1 scores, Relay 2 in pits

PIT CHANGE – Relay 2 comes out of the pits, Relay 3 moves to the pits

600 yards - Relay 1 shoots, Relay 2 scores, Relay 3 in pits

600 yards - Relay 2 shoots, Relay 1 scores, Relay 3 in pits