



NATIONAL RIFLE ASSOCIATION SMALLBORE LONG-RANGE MATCH SUNDAY 27 APRIL 2014 MATCH CONDITIONS

DISTANCES

100, 200, 300, 400 and 500 yards.

NUMBER OF SHOTS

Blow-off shots (see below), up to THREE practice shots, TWO convertible sighting shots and TEN to count at 100, 200 and 300 yards; FIFTEEN to count at 400 and 500 yards.

BLOW-OFF SHOTS

A period of one minute during which blow-off (warming) shots may be fired at the stop butt will be allowed before shooting for score commences at 100 yards and 400 yards only.

TARGETS

At 100 yards. ISU 50m Pistol Target (Bull 2, Inner 4, Black 8 inch dia etc).

At 200 yards. Targets: NRA Bisley TR 200 yards (Bull 3.5, Inner 7, Black 16 inch dia etc).

At 300 yards. Targets: NRA Bisley TR 300 yards (Bull 5.5, Inner 11, Black 22 inch dia etc).

At 400 and 500 yards. Targets: NRA Bisley TR 600 yards (Bull 13, Inner 26, Black 39 inch dia etc).

MARKING

Markers will be provided. The standard scoring system for an NRA competition shall be used. i.e. On all ranges, values will be signalled by the black or coloured value panel on the bottom edge of the target as follows: Black Outer = 2 Magpie = 3 Inner = 4 Bull = 5 Fluorescent Hit = 1 V Bull = V No Panel Examine or Miss.

RIFLES

Any single shot rifle chambered for .22 Rim-Fire ammunition may be used. "Iron", magnifying or telescopic sights may be fitted. A sling may be used. The forward hand may also be rested, but the rifle itself may not touch the rest and the butt may not be rested or touch the ground.

AMMUNITION

Competitors are to supply their own ammunition.

FIRING POSITION

Prone or Supine. Competitors with disabilities may be permitted to shoot seated at a table – see NRA rule 156.

EXEMPTIONS

Rules 277 and 278 shall not apply to practice shots. (A competitor who misses the target).

REGULATIONS

NRA Rules of Shooting and the Bisley Range Safety Regulations will apply.

PRIZE GIVING

Prize giving will take place at the 600 yards Firing Point on Century Butt 19 at 17.30.

ENTRY DEADLINE

Entries close Wednesday 23 April.

ENTRY FEE

AM only (100, 200, 300 yds)	-	£28.00
All Day (100-500 yds)	-	£45.00

COMPETITIONS

- No 1. 100, 200, 300 yards MRSB Aggregate, open to all competitors whether using rifles fitted with “iron”, magnifying or telescopic sights.
- No 2. 100, 200, 300 yards TRSB Aggregate, open to all competitors using rifles fitted with “iron” sights.
- No 3. 400/500 yards MRSB Aggregate, as above.
- No 4. 400/500 yards TRSB Aggregate, as above.
- No 5. 100-500 yards MRSB Aggregate, as above.
- No 6. 100-500 yards TRSB Aggregate, as above.

Scores made in the TRSB Aggregate will count in the MRSB Aggregate, but not vice-versa.

PRIZES

List D (NRA medals) in each of the above competitions.

SHOOTING PROGRAMME SUN 27 APRIL 2014:

Detail 1	100 yards	0830-0910
Detail 2	100 yards	0910-0950
Detail 1	200 yards	0955-1030
Detail 2	200 yards	1030-1105
Detail 1	300 yards	1110-1145
Detail 2	300 yards	1145-1220
Detail 1	400 yards	1330-1420
Detail 2	400 yards	1420-1510
Detail 1	500 yards	1515-1605
Detail 2	500 yards	1605-1655

Competitors will be squadded and register tickets will be available on the firing point from 08.00 hrs. Competitors will shoot in pairs at each distance. The right hand man on each target will commence firing.

Detail start times are approximate. The time allowed for each shot will be 45 seconds (NRA rule 351).

Entries are to be sent to:

Shooting Division, National Rifle Association, Bisley Camp, Brookwood, Surrey GU24 0PB (Telephone 01483 797777) to be received not later than Wednesday 23rd April. **After that date, they can only be accepted if range space is available.** Entries will be acknowledged by e-mail.

.22RF Ballistics (approximate and not guaranteed)

Practical Rises Between Ranges (sight line 1.25 inch or 32mm above bore line)

Standard Velocity Ammo (1075 ft/s) RWS R50, Lapua Midas, Eley Tenex etc			High Velocity Ammo (1125 ft/s) RWS R100		
Rise from (yds)	Rise to (yds)	Minutes of angle	Rise from (yds)	Rise to (yds)	Minutes of angle
25	50	2.0	25	50	1.5
50	100	7.0	50	100	6.0
100	200	20.0	100	200	19.0
200	300	26.5	200	300	26.0
300	400	29.0	300	400	28.0
400	500	34.0	400	500	32.0

Wind Deflections

Distance (yds)		100			200			300			400			500		
Direction o'clock		1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
Strength	mph															
Gentle	4	0.7	1.1	1.3	1.2	2.1	2.4	1.8	3.1	3.6	2.9	4.2	4.9	3.0	5.2	6.0
Mod	8	1.3	2.3	2.6	2.4	4.2	4.8	3.6	6.2	7.2	4.9	8.5	9.8	6.0	10.4	12.0
Fresh	12	2.0	3.4	3.9	3.6	6.2	7.2	5.4	9.4	10.8	7.4	12.7	14.7	9.0	15.6	18.0
Strong	16	2.6	4.5	5.2	4.8	8.3	9.6	7.2	12.5	14.4	9.8	17.0	19.6	12.0	20.8	24.0
V.Strong	20	3.3	5.6	6.5	6.0	10.4	12.0	9.0	15.6	18.0	12.3	21.2	24.5	15.0	26.0	30.0

Gyroscopic Drift

Drift in minutes due to spin of the bullet, to the right for 16 inch right hand twist barrels, is (approx):

100 yds: 0.5 min

200 yds: 1.0 min

300 yds: 1.5 mins

400 yds: 2.25 mins

500 yds: 3.25 mins