



Shooting Range Standing Orders

Shooting Complex Name

1. The shooting range is named the *NZDA North Auckland Branch Range Complex*.

Names of Individual Ranges

2. The shooting range complex consists of three ranges:
 - a. Range 1 - 200m range
 - b. Range 2 – 25m sighting-in range.
 - c. Range 3 – 50m moving target range

Date of these Orders

3. These range standing orders (RSO) are dated 2 April 2023.

Introduction

4.1. Description. The range complex was established in 1955 and is a privately owned property upon which are clubrooms, maintenance sheds, and three shooting ranges bounded on two sides by the Rangitopuni Stream. The ranges operate under an existing use rights issued by the (then) Rodney District Council which limits the days of operation.

4.2. Legal Title. Lot 3 DP 64116 Block VI Waitemata Survey District.

4.3. Landowners. The New Zealand Deerstalkers Association North Auckland Branch Incorporated.

4.4. Hours of Operation. 0900h – 1630h up to 22 Sundays per year.

Responsibility

5. The entity responsible for the safe operation of the shooting range complex is the elected officials of the branch committee of the NZDA North Auckland Branch Inc.

Compliance With Range Standing Orders (RSO)

6.1. All people using any of the ranges on the shooting range complex are to abide by these RSO.

6.2. Failure by any person to abide by these RSO will result in their removal from the property and a review of continued branch membership by the branch committee.

Range Location

7.1. Physical Address. 848 Coatesville-Riverhead Highway, Riverhead 0793.

7.2. Map Locations. NZ Topo 50; Sheet BA31, Waitemata, Edition 1.07 dated 2020.

Club rooms: GR 4365 3191

Range 1: GR 4355 3200

Range 2: GR 4362 3193

Range 3: GR 4366 3194

Approved Range Users and Priority of Use

8.
 - a. Members of the NZDA North Auckland Branch.
 - b. Members of other NZDA branches
 - c. Guests of branch members

Warning Flags and Danger Signs

9.1. Flags. Flags are to be raised as described and located at Annex A. The OD/RO is responsible for ensuring flags are raised and lowered each day of use.

9.2. Danger Signs. Danger signs are permanently located as described in Annex A. The OD/RO is responsible for ensuring these signs are present and visible each day of use.

Ranges: Description, Restrictions, and Conditions of Use

10.1. Range 1:

10.1.1. Description. Range 1 is a 200m, open air, rifle, no-danger area (NDA) range with a fixed target line and firing points at 200m, 100m, 50m and 25m.

10.1.2. Restrictions.

Rifles up to 8mm (.323) calibre with a muzzle energy not exceeding 4,000 ft/lb (5,400 Joules (J)).

Rifles firing pistol cartridges up to .45 calibre with a muzzle velocity under 2,000 fps.

Black powder rifles up to .758 calibre with a muzzle velocity under 2,000 fps..

10.1.3. Conditions of Use.

10.1.3.1. Range 1 is only to be used when under the control of at least one qualified OD/RO appointed by the SRO.

10.1.3.2. All shooting on range 1 is to be conducted from a supported position with the exception of .22 LR metallic silhouette competitions, where standing unsupported firing is permitted. A shooting position is considered to be supported when a natural or artificial aid to shooting is used, e.g. a bench rest, bipod, sand bag, fencepost, or rifle sling.

10.1.3.3. Firing from any position at the 200m firing point is only permitted if the firer has previously proven his/her ability to maintain a 5 mil (or smaller) cone of fire at either 50 m or 100 m, such proof having been witnessed and recorded by an OD/RO. See also Annex B.

10.1.3.4. All firing on Range 1 is to be from a numbered lane directly onto the corresponding numbered target. No cross-firing is permitted.

10.1.3.5. Shooting from provided bench rest tables is only permitted with the use of bags, bipods or a combination of both, with the shooter in a seated position.

10.1.3.6. Ammunition used to shoot rim fire metallic silhouette matches is to be .22LR with a muzzle velocity not exceeding 1080 fps.

10.2. Range 2:

10.2.1. Description. Range 2 is a 25m, open air, rifle, NDA range.

10.2.2. Restrictions.

Rifles up to 8mm (.323) calibre with a muzzle energy not exceeding 4,000 ft/lb (5,400 Joules (J)).

Rifles firing pistol cartridges up to .45 calibre with a muzzle velocity under 2,000 fps.

Black powder rifles up to .758 calibre with a muzzle velocity under 2,000 fps..

10.2.3. Conditions of Use.

10.2.3.1. Range 2 is only to be used when under the control of at least one qualified OD/RO appointed by the SRO.

10.2.3.2. All firing on range 2 is to be from the seated position, using the numbered portal provided, firing onto the correspondingly numbered target. No cross-firing is permitted.

10.3. Range 3:

10.3.1. Description. Range 3 is a 50m, open air, air rifle NDA range.

10.3.2. Restrictions.

Air rifles, spring actuated, up to .22 calibre with a muzzle energy not exceeding 28 ft-lb (38J).

Air rifles, pre-charged pneumatic (PCP), up to .22 calibre with a muzzle energy not exceeding 28 ft-lb (38J).

Air pistols with a muzzle energy not exceeding 8.5 ft-lb (11.5J)

10.3.3. Conditions of Use.

10.3.3.1. Range 3 is only to be used when under the control of at least one qualified OD/RO appointed by the SRO.

10.3.3.2. Targets distances not less than 10m.

Range Safety Roles

11.1. SRO. The SRO is responsible for the following safety roles:

- a. Controlling access to the complex.
- b. Registering all range users
- c. Ensuring a suitably qualified OD/RO is present to command all ranges in use.
- d. Ensuring all range facilities are in proper repair and fit for their approved use.
- e. Recording and reporting accidents and incidents as necessary.

11.2. The OD/RO. The OD/RO is responsible for the following safety roles.

- a. Ensuring the required flags and signs are displayed and clearly visible.
- b. Preparing the range for use.
- c. Conducting any required verbal safety briefings.
- d. Controlling all people and firing on the range.
- e. Refurbishing the range after use.
- f. Recording and reporting any accidents or incidents as necessary.

Range Safety Rules

12.1 General Rules.

12.1.1. Access. Members must only access the property for shooting activities on advertised shooting days and only when the gate is unlocked. The SRO is to ensure the gate is locked at all other times.

12.1.2. Registration. All range users are to register with the SRO before attending any of the ranges.

12.1.3. Restricted Areas. The waterways and equipment containers are restricted areas, to be accessed only with specific permission of the SRO.

12.1.4. Carriage of Firearms. When removed from vehicles, rifles are to be removed from bags and boxes, carried pointing down, magazine removed, with a chamber flag clearly visible in the open chamber.

12.1.5. Supervision of Minors. Minors are to be supervised at all times when on the property, noting in particular the dangers posed by the open waterways bordering the ranges.

12.1.6. Domestic Animals. Domestic animals are not permitted on any active range, except in vehicles parked in designated areas.

12.1.7. Vehicles. Vehicle access is only permitted on formed roads and tracks. Parking is to be only in designated parking areas.

12.2. Shooting Rules

12.2.1. Before Shooting

- a. All required flags and signs are to be displayed before any firing occurs.
- b. All required access and spectator control measure are to be established.
- c. All firers are to receive a verbal safety and activity brief from the OD/RO.
- d. All targets are to be mounted correctly according to RSO.
- e. All firers are to be correctly positioned before opening the range for firing.

12.2.2. During Shooting

- a. The commands of the OD/RO are to be obeyed.
- b. All firing is to be from a designated lane onto the corresponding target number.
- c. All firers are to achieve the required cone of fire (CoF) – See paras 24 and 25.
- d. No firearms or equipment are to be handled when the firing point is closed for target marking.
- e. Firearms are not to be left unattended.
- f. Firearms are not to be handled without the owner's permission.
- g. The use of chamber flags is mandated on all ranges, used as and when directed by the OD/RO.

12.2.3. After Shooting.

- a. All flags are to be lowered.
- b. All control measures and signage are to be stowed away and containers locked.
- c. All access points and gates are to be locked.
- d. The OD/RO is to raise and submit any required reports.

12.3. Approved Shooting Activities. Approved shooting activities, by range, are as follows:

12.3.1. Range 1.

- a. Training new shooters – shooting coaching.
- b. Shooting competitions.
- c. Ammunition testing – see para 27.
- d. General practice and individual shooting skill improvement.

12.3.2. Range 2.

- a. Sighting in.
- b. Ammunition testing – see para 27.

12.3.3. Range 3.

- a. Airgun shooter coaching
- b. Airgun competitions.
- c. Airgun general practice and individual shooting skill improvement.

13. **New Ammunition Types.**

13.1. Before any new ammunition type is used on any range, that type must be approved for use by the SRO and subsequently authorised by amendment to RSOs. Use is only permitted after application to NZ Police who will review the conditions of range certification and give or withhold approval for the use of that ammunition type.

14. **Targets**

14.1. Approved Target Types.

14.1.1. Range 1 – paper targets and rim fire metallic silhouette targets.

14.1.2. Range 2 – paper targets.

14.1.3. Range 3 – paper and airgun metallic silhouette targets.

14.1.4. Under NO circumstances are targets depicting any humanoid form to be used on any range.

14.2. The correct placement of targets

14.2.1. Range 1 – Paper targets are to be placed on the backing board provided. Metallic silhouette targets are to be placed on the topple-stands immediately in front of the backing boards.

14.2.2. Range 2 – targets are to be placed on the backing board provided.

14.2.3. Range 3 – targets are to be placed in the holders provided within the approved centre heights.

14.3. Approved target centre heights

14.3.1. Range 1 – Paper targets at 1.6m centre above the ground. Silhouette targets 1.2m above the ground.

14.3.2. Range 2 – 1.2m above the ground.

14.3.3. Range 3 – various heights between 500mm and 1.2m depending on the format of the competition.

14.4. The procedure for approval and use of new targets. If an additional type of target is required, then prior approval for its use is to be obtained from the SRO. Steel and moving targets are not approved for use on any ranges in the complex.

Steel Targets

15. Steel Targets. Not applicable – see para 14.4.

Moving Targets

16. Moving targets. Not applicable – see para 14.4.

Minimum Safe Engagement Distances.

17. a. Range 1. 15m.
b. Range 2. 25m.
c. Range 3. 10m.

Eye and Hearing Protection

18. All firers are to wear hearing protection whenever the range is open for firing.

Medical and Emergency

19.1 Medical Kits are maintained in the following locations:

- a. clubrooms (the "Schoolhouse")
- b. Range 1 - 200m shed
- c. Range 1 - 100m shed
- d. Range 2 - 25m shed

19.2. Emergency services are to be contacted by cellphone on 111.

Accidents and Incidents

20. Accidents and incidents are categorised as being either;

- a. NOT involving the use of firearms or ammunition, or
- b. Involving firearms or ammunition

20.1. Accidents and incidents NOT involving firearms or ammunition.

20.1.1. Incident. The OD/RO is to apply corrective action/advice to prevent recurrence of the incident and record the incident and action in the Day Book. If the incident results in a person being removed from the range a separate report is to be made to the SRO the following day.

20.1.2. Accidents Involving People. If the accident results in injury to a person, the OD/RO is to initiate first aid assistance, and if required initiate attendance by emergency services. Accidents involving injury to people are to be reported to the SRO the following day.

20.1.3. Accidents Involving Property. Accidents involving property are to be recorded in the Day Book and, if the damage compromises the safe operation of the range, shooting is to be stopped and the damage repaired.

20.2. Accidents and Incidents involving firearms or ammunition.

20.2.1. Accidents Involving Injury. Section 58 of the Arms Act 1983 requires that any person who causes injury or death by the use of a firearm reports to Police as soon as practicable. Any such event on any of these ranges is also to occasion the following actions by the OD/RO.

- a. All firing is to be stopped.
- b. Any residual danger is to be mitigated.
- c. First aid is to be rendered, and, if necessary, emergency services called.
- d. The scene of the accident/incident is to be secured and evidence preserved.
- e. Witness statements are to be taken if appropriate.
- f. A report is to be made to the SRO as soon as practicable.
- g. The OD/RO is to be available to assist Police as required.

20.2.2. Incidents NOT involving Injury. Where an incident involving a firearm or ammunition does not result in injury, The OD/RO is to take corrective action (such as preventing the further use of a firearm and/or ammunition), provide advice as necessary to better inform the firer, and is to record the incident in the Day Book.

Fire Precautions and Procedures

21.1. Evacuation. Evacuation procedure is to vacate the range shed/room and gather upwind of the fire. All firing on adjacent ranges is to be stopped.

21.2. Equipment. The club rooms and range sheds are equipped with portable fire extinguishers.

21.3. Fire Restrictions. All outdoor fires are to comply with seasonal Council permit requirements.

Range Clearance

22. When firing is complete for the day, the following clearance actions are to be completed, supervised by the OD/RO.

- a. The firing point is to be cleared of control equipment and signage.
- b. The target line is to be cleared of targets and debris
- c. A walk-through of the firing line is to clear any unfired/dud ammunition.
- d. Flags are to be lowered/put away.
- e. Sheds, containers and club rooms are to be locked.
- f. The entrance to the property is to be locked and any gate signage put away.

Unauthorised Access or Use of the Ranges

23.1. If any branch member is alerted to unauthorised access or firing (on non-shooting days) at the range, he/she is to immediately contact a member of the SRO (a committee member). If practicable a member of the SRO is to investigate or contact neighbours for details.

Cones of Fire (CoF)

24. The permitted cones of fire for the three ranges are as follows:

- a. Range 1:
 - at 50m – 20 mils. This is a cone of 2m diameter at the target.
 - at 100m – 15 mils. This is a cone of 3m diameter at the target.
 - at 200m – 5 mils. This is a cone of 2m diameter at the target
- b. Range 2 – 40 mils
- c. Range 3 – 10 mils

Inability to Achieve Cone of Fire

25.1. All range users are to achieve the specified cone of fire for a given range and distance. Proof of competence is to be achieved at the shortest range before progressing to longer ranges. The procedure for ensuring every range user achieves the required cone of fire is detailed at Annex B.

25.2. Where a range user is unable to achieve the required CoF needed to progress to a longer distance, that firer is to be restricted to events at the longest range for which they have demonstrated competency. Any firer that cannot achieve the largest required CoF (20 mils at 50m) is to be referred to a club marksmanship programme.

Unlicensed or Inexperienced Shooters

26. Unlicensed or inexperienced shooters are to be supervised by another licensed person. The requirement for immediate supervision requires that the supervisor be able to control the direction and use of the firearm at all times – typically by being within arm's reach of the firearm.

Test Firing

27.1. Test firing of new firearms or newly-fitted sights is only permitted on Range 2.

27.2. Test firing of ammunition (factory or hand-loaded) in a properly sighted rifle is permitted on Range 2, subject to the CoF restrictions in para 24. The test firing of ammunition is only to occur from the prone supported position or off a benchrest.

Air Danger Height

28.1. The air danger height for the complex is 120m or 400 ft.

28.2. Intrusion into Airspace. If any aircraft intrudes into the airspace above any range, the OD/RO is to stop all shooting until the aircraft clears the area.

28.3. Local Civil Aviation Authority (CAA) Agreement. Not Applicable

Range Maintenance Plan

29.1. The ranges are subject to inspection before and after each shooting day. The SRO is to publish a schedule of maintenance tasks and remedial work to be undertaken at the quarterly working bees. Any damage that affects the safe operation of any range is to be remedied before the range is used again.

Children (Minors) on the Ranges

30. Supervision of Children (Minors). Children/Minors are to be supervised at all times when on the property, noting in particular the danger posed by the open waterway bordering the ranges.

Health and Hygiene

31. Due to the risks inherent in lead projectiles and lead residues, all range users are urged to wash hands after shooting and before handling food and drink.

Domestic Animals

32. Domestic animals are not permitted on any active range, except in properly ventilated vehicles parked in designated areas.

Additional Information

33.. Reserved

Amendment to These Range Standing Orders

34. These RSO are published for the safe use of all ranges operated by the NZDA North Auckland Branch. These RSO are approved by NZ Police. Amendments to these RSO are to go through the SRO management committee, then through NZ Police, and if approved, are to be distributed by electronic and printed means to every branch member.

Authorisation of Range Standing Orders

35. These RSO are authorised by the SRO with effect 2 April 2023.

Distribution List:

36. Distribution of RSO as follows:
- a. All financial members of the NZDA North Auckland Branch (electronic).
 - b. Clubrooms notice board
 - c. Ranges 1 – 3, 1 copy each
 - d. OD/RO Folder
 - e. Web site resource (www.nads.org.nz)

Annexes:

- A. Range Complex Layout Showing Flags and Signs
- B. Procedure for Ensuring all Firers Achieve Required Cone of Fire

RANGE LAYOUT SHOWING LOCATION OF FLAGS AND SIGNS



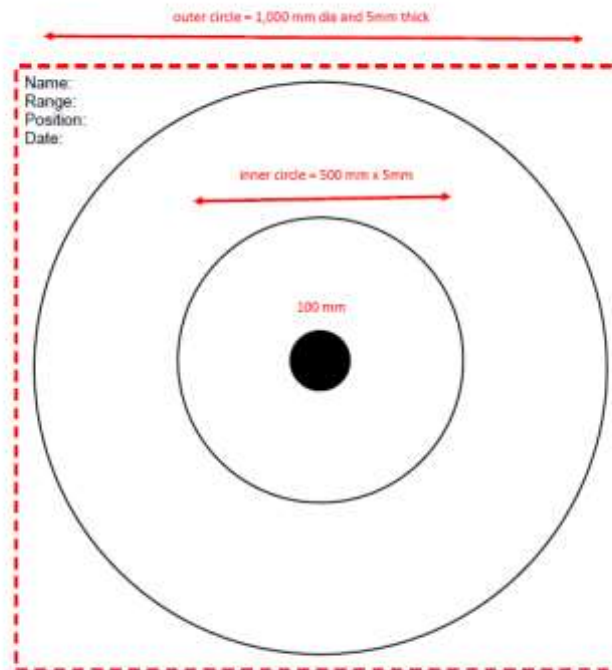
PROCEDURE FOR ENSURING ALL FIRERS ACHIEVE THE REQUIRED CONES OF FIRE

All firing on Range 1 is to be done with the use of an approved support, being any one of; a bench rest, bi-pod, bags, post, pack or sling. The exception to this order is when firing rim fire silhouette using standard velocity .22LR ammunition, no sling is required.

Before firing from any position at the 200m firing point, every range user must have proved his/her ability to maintain a cone of fire of 5 mils (or smaller) from the standing supported position. The procedure for proving this competence is as follows:

- a. The COF target (see graphic below) is to be engaged with five rounds from the standing supported position at either 100m or 50m.
- b. From 100m the firer is required to place all five shots within the 1m diameter outer circle. From 50m the firer is required to place all 5 shots within the inner 500 mm circle.
- c. The OD/RO or Competition Director is to photograph the target for recording by the branch Secretary.
- d. This procedure need only be conducted once for club members, but must be repeated every time for visitors and guests.

Special target for proving Individual Cone of Fire
Print only identity text, black circles and centre dot
Do not print any measurements marked in red



Durable rigid material – like 5mm coreflute, white; able to be written on with white-board marker pen, must be able to be patched out after each use.

Overall size does not matter, but 1.2m x 1.2m (see dotted outline) would be ideal.
Six required initially