

## RANGE ORDERS FOR F RANGE

### References:

- A. Mattersey Range Safety and Operating Plan
- B. Range Safety Certificate F Range

The Range		
Sec.	Subject	Details
1.	<b>Name</b>	<b>F Range</b>
2	<b>Description</b>	F Range is a 6 Lane 100m No Danger Area Range with pop-over canopy for centrefire. It has static targets in fixed slots on all lanes. The main covered firing point is at 100 metres from the target line. Firing may also take place from 25, 50 and 75 metres. <b>There must be a non-shooting Range Officer present in control of the range.</b>
3	<b>Air Danger Height</b>	500ft (152m)
4	<b>Range Safety Certificate</b>	The Range Safety Certificate is held on file, stored in the Members' Area on the Club website and displayed on the range.

Firearms & Ammunition					
Sec.	Firearm	Firing Point/Distance/Position			Remarks
		100 metres	75 metres	50/25 metres	
5a.	<b>Centrefire Rifle Rimfire Rifle (incl. 0.17HMR)</b>	Bench-supported. Prone-supported.	Standing-supported using sticks	Standing/kneeling unsupported	
5b.	<b>Long Range Pistol (centrefire or rimfire calibre)</b>	Bench-supported, firearm rested front & rear	Not permitted	Not permitted	Pistol grip firearm with no stock or butt extension, barrel length greater than 12"

Sec.	Firearm	100 metres	75 metres	50/25 metres	Remarks
6.	<b>Pistol-calibre Carbine</b>	Bench-supported. Prone-supported.	Standing-supported using sticks	Standing/kneeling unsupported	
7.	<b>Muzzle-loading Rifle</b>	Bench-supported. Prone-supported.	Not permitted	Not permitted.	
8.	<b>Pistol (including Air Pistol)</b>	Not permitted	Not permitted	Standing, two handed at 25 metres only.	Air Pistol max distance 25 yards
9.	<b>Shotgun (slug and birdshot)</b>	Not permitted	Not permitted	Not permitted	
	Notes: 1. Firing from the prone position is only permitted at 100 metres on this range from the firing point floor. 2. Rifles may be fired from the standing position using a shooting stick(s) or tripod designed for shooting support. 3. Sights to be check zeroed at 25 yards/metres before firing at 100 metres on every occasion. Caution must be exercised when converting zeroing data from yards (E4 Range) to metres. Any changes of barrel/calibre, bullet weight or profile must all be checked on the zero range. Minor changes of powder weight are allowed during a detail.				
10.	<b>Ammunition</b>				
	Centrefire rifle > 0.22"		Maximum MV 3280fps		Maximum ME 5166 ft lbs (7000J)
	Rifle 0.22" and sub 0.22"		Maximum MV 4000fps		Maximum ME 1500ft lbs (2033J)
	Pistol Calibre		Maximum MV 2145fps		Maximum ME 1495 ft lbs (2027J)
	Black Powder (incl Metallic Cartridge)		Maximum MV 2145fps		Maximum ME 1495 ft lbs (2027J)
	Air weapons		Maximum MV 2145fps		Maximum ME 350 ft lbs (475J)
	Notes: 1. Tracer ammunition, regardless of calibre is <b>NOT</b> to be fired on this range. 2. Black Powder (incl. Metallic Cartridge). Certain metallic cartridges originally designed for Black Powder can safely be loaded with nitro powders. These are permitted subject to the MV/ME of the bullet being within the maximum values for these stated above and in the Range Safety Certificate. <b>3. Members are individually responsible for ensuring that their firearm/ammunition falls within the maximum muzzle velocity &amp; muzzle energy permitted by the Safety Certificate for this range. If in any doubt refer to the Range Manager or Secretary.</b>				

**Duties of the Range Officer**

**Pre-Firing Procedure**

Sec.	Subject	Details
11.	<b>Range Orders</b>	It is the duty of each Range Officer to ensure that they are familiar with the Range Orders for the range and with the club's Range Safety and Operating Plan. One ADULT member is nominated non-shooting Range Officer to be in control of the range. The duties can be passed between the ADULT members present.
12.	<b>Signing On (Range Log)</b>	The Range Officer is to sign on in the pre-firing sections of the Range Log before permitting shooting to commence.
13.	<b>Danger Flags/Warning signs</b>	Before permitting shooting to commence the Range Officer is to confirm that all Range Complex flags are flying at their designated locations, the barrier to the range and the stop sign is in place and that the range danger flags are displayed.
14.	<b>Inspect the Range</b>	<ol style="list-style-type: none"> <li>1. The Range Officer is to inspect the range prior to firing with particular attention to the following:               <ol style="list-style-type: none"> <li>a) Condition of the firing point(s) to be used.</li> <li>b) Condition of the target frame(s) to be used, or mechanical turning target apparatus if this is to be used.</li> <li>c) Condition/profile of the bullet catcher. Check for any indication of 'tunnelling' and presence of ricochet-inducing material. <b>Note:</b> If tunnelling is evident it is to be filled by upward raking of sand before shooting commences.</li> <li>d) Walk the range floor. Check for presence of any ricochet-inducing material.</li> </ol> </li> <li>2. The range is unsafe to use if any ricochet-inducing material is between the firing points and the target line, or present in the bullet catcher/stop butt.</li> </ol>
15.	<b>Recording Defects</b>	<p>Any defects are to be recorded in the Damage Log.</p> <ol style="list-style-type: none"> <li>1. If any defect is found that, in the opinion of the RO, renders the range unsafe for use the range is not to be used.</li> <li>2. The RO is to record the details in the Damage Log and inform the Range Manager or a committee member by the fastest possible means.</li> <li>3. If a defect does not, in the opinion of the RO, render the range unsafe for use the range may be used and full details of the defect(s) are to be recorded in the Damage Log.</li> </ol>

<b>Restrictions</b>																				
16.	<b>Visibility</b>	Live firing may only take place in conditions of good natural light. Range Officers are to monitor light conditions and suspend firing if visibility reduces to an unacceptable level.																		
17.	<b>Hearing &amp; Eye Protection</b>	The wearing of hearing protection is mandatory whilst firing is taking place. Eye protection is recommended at all times and mandatory when shooting competitions or engaging hard targets.																		
18.	<b>Firers per Lane</b>	Only one firer per lane is permitted.																		
19.	<b>Firing Positions</b>	<ol style="list-style-type: none"> <li>1. Refer to Sections 5-9.</li> <li>2. Firing from positions other than stated above may only take place with the express permission of the Committee.</li> </ol>																		
20.	<b>Cross-Lane Firing</b>	Firers are only to engage the target(s) in their designated lane. There is to be no deliberate cross-lane firing.																		
21.	<b>Limit of Advance</b>	<p>Due to risk of backsplash the minimum engagement distances for firearms are as follows:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td style="width: 5%;">a.</td> <td style="width: 75%;">.22in Rimfire/Air Weapon</td> <td style="width: 20%;">10yards</td> </tr> <tr> <td>b.</td> <td>Pistol calibre carbine</td> <td>10yards</td> </tr> <tr> <td>c.</td> <td>Muzzle/Front loading pistol</td> <td>10yards</td> </tr> <tr> <td>d.</td> <td>Centrefire rifle</td> <td>15yards</td> </tr> <tr> <td>e.</td> <td>Muzzle-loading rifle</td> <td>15yards</td> </tr> <tr> <td>f.</td> <td>0.17HMR</td> <td>15yards</td> </tr> </tbody> </table>	a.	.22in Rimfire/Air Weapon	10yards	b.	Pistol calibre carbine	10yards	c.	Muzzle/Front loading pistol	10yards	d.	Centrefire rifle	15yards	e.	Muzzle-loading rifle	15yards	f.	0.17HMR	15yards
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22.	<b>Dry Firing, Aiming Practice, Bore-sighting</b>	<ol style="list-style-type: none"> <li>1 Dry firing, aiming practice and bore sighting are permitted subject to the following: <ol style="list-style-type: none"> <li>a. No personnel are forward of the firing point.</li> <li>b. It does not interfere with live firing.</li> <li>c. The Range Officer has given permission.</li> <li>d. The firearm involved is inspected and proved clear prior to being bagged/removed from the range.</li> </ol> </li> </ol>																		

23.	<b>Firing at Different Distances — Firing points &amp; Target Positioning</b>	<ol style="list-style-type: none"> <li>1. Designated firing points are provided at 100 metres (main firing point). 75, 50, 25 metre distances indicated by distance marker posts positioned on the side of the range floor.</li> <li>2. Targets are only to be placed in the designated slots/apparatus in front of the bullet catcher.</li> <li>3. Under no circumstances are targets to be placed in improvised positions in the sand of the bullet catcher, or in the range floor at distances measured from the firing point.</li> </ol>
24.	<b>Placing of Targets</b>	Penetrable targets at 1.8metre target centre height. Targets are to be mounted only on the boards provided. Target centres are to coincide with centre of the board and away from the leg of the target board.
25.	<b>Coaching</b>	When percussion firearms, long barrellled pistols or blowback action .22 rimfire firearms are being used coaching is to take place from the firer's left side, unless the firearm itself is a left-handed model.
26.	<b>Turning Target Apparatus</b>	There is no turning target apparatus on this range.
27.	<b>Entry to the Range Whilst Firing is Taking Place</b>	On entering the range personnel are to remain by the entrance until the RO on duty gives them permission to move forward to a firing point.
28.	<b>Use of Muzzle Brakes</b>	Any firer with a firearm equipped with a muzzle brake must check that those present have no objections before proceeding. In the event of a protest the firer must not continue unless the muzzle brake is removed. If that is not possible then the firer must stand down.

#### Conduct of Live Firing

29.	<b>Clear Range Procedure</b>	Before permitting firing to commence the Range Officer is to ensure that no personnel are forward of the firing point.
30.	<b>Non-shooting Personnel</b>	Non-shooting personnel other than Instructors/Coaches are to remain at the back of the range. They may only approach the firing point with the express permission of the Range Officer.
31.	<b>Monitoring of shooters</b>	<p>The Range Officer to stand at the rear of the range at all times to ensure all shooters can be monitored.</p> <p><b>The Range Officer is responsible for ensuring that whilst loading, firing and unloading, barrel elevation must not exceed 40 mils/2.25°.</b></p>

**Completion of Live Firing**

32.	<b>Removal of Barriers and Range Danger flags</b>	When all firing is complete, the access to the range is to be re-opened and the stop sign is to be recovered and placed back on the firing point along with the range danger flags.
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