

## RANGE ORDERS FOR A RANGE

### References:

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

The Range		
Sec.	Subject	Details
1.	<b>Name</b>	<b>A Range</b>
2	<b>Description</b>	A Range is a 16 Lane 50yd No Danger Area Range. It has static targets in fixed slots on all lanes which can be used with an electro-pneumatic turning system when required, operating all lanes. The main covered firing point is at 50yds from the target line. Firing may also take place from 25, 20, 15 and & 10 metres/yards.
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
		50yds	25/20/15 metres/yds	10 metres/yds	
5.	<b>Rimfire Rifle (incl. 0.17HMR) &amp; FAC Air Rifle</b>	Bench-supported. Prone-supported Standing/sitting/kneeling — unsupported.	Standing/sitting/kneeling — unsupported.	.22 RF only. Standing/sitting/kneeling unsupported	.17HMR Minimum distance 15 metres
6.	<b>Pistol-calibre Carbine</b>	Bench-supported Prone-supported Standing/sitting/kneeling - unsupported.	Standing/sitting/kneeling - unsupported.	Standing/sitting/kneeling unsupported.	

7.	<b>Muzzle-loading Rifle</b>	Bench-supported Prone-supported Standing-unsupported.	Standing/kneeling - unsupported.	Not permitted.																
8.	<b>Pistol (including Air Pistol)</b>	Bench-supported, front and rear	Standing/kneeling/sitting – supported and unsupported.	Standing, single & two handed.	Air pistol max distance 25 yards															
9.	<b>Shotgun (slug and birdshot)</b>	Not permitted	Standing/kneeling - unsupported	Standing - unsupported	Minimum distance 10 metres															
Notes: 1. Firing in the prone position is allowed from the firing point floor on this range. 2. Rifles may be fired from the standing position using a shooting stick(s) or tripod designed for shooting support.																				
10.	<b>Ammunition</b>	<table border="1"> <tr> <td>0.22 rimfire</td> <td>Maximum MV 2145fps</td> <td>Maximum ME 350 ft lbs (475J)</td> </tr> <tr> <td>0.17HMR</td> <td>Maximum MV 2650fps</td> <td>Maximum ME 245 ft lbs (332J)</td> </tr> <tr> <td>Pistol Calibre</td> <td>Maximum MV 2145fps</td> <td>Maximum ME 1495 ft lbs (2027J)</td> </tr> <tr> <td>Black Powder (incl Metallic Cartridge)</td> <td>Maximum MV 2145fps</td> <td>Maximum ME 1495 ft lbs (2027J)</td> </tr> <tr> <td>Air weapons</td> <td>Maximum MV 2145fps</td> <td>Maximum ME 350 ft lbs (475J)</td> </tr> </table>				0.22 rimfire	Maximum MV 2145fps	Maximum ME 350 ft lbs (475J)	0.17HMR	Maximum MV 2650fps	Maximum ME 245 ft lbs (332J)	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)
0.22 rimfire	Maximum MV 2145fps	Maximum ME 350 ft lbs (475J)																		
0.17HMR	Maximum MV 2650fps	Maximum ME 245 ft lbs (332J)																		
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 Range Officer to be in control of the range and must be non-shooting if there is more than five firers.
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</b>	Before permitting shooting to commence the Range Officer is to confirm that all Range Complex flags are flying at their designated locations, and that any necessary barriers are in place and the range danger flag is 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 except when called for when shooting NRA-approved courses of fire and only across adjacent lanes with the firer standing central to both lanes. If hard targets in shooting-in boxes are being used, firers should be central to the target layout.																		
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: 10%;">a.</td> <td style="width: 70%;">.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>Shotgun (solid slug)</td> <td>11yards/10metres</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.	Shotgun (solid slug)	11yards/10metres	e.	Muzzle-loading rifle	15yards	f.	0.17HMR	15yards
a.	.22in Rimfire/Air Weapon	10yards																		
b.	Pistol calibre carbine	10yards																		
c.	Muzzle/Front loading pistol	10yards																		
d.	Shotgun (solid slug)	11yards/10metres																		
e.	Muzzle-loading rifle	15yards																		
f.	0.17HMR	15yards																		
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 50yds (main firing point) and 25, 20, 15 and 10 metres (indicated by distance marker posts positioned on the side of the range floor and line marking).</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. Faling plate targets at 1.2metre target centre height within a plate mounting frame.
25.	<b>Coaching</b>	When percussion firearms, long barrelled 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>	The turning target apparatus is only to be set up/used by appropriately trained personnel.
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.

#### Conduct of Live Firing

28.	<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.
29.	<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.

#### Completion of Live Firing

30.	<b>Removal of Barrier and Range Danger flag</b>	When all firing is complete, the access to the range is to be re-opened and the range danger flag is to be recovered and placed back on the firing point.
-----	---	---