Range Standing Orders

Sydney Colonial Muzzle-Loading Club Inc

423 Sackville Ferry Road, Sackville North NSW 2756

Issue 1 • Prepared 30 September 2026 • For committee adoption

1. Authority

These orders govern safe use of the range complex, at
423 Sackville Ferry Road, Sackville North, including its Range Danger Areas (RDAs).
The Shooting Range Approval names Mark Stannard as approval holder.

The law, current Range Approval and any subsequent written Registry conditions prevail.
These orders add club operating controls; they do not enlarge the approval, establish new firing positions or replace the approval document.
Neither the Committee nor a Range Officer (RO) may waive a statutory requirement or an approval condition.

Display the current Range Approval and these orders in full in a prominent position at the range.
All RO's and range users must read and acknowledge these orders annually and be briefed on material changes. Record the issue acknowledged. Complete the adoption and site verification record at the end of this document.

Permitted activities and personal authority

The approval lists general target practice; sighting in and ammunition development; shotgun patterning and alignment; and licensed firearms dealer or club armourer use under Condition 16. Dealer testing is limited to firearms registered to the dealer licence and must be supervised by the approval holder or a licensed person nominated by the approval holder.

Each shooter must have a current licence or permit valid in NSW, of the appropriate category and genuine reason for authority for the actual activity.
Range shooting activities require Sport/Target Shooting authority.
A hunting or collecting authority alone does not provide general entry to target shooting events.
Any proposed sighting-in or testing under another authority must be checked separately by the approval holder before admission; it must not be used to relabel a target match.

2. Responsibility and supervision

The approval holder remains responsible for safe operation and control of the range and RDA.
The Committee maintains these orders, authorised RO arrangements and the supporting site records.
A club-authorised RO, appropriately licensed and familiar with the particular range, must take charge before shooting starts.

Range Officer (RO)
The RO controls all people on the active range, may refuse unsafe equipment or conduct, stop shooting and require a person to leave. Transfer of control must be explicit. For shooting outside scheduled events, retain the club minimum of two appropriately licensed shooters, one acting solely as RO while the other shoots.

Unlicensed participation requires all applicable eligibility checks and the current prescribed declaration process before shooting, with one suitably licensed supervisor for each unlicensed shooter throughout. This is additional to range control. Supervise junior and probationary shooters as their authority and club rules require. Members remain responsible for accompanying children, guests and pets; the RO controls spectator access.

3. Range approval limits

Calibers are maxima, not blanket permission to use every load.
All ammunition must also satisfy the applicable ballistic limits, target restrictions and personal licence or permit conditions.

Club range and approval description	Ammunition listed in the approval
Range 1 • Open Range. Near the main facilities, below the car park. No Danger Area, Open Range. 15 Lanes. Upper 100 m range Muzzle energy must not exceed 2,030 Joules (1,495 ft-lb).	Air pellet up to .25 inch Rimfire up to .22 inch Pistol up to .45 inch Shotgun, all gauges, No. 6–9.5 shot Rifle up to 8 mm Black powder up to .75 inch Cannon no larger than 10 gauge (.775 inch)
Range 2 • Rifle Range - 7.62 FFA *"Field Firing Area"* Lower 300 m range At the end of the access road into the gully. Movement Box, Hill background applied. 8 Lanes QE < 11.25° (200 mils); ADH 1,000 ft.	Air pellet up to .25 inch Rimfire up to .22 inch Pistol up to .45 inch Rifle up to 8 mm Black powder up to .75 inch Shotgun, all gauges: No. 6–9.5 shot, Buckshot OS/SG, Solid Shot (all natures) Cannon no larger than 10 gauge (.775 inch)
Range 3 • FFA, Movement box, Hard target applied, Hill background applied. Beside Range 2. Approval describes a 50 m range. • Lower pistol and single action area 2 lanes. 9 mm–.45 inch QE < 12.375° (220 mils); ADH 900 ft.	Air pellet up to .22 inch Rimfire up to .22 inch Pistol up to .45 inch Black powder up to .75 inch Shotgun, all gauges, No. 6–9.5 shot Cannon no larger than 10 gauge (.775 inch)
Range 4 – Trap Safety Layout Template. At the base of the staircase at DTL Trap house.	Shotgun all gauges using 6 – 9.5 shot No buckshot or solid shot under these templates.
Range 5 • Shotgun range 5 Stand Safety Layout Template Beside the upper range, near the road to the lower ranges.	Shotgun, all gauges, No. 6–9.5 shot only. No buckshot or solid shot under these templates.

Source: Range Approval, printed pages 1–2. QE means quadrant elevation; ADH means air danger height. Preserve the approval's stated values. ADH is a template parameter, not permission to fire upwards.

Existing positions only

Use only positions verified against the approved layout and marked on site.

No larger-cannon exemption is established by the supplied approval. Do not use a cannon above 10 gauge (.775 inch) unless a current written Registry variation specifically authorises that use on the relevant range.

4. Ballistic limits and targets

Energy and velocity

Range 1: every load must not exceed the 2,030 J (1,495 ft-lb) energy ceiling.
This **is not** a *velocity* of 1,495 ft/s; the approval states no separate velocity ceiling here.
The RO must verify compliance using reliable load or manufacturer data, not calibre alone.

For Ranges 2 and 3, the approval names danger-area templates without printing separate muzzle-velocity and energy ceilings. The following additional club ceilings drawn from the supplied Range Users Guide 2017, Annexure B, page 19. Any more restrictive site-specific Registry direction also applies.

Target controls

Ranges 1 and 2: paper targets on the established frames and approved lines of fire.

Range 3: paper targets, or established reactive steel targets with the required canopies or shrouding and verified safe separation. Frangible targets may be used only within the verified approved layout.
No improvised targets i.e. glass, cans, improvised hard targets or ad hoc installations.

Range 4 & 5: frangible clay targets within the approved trap or five-stand layout.

Check target placement, backstops, frames, canopies and impact areas before firing.
Close any affected position if damage, exposed hard surfaces or target placement creates an unsafe ricochet or escape path.
All shots must remain within the approved layout.
Do not engage targets across neighboring lanes or bays.

Fixed arcs and movement boxes

Condition 8 states:
Any Proposed alterations or additions to the range after [Approval 27/03/2023 – 404120623] must have the prior written approval from the Firearms Registry. This condition extends to any desired or necessary alterations to the RDA or the location of the range.

Conditions 11–12
Require fixed arc markers and each movement box's (Range 2 & 3) exact start and finish points to be marked during shooting.

Install markers at the verified approved ground positions; keep them visible and check them before every session.

The controlled site plan or marker record must identify those positions using fixed reference points, dimensions or photographs.

Do not reconstruct them from memory or move them to suit a stage.
If the correct positions cannot be verified, close the affected range pending resolution.

On Ranges 1, 2 and 3, fire parallel to the marked lines of fire.

Specialist match procedures may add controls but must not weaken these orders.

5. Opening the range and controlling access

Before any shooting

The RO must confirm the approval and permissions remain in force, agree which ranges will operate and inspect firing points, targets, backstops and danger areas. Keep people, vehicles and animals clear of active danger areas.
Check visibility, weather and fire conditions; do not shoot if containment or control is doubtful.

Verify markers, apply closures, display warnings and test communications.
Confirm emergency contact arrangements, first-aid and fire equipment, and emergency vehicle access.
If an essential control fails, keep the affected range closed.

Check shooters' authority and equipment, record attendance and brief commands, firing limits, closures, spectator positions and emergencies. No loading or firing without the RO's express authority.

Flags and warning signs

The range's RED flags MUST be flown from the flagpoles at the main entrance to the complex when firing is being conducted on any range within the facility. Each range area has specific flags which must be flown when in use. These are as follows:

Location	Required warning while firing is conducted
Main entrance	Red flag whenever any range in the complex is in use.
Range 1	Red flags at the range entrance/firing line and the nearby range flagpole, as described in the drafts.
Ranges 2 & 3	On the road to the lower ranges Open and display the warning sign and fly the Red flag.
Range 4 and 5	Red flag at the shotgun range flagpole.

Flags warn of range activity; they do not authorise handling or firing. Keep warnings effective during temporary ceasefires within a session. Lower them when the relevant range is closed and made safe. Lower the entrance flag only when all ranges have finished.

Road and range closures

Active range	Required closure or control
Range 1	The RO must keep its firing and impact areas clear and check interaction with other activity.
Range 2	Suspend Range 3 and keep people clear of the danger area. No passage until Range 2 is made safe and the RO releases the road.
Range 3	Close Range 2. Do not operate the two Movement Box area's independently unless their separation and operating arrangement and alert communications have been verified.
Range 4	Do not operate Range 2 & 3 unless separation and operating arrangement and alert communications have been verified.
Range 5	Close the road to the lower ranges. Close all of Range 2 & 3

Test radios between active ROs and any person controlling access; agree the channel and ceasefire procedure at the briefing. Loss of essential communication means cease fire. A camera, PA system or emergency button supplements direct control and does not replace it. Do not assume an emergency button calls emergency services.

6. Firing and safe handling

Normal club shooting hours are 9.00 am to 5.00 pm. No informal extension is permitted.
Any special session must first be checked against all applicable consent, noise and Registry conditions and authorised in writing by the approval holder.
An RO or calendar entry cannot override those conditions.

Command	Required response
RANGE IS OPEN	The RO has completed the opening checks. Handling and loading may occur only as instructed. Fire only on the RO's separate instruction to commence.
LOAD AND FIRE	Load and Shoot only the designated targets, from authorised positions and within the briefed limits.
CEASE FIRE	Anyone may call this for danger. Stop immediately, remove the finger from the trigger, keep the muzzle in a safe direction towards the backstop and await the RO's directions. Do not discharge a loaded firearm merely to empty it. A ceasefire alone is not permission to go forward.
UNLOAD AND SHOW CLEAR	Unload as directed and present the firearm for checking. Tell the RO immediately if a charge or projectile remains, or a firearm cannot be cleared.
RANGE CLOSED	After the RO has checked all firearms safe, secure them in the designated racks, cases or authorised holsters. No handling, loading, cleaning or maintenance. Go forward only on the RO's permission.
STOP, STOP, STOP	Indicates immediate cessation of firing. (firers are to cease fire, fingers clear of trigger, safety catch applied, and firearms aimed at the target -safe direction- and await further instruction)

The RO must account for everyone downrange before reopening.
Where a green / red safety light are fitted, no firearm is to be touched while it is showing.
No person may handle a firearm for any reason while others are forward of the firing line.Keep firearms under control and never leave a loaded firearm unattended. Unloaded breech-loaders must have actions open where practicable; use chamber flags where appropriate.

Handguns must be cased or in an authorised holster except at the firing line or an RO-controlled inspection/handling area.

Black powder and specialist firearms

Load only in the designated area under RO control. Cap, prime or fuse only when authorised on the firing line, directed safely downrange. Load from single-charge containers, never directly from a bulk flask, horn or canister. Keep powder and caps covered; no duplex mixtures of smokeless and black powder. Keep bulk-powder transfer at least 3 m from firing and ignition sources.
Flintlocks must have flash guards.

Matchlock use requires a dedicated assistant, separation from other shooters and control of lit match cord; retain the club's minimum 3 m separation. Cannon firing requires a competent specialist RO and the applicable cannon safety procedure, including control of ignition sources, bore clearing and swabbing, recoil and misfires. Neither a match rule nor an historical exemption overrides section 3.

If there is a misfire, suspected hangfire, obstruction or retained charge, keep the firearm directed safely downrange, notify the RO and stop further loading. Apply the firearm-specific safe waiting and clearing procedure under competent supervision. Do not assume that removing a cap or priming renders a charged firearm unloaded. No downrange access until the RO has established a safe condition.

7. Personal safety and emergencies

Eye and hearing protection and enclosed footwear are mandatory for shooters and range staff near firing. Spectators must wear appropriate protection and remain at least 5 m behind an active firing line, or farther away if directed. Only authorised people may enter loading and firing areas.

No alcohol during shooting operations.
Anyone affected by alcohol, drugs, medication, fatigue or illness to the extent that safe handling is impaired must not handle firearms or shoot. The RO must exclude unsafe participation.
Smoking is restricted to designated areas, never on a firing line, in wooded areas or within 3 m of loading or ignition-sensitive materials.

Emergency response

Call CEASE FIRE; secure the affected ranges and stop access.
Call 000 for an emergency and give: Sydney Colonial Muzzle-Loading Club, 423 Sackville Ferry Road, Sackville North NSW 2756; the type of incident; and the exact location within the complex.
Send a person to the entrance to guide responders when safe. Give first aid within competence.
Do not attempt firefighting where it exposes people to danger.

The RO must brief the location of first-aid equipment, extinguishers, emergency contacts and the safe assembly point before shooting.

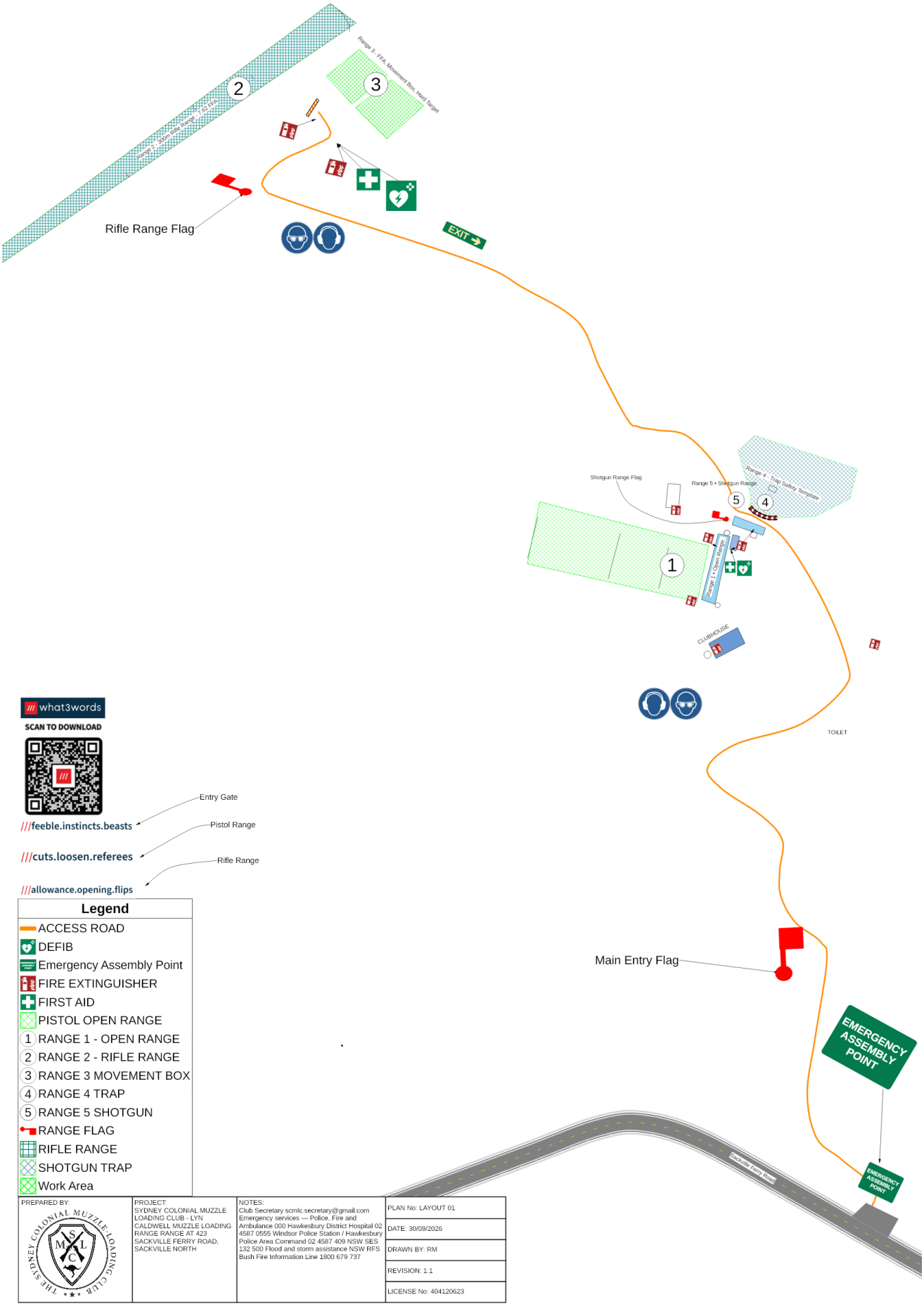
Notify Police immediately of any incident or accident involving possession or use of firearms on the range that causes injury or property damage.
Notify the Firearms Registry Range Unit separately within 48 hours, as required by Condition 9.
Call 000 for urgent danger; use 131 444 for non-urgent Police assistance.
Range Unit email: frranges@police.nsw.gov.au.
Notify the approval holder and Committee promptly; internal reporting does not replace Police or Registry notification.

Record the facts, witnesses, firearms and ammunition involved, times and notifications.
Preserve the scene and relevant records, except as needed to protect life or make the area safe.
Stop the affected activity after a suspected escaping projectile, unsafe ricochet or serious near miss; record and investigate it before authorised reopening. Comply with Police directions.

8. Closing the range (The Complex)

At completion, the RO must check every firearm safe before removal; account for people; Ensure cases are collected, shells and debris; return portable frames and equipment to storage; extinguish ignition sources; and check for fire.
Coordinate with other ROs before removing barriers or lowering shared flags.
Secure buildings and containers, and have the last authorised person lock the entrance gate..

The approval holder must keep permissive shooting rights and local consent current; obtain prior written Registry approval for proposed range, RDA or location alterations; notify the Registry in writing within seven days of range closure or a change to the holder’s address/contact details; and provide access and records for authorised inspection. The approval cannot be transferred. Review these orders after an approval variation, relevant legal change or incident, and at least annually.


2
Range 2 - Rifle Range - 02 4587
3
Range 3 - FFA, Movement Box, Hand Target
Rifle Range Flag
EXIT
Shotgun Range Flag
Range 5 • Shotgun Range
Range 4 - Trap Safety Template
5
4
1
Range 1 • Open Range
CLUBHOUSE
TOILET
what3words
SCAN TO DOWNLOAD
///feeble.instincts.beasts
Entry Gate
///cuts.loosen.referees
Pistol Range
///allowance.opening.flips
Rifle Range
Legend
ACCESS ROAD
DEFIB
Emergency Assembly Point
FIRE EXTINGUISHER
FIRST AID
PISTOL OPEN RANGE
1 RANGE 1 - OPEN RANGE
2 RANGE 2 - RIFLE RANGE
3 RANGE 3 MOVEMENT BOX
4 RANGE 4 TRAP
5 RANGE 5 SHOTGUN
RANGE FLAG
RIFLE RANGE
SHOTGUN TRAP
Work Area
Main Entry Flag
EMERGENCY ASSEMBLY POINT
Sackville Ferry Road
EMERGENCY ASSEMBLY POINT
PREPARED BY:
THE SYDNEY COLONIAL MUZZLE LOADING CLUB
PROJECT:
SYDNEY COLONIAL MUZZLE LOADING CLUB - LYN CALDWELL MUZZLE LOADING RANGE RANGE AT 423 SACKVILLE FERRY ROAD, SACKVILLE NORTH
NOTES:
Club Secretary scmlc.secretary@gmail.com
Emergency services — Police, Fire and Ambulance 000 Hawkesbury District Hospital 02 4587 0555 Windsor Police Station / Hawkesbury Police Area Command 02 4587 409 NSW SES 132 500 Flood and storm assistance NSW RFS Bush Fire Information Line 1800 679 737
PLAN No: LAYOUT 01
DATE: 30/09/2026
DRAWN BY: RM
REVISION: 1.1
LICENSE No: 404120623

Adoption and site verification record

Complete the checks below before bringing this issue into force. An unresolved item must keep the affected activity closed; signing this page does not cure an approval or layout defect.

Required check	Record or confirmation
Current authority	Confirm the latest approval, written variations, approval-holder details and current permissive shooting rights/local consent. The 2021 consent carries an older approval number; retain evidence linking the current operation to its consent.
Layout and movement boxes	Attach a controlled site plan or marker schedule identifying each range, approved firing positions, target lines, fixed arcs, exact movement-box start/finish points and fixed ground references. Record the plan identifier and revision below.
Lower range and targets	Confirm the physical area corresponding to the approved 50 m template, the permitted shorter positions, steel-target arrangements and safe separation. Verify applicable ballistic limits for listed ammunition not resolved by the Guide table.
Access and emergency controls	Confirm danger-area boundaries, road barriers, flag and sign positions, RO communications, first-aid/fire equipment locations, emergency contact method and assembly arrangements.
Club adoption	Expressly adopt the conservative closures and other club restrictions in this issue. Confirm authorised ROs, register fields and retention requirements, and issue the annual acknowledgement record.

Controlled site plan or marker schedule ID and revision: Layout 01 Rev 1.1

Checks completed by: __R. Meads_____ Date: ___30-09-26_____

Committee resolution and adoption Date: __06-10-2026____

Approval: _____ Date: __06-10-2026____

Effective date: ___06-10-2026____ Next scheduled review: __06-09-2027_____

Sources

Primary source: Shooting Range Approval No. 404120623, 27 March 2023, reference DOC23/17617, printed pages 1–4 (PDF pages 2–5). Drafts: standing orders 2.docx and standing orders(1).docx,

Supporting sources: NSW Firearms Registry Range Users Guide 2017, Annexure B page 19 and standing-order example pages 75–80; SCMLC Range Rules and Safety Regulations Update 2018; Registry clarification email dated 5 November 2025; The Hills Shire Council local consent dated 27 July 2021; Crown Lands tenure confirmation dated 27 August 2021.

The 2018 rules contain wider historical cannon permissions and other legacy provisions which cannot override the 2023 approval. These orders require separate authority checks.

Official reference: https://www.police.nsw.gov.au/online_services/firearms/ranges