



RANGE STANDING ORDERS

Packers Creek Rifle Range

1 Shooting range/multi-range site (complex) name

NZDA Packers Creek Range Complex.

2 Names of individual ranges *(if applicable)*

200m Range, 50m Range.

3 RSOs date *(date RSOs were authorised)*

27 August 2024.

4 Introduction

Information about the range

The Range Complex at Packers Creek contains two ranges. A 200m Gallery Range (Gallery is not currently use) with firing Lines at 100 and 200m, as well as target lines at 100 yards, 100m, 200yd and 200m. A 50m range with firing lines at 25 and 50m, as well as a target line at 50m.

The legal title of the land on which the range is located, and any associated land affected by the range danger area *(if different)*

LINZ ID: 3624305 Title: 9D/58 46439 Legal: Lot 2 DP 14527.

The name of the landowner(s) or controlling authority that approve the use of their land as a shooting range

Ngāti Koata - Under Lease to NZDA Nelson Branch. Tasman Pine Forests also have a Lease on the area which includes the Reduced Danger Area (RDA).

Hours of operation

Weekends and public holidays, daylight hours.

5 Responsibility

Name of the SRO *(who is responsible for the overall safe operation of the range)*

The Nelson Branch of NZDA is the Shooting Range Operator (SRO).

The person in charge of the day-to-day administration, management, and maintenance of the range *(if not the SRO)*

The Committee for the Nelson Branch of NZDA is in charge of the day-to-day administration, management, and maintenance of the range.

6 Compliance with Range Standing Orders (RSOs)

6.1 All range users must read, understand and comply with these RSOs while the range is in use for any activities.

6.2 In the event a user breaches these RSOs, all firing must immediately cease. Where the breach is intentional, the user will be required to leave the range before activities proceed.

6.3 Where the breach is unintentional, verification that the user understands the correct procedures to be followed must be confirmed before activities continue.

6.4 Any individual who is in breach of these RSOs is to be reported to the SRO.

7 Range Location

1 Packers Creek Road, within Hira Forest.

NZTM map sheet number and grid reference

BQ26 E1629009 N5430293.

8 Approved range users and priority of use

8.1 NZDA Nelson Branch Members.

8.2 Local rifle and gun clubs, by arrangement.

8.3 Other groups as approved by the Range Committee.

9 Warning flags and danger signs

Danger Signs

9.1 **Danger sign 1** - 100m before the eastern entrance gates.

9.2 **Danger sign 2** - 1100m up the 4WD track E1629635:N5431137.

9.3 **Danger sign 3** - 1100m up the 4WD track E1629949:N5430697.

Flags

9.4 Range Complex Flag E1629009:N5430294.

9.5 200m Range E1629070 E5430301.

9.6 50m Range E1629016:E5430316.

10 Description of individual ranges, restrictions, and conditions of use (in numerical order)

Range 1 (Number or name):	Range 1 – 200m.
Range description	<ul style="list-style-type: none"> • 200m Outdoor Reduced Danger Area (Gallery) Range. • 200m Gallery Range (Gallery not in use) with a centre line of fire of 68 degrees Grid. • The range is a RDA Range with bullet catcher berms at 100 and 200m. The range has a marker's gallery with 10 target frames. • The 100m bullet catcher berm serves as the 100m firing point. • The 200m firing point is covered and contains 20 benchrest firing positions.
Restrictions	<ul style="list-style-type: none"> • Rifles up to and including 8mm with a muzzle energy no greater than 7500 Joules. • Shotguns up to and including 12 gauge.
Conditions of use	<ol style="list-style-type: none"> 1. Only firearms and ammunition in a safe condition may be used. 2. All projectiles must be captured by the backstop at the 200m target line or 100m bullet catcher, except shotgun pellets which must fall within the footprint of the range 3. Cross lane firing is prohibited. 4. All firing is to be down range directly in line with the shooters firing position. 5. Poles (red painted) are sited to indicate the left and right limits of the bullet catcher. NO firing is to be directed outside of those poles.

	6. Personnel are only permitted in the marker's gallery during live fire when the Red Butts Flag is in use. When the flag is raised it signifies that NO FIRING MAY TAKE PLACE AND ALL FIREARMS ON THE FIRING LINE ARE TO BE CLEARED.
Range 2 (Number or name):	50m Outdoor Reduced Danger Area Range.
Range description	<ul style="list-style-type: none"> • The 50m Range with a range axis of 338 degrees Grid. • This range is an RDA Range with a near vertical hill immediately behind the target line. • There is a raised firing point at 25m and three sighting in benches at the 50m firing line.
Restrictions	<ul style="list-style-type: none"> • Rifles up to and including 8mm with a muzzle energy no greater than 7500 Joules.
Conditions of use	<ol style="list-style-type: none"> 1. Only firearms and ammunition in a safe condition may be used. 2. Cross lane firing is prohibited. 3. All firing is to be down range directly in line with the shooters firing position. 4. When this range is in use the red flag is to be raised at the entrance to the 50m range.

11 Range safety roles

11.1 An Officer on Duty (OD) / Range Officer (RO) must be on duty at all times whenever the range is in use.

11.2 The RO must hold a current firearms licence and be appropriately trained in shooting range safety management.

11.3 Safety officers may be appointed as required by the RO.

11.4 Individual shooters not shooting under the control of an RO must be RO qualified. Their firearm must be secured when they are down range.

12 Range safety rules

12.1 The following range safety rules are to be applied:

- No Firearm may be loaded unless the user is at the firing point and then only when under the orders of the RO.
- Firearms may only be loaded when pointed down the range.
- Actions will be open at all other times or checked as cleared.
- When persons need to advance in front of the firing line (e.g., to check targets etc.) all firearms will be unloaded and cleared by the RO.
- Persons advancing in front of the firing line must wear high visibility clothing to aid identification, e.g., Hat, vest or similar.
- No person may touch or adjust any firearm while persons are in advance of the firing line.
- The clearance to recommence firing must be given by the RO.
- No person should shift or handle another person's firearm unless directed by the RO.
- Firearms must be safely secured between events. Individual shooters not participating under the management of a RO will act as their own RO and must secure their firearms while they are down range.
- Only firearms in safe condition may be used.
- Sporting or ball ammunition only may be used. Use of incendiary or tracer ammunition is specifically prohibited.
- All firearms will be cleared prior to departure from the range.

12.2 Approved shooting activities are Target Shooting and Sighting in.

13 New firearm or ammunition use

13.1 If a new type of firearm and/or ammunition is proposed for use on the range, and it is confirmed to be within the design intent of the range, it must be approved for use by the SRO. Before inclusion in the RSOs, the requirements of section 34 of these RSOs are to be adhered to.

13.2 Sporting or ball ammunition only may be used.

13.3 Use of incendiary or tracer ammunition is specifically prohibited.

14 Targets

14.1 Targets are to be of a non-ricochet material, e.g., paper or cardboard

14.2 Targets are to be fixed to the provided target stands or placed in such a way that all projectiles impact in the bullet catcher.

14.3 The approved target centre height is 0.6m to 1.2m – or placed in such a way that all projectiles impact in the bullet catcher.

14.4 If a new target/target system is proposed for use on the range, it must be approved for use by the SRO. Before inclusion in the RSOs, the requirements of section 34 of these orders are to be adhered to.

15 Steel targets

N/A.

16 Moving targets

N/A.

17 Minimum safe engagement distances

Minimum safe distances are obtained by use of the fixed firing line positions only, with target lines at 25m, 50m, 100yd, 100m, 200yd, and 200m.

18 Eye and hearing protection

Hearing protection must be worn for any shooting activity.

Eye protection is at the discretion of the shooter, based on the ammunition in use.

19 Medical and emergency

19.1 A first aid kit is located in the range hut, the building immediately behind the 200m firing line.

19.2 Cell phone service is variable, depending on provider. The best reception is at the 200m Range Hut, and at the Sharland's Creek gate.

20 Accident/incident procedure

20.1 Accident not involving a firearm or ammunition: In the event of an incident / accident that does not involve a firearm, the following is to occur:

- a. All shooting is to cease immediately.
- b. All firearms that are in use must be made safe / unloaded.
- c. Ensure that immediate first aid is provided and assess the need for evacuation of the casualty to the nearest medical facility or onsite recovery by emergency services.
- d. Notify the Nelson Branch of NZDA ph: 027 2450 452, 027 430 5008.
- e. Record details of the accident / incident details in the range incident record.
- f. Shooting on the range is not to resume until approved by the RO.

20.2 Accidents involving a firearm or ammunition: In the case of an incident / accident involving a firearm or ammunition that results in serious injury or death, the following is to occur:

- a. All shooting is to cease immediately.
- b. All firearms that are in use must be made safe / unloaded.

- c. Ensure that immediate first aid is provided and assess the need for evacuation of the casualty to the nearest medical facility or onsite recovery by emergency services.
- d. Notify the Police.
- e. Notify the Nelson Branch of NZDA ph: 027 2450 452, 027 430 5008.
- f. Record details of the accident / incident details in the range incident record.
- g. Shooting on the range is not to resume until approved by the SRO.
- h. The SRO must notify the National Executive Committee of any Notifiable Injury, Incident, Illness or Event.

No media interviews are to be conducted. Refer all media to the NZ Police.

21 Fire precautions and procedures

- 21.1 Stop firing and clear all firearms.
- 21.2 All reasonable precautions must be taken against fire and any fire quickly extinguished if safe to do so.
- 21.3 All persons proceed to the grassed area between the 200m and 50m ranges.
- 21.4 Once accounted for, all persons to evacuate the forest area proceeding in convoy to the Sharland's Creek Gate entrance if safe to do so.
- 21.5 All fires will be reported immediately:
Call 111, Rural Fire Lookout 03 546 5613, and Tasman Pine Forest 03 541 7000
- 21.6 The following fire equipment shall be onsite during competition events:
Fire extinguisher (2kg dry powder), Fire back packs x 2, Shovels x 3.
- 21.7 From time to time as advised by Tasman Pine Forest, increased fire danger may result in the closing of the Range and associated activities. This will be communicated via email to members and no access to the range will be permitted until approved by Tasman Pine Forests.

22 Range Clearance

- 22.1 All targets, target stands (if applicable), rubbish, expended cartridges, are to be removed from the range and placed in the rubbish bins or stored in their respective storage area.
- 22.2 All waste and litter are to be removed from the site.
- 22.3 Range Status Signs are to be set at 'Closed', and flags lowered.
- 22.4 Gates at the entrance secured as found.
- 22.5 Any damage or concern reported to: The Range Committee NZDA, P.O. Box 495, Nelson, or Phone 027 2450452, 027 430 5008.

23 Unauthorised access and/or use of the range

- 23.1 Any individual or organisation given use of the Packers Creek Range Complex requires written authority from the SRO. Any individual or organisation unable to provide proof of this authority will be asked to leave the property immediately. Any refusal to leave should be reported to the NZ Police and the SRO as soon as possible.
- 23.2 Notify the NZDA Nelson Range Committee of any unauthorised access or use of the range.

Range intrusion procedure

- 23.3 When the range is in use for live firing, it is the responsibility of all persons on the range that if any people or animals, are seen to enter or are about to enter the active range area forward of the firing line. If the RO has not identified the intrusion, any person is required to shout 'STOP', and all shooting is to stop immediately. Only when the intrusion is clear may live firing resume under the instruction of the RO.

24 Cone(s) of Fire (CofF)

- 24.1 The approved range design CofF is +/- 20mils (1.125deg) for rifle - unsupported.
- 24.2 The approved CofF for rifle firing from a prone or supported position (e.g., benchrest) is +/- 10mils (0.563deg).

25 Inability of the shooter to achieve Cone of Fire (CofF)

If for any reason any shots fired fall outside the CofF the RO is to carry out the following procedure:

1. Stop all firing and identify the shooter responsible.
2. Observe the shooters next shot and if it falls within the CofF, allow that shooter to continue firing.
3. If the observed shot does not fall within the CofF, the shooter is to be provided with a suitable coach with the intention of bringing the next shot within the CofF.
4. Shooters who are unable to achieve the CofF are to cease firing and be provided with remedial dry-fire training to improve their shooting skills. The firearm and ammunition should be checked first to ensure there is no fault with the firearm and/or ammunition.

26 Unlicensed or inexperienced shooters

26.1 Any unlicensed shooter is to be under the immediate supervision of a firearms licence holder.

26.2 An inexperienced shooter must be able to achieve the range design CofF as described in Section 24.

27 Test firing

27.1 Test firing of rifles or ammunition can only be done with the approval of the SRO, and conducted under the direction of an RO.

27.2 Test firing of cartridges loaded by experienced handloaders is an approved activity.

28 Air danger height (ADH)

28.1 The ADH for the range is 150m (500ft).

28.2 If an aircraft is observed flying in a manner that would intrude on the range danger area, all firing must cease until the aircraft has passed.

29 Range maintenance plan

29.1 **Weekly** – Visual check of general range area by the RO opening for club members: Target Stands, Bullet Catchers, Firing Line. Concerns are to be reported to Range Committee.

29.2 **Prior to any club competition** – check of grass and scrub length and condition of bullet catchers.

29.3 **Monthly** (or as required) – range ground mowed, and grounds tidied.

29.4 **Annually** and as necessary – Bullet catchers filled to manage tunnelling and maintain minimum 34-degree slope. Scrub and shrub trim and removal.

29.5 The 50m range bridge is to be checked for safe access.

30 Children (minors)

All children must be under the direct supervision of an adult during shooting activities.

31 Health and hygiene

Individuals are to ensure they manage their person hygiene appropriately on the range. A toilet and wash facilities are available at the rear of the club house.

32 Domestic animals

Domestic animals must be restrained (e.g., on a leash, or in a locked vehicle) during shooting activities.

33 Additional headings

N/A.

34 Amendment to RSOs

The SRO must review and approve any proposed amendment. If approved, the SRO is to submit the amendment to the Clubs and Ranges Team at Te Tari Pūreke - Firearms Safety Authority for review. If approved, the SRO can include the amendment in the RSOs with a new effective date and distribute accordingly. All previous copies of the RSOs are no longer valid.

35 Authorisation of RSOs

These RSOs are approved by the Nelson Branch of NZDA.

36 Distribution list

NZDA Nelson Members.

Other groups by application and approval by the NZDA Nelson Branch Range Committee.

37 Annexes *(if required to supplement the main body)*

A. Range location and layout

B. Range danger area

C. Additional shooting organisations - NZCF

Annex A: Range location and layout



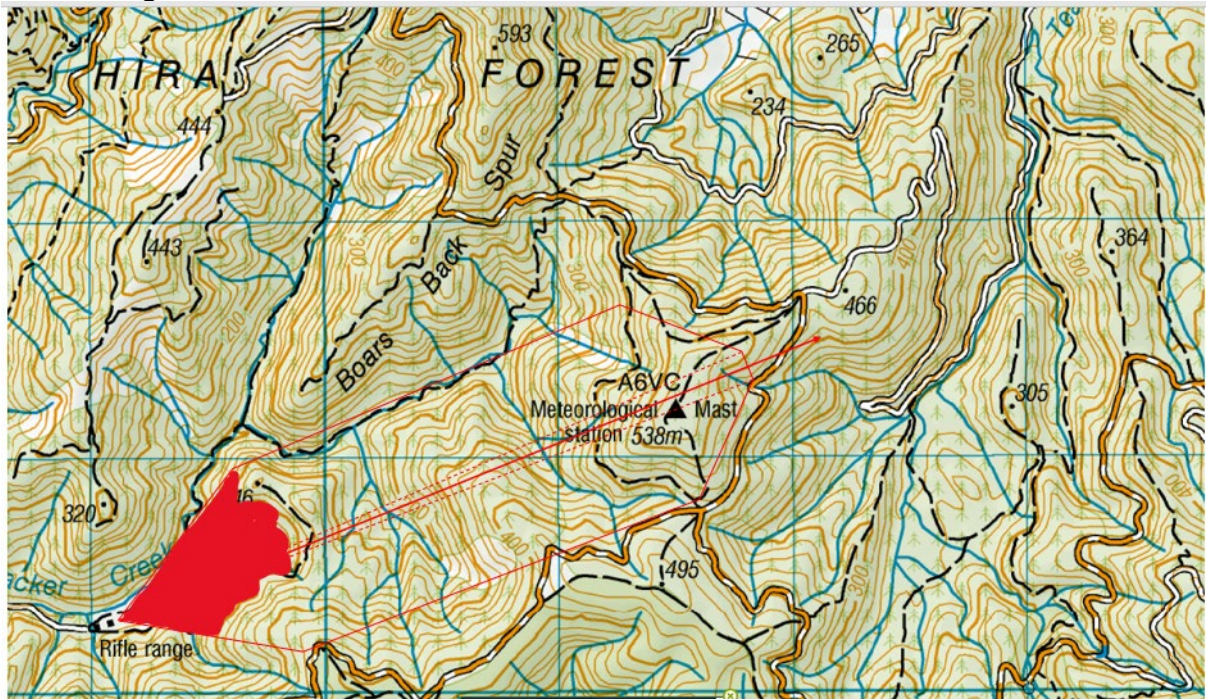
Range location



Range layout

Annex B: Range danger area

200m Range



T6 template

200m Range RDA - 200m Contour line.

Firing point - BQ26 E1629089 N5430297

Range Complex Flag E1629009:N5430294

200m Range E1629070 E5430301

50m Range



T6 template

Firing point BQ26 E1629012 N5430315

50m Range RDA - 200m Contour line.

Range Complex Flag E1629009:N5430294

50m Range E1629016:N5430316

Annex C: Additional shooting organisations

The NZ Cadet Forces (NZCF) Annex C to Packers Creek Range Complex RSOs.

1 Name/Number of individual range(s) NZCF is approved to use

1.1 Packers Creek Range Complex

2 Intended Dates/Hours of Use

2.1 Dates of use: In accordance with range bookings approved by the shooting range operator (SRO).

2.2 Hours of use: In accordance with the range bookings approved by the SRO.

3 Responsibility

- Nelson Branch of the NZDA is the shooting range operator (SRO). The SRO is responsible:
 1. For the operation of the range and compliance with the Arms Act and Arms Regulations.
 2. To ensure a record for each year ending 30 June is maintained of the Range Conducting Officers (RCOs) who are on duty at the shooting range from time to time during the year. The record is to be retained for two years after the end of the year to which the record relates.
- The committee of the Nelson Branch of NZDA is responsible for the day-to-day administration, management, and maintenance of the range.
- **The Officer in Charge of the Practice (OIC Prac)** for a NZCF live firing shoot is to be either the:
 1. NZCF officer holding the appointment of unit commander (CUCDR) of the unit conducting the shoot; or
 2. NZCF Regular Force officer or warrant officer holding the appointment of area coordinator (AC); or
 3. NZCF Regular Force non-commissioned officer holding the appointment of senior area adviser (SAA).
- The OIC Prac is not expected to attend the shoot but is responsible for ensuring that:
 1. the activity is in accordance with the unit training plan and is authorised to be conducted.
 2. the range is appropriate for the shoot to be conducted.
 3. the range conducting officer appointed is qualified, current, competent, and suitably experienced to conduct the shoot; and
 4. the training level of the cadets participating in the shoot is appropriate to the activity being conducted.
- **An Officer on Duty (Range Conducting Officer (RCO))** must be on duty whenever a range is in use for an NZCF shooting activity. The RCO is appointed by the OIC Prac and is to be either:
 1. a competent and suitably experienced NZCF officer who has:
 - a. qualified at the NZCF RCO Course and is in possession of a NZCF 40 – RCO Warrant.
 - b. is current as a RCO, that is – is certified by the OIC Prac as having planned and conducted a minimum of one NZCF shoot in the previous three years; and
 - c. is appropriately trained in shooting range safety management for the range.
 2. a competent and suitably experienced NZCF Regular Force officer, warrant officer or senior non-commissioned officer who:
 - a. regardless of any single service qualification, has qualified on the NZCF RCO Course and is in possession of a NZCF 40 – RCO Warrant.
 - b. is current as a RCO, that is – is certified by the OIC Prac as having planned and conducted a minimum of one NZCF shoot in the previous three years, and
 - c. is appropriately trained in shooting range safety management for the range.
- The RCO is responsible for:
 1. ensuring that the NZCF shoot is conducted in accordance with the provisions of NZCF 151 – *Firearms Training Manual*, authorised by the Commandant NZCF.

2. appointing safety supervisors and shooting coaches in accordance with the requirements of NZCF 151 – *Firearms Training Manual*, authorised by the Commandant NZCF.
3. ensuring the Packers Creek Range Complex range standing orders (RSOs), and this Annex, are complied with; and
4. the conduct and overall safety of the NZCF shoot.
 - The RCO is not required to hold a firearms licence but must be knowledgeable of these RSOs and this Annex before overseeing any NZCF shooting on this range.

4 Compliance with Range Standing Orders (RSOs)

4.1 All Cadet Units must comply with the Packers Creek Range Complex RSOs, which are to be read in conjunction with this Annex.

4.2 Non-compliance may result in the removal of any Cadet Unit as an approved user by the SRO and possible disciplinary action through Headquarters NZCF.

5 Approved range users and priority of use

5.1 The following NZCF Units are listed as approved users of the range and are subject to the priority of use as laid down in the RSOs:

1. Nelson Cadet Unit.
2. Other NZ Cadet Units as approved by the OIC Prac and SRO.

6 Warning safety light(s) and danger sign(s)

6.1 All red safety light(s) and danger sign(s) are to be operated in accordance with RSOs.

7 NZCF restrictions, and conditions of use

Range:	Packers Creek Range Complex
Restrictions:	<ol style="list-style-type: none"> 1. Only the NZCF current in-service single shot bolt action 5.6mm (0.22inch) rifle using NZCF issued subsonic rimfire ammunition made of lead or similar soft material is to be used. 2. The use of any other rifle, air firearm, black powder, or centrefire firearm of any type by a member of the NZCF during a NZCF shooting activity on the range is prohibited.
Conditions of use:	<ol style="list-style-type: none"> 1. The RCO is to confirm that the active range area is clear before live firing commences. 2. Firing position for NZCF smallbore rifle shooting is to be prone, (supported or unsupported), benchrest, kneeling, or standing from the 25yd firing line only.

8 Range safety roles

- A NZCF RCO must be on duty whenever the range is in use for a NZCF shooting activity. The RCO must be knowledgeable of these RSOs before overseeing any NZCF shooting on the range.

8.2 The RCO is to record in the range book, their NZCF 40 number, and the date they were on duty.

8.3 The RCO may appoint qualified and experienced safety supervisors / shooting coaches where required.

9 Range safety rules

9.1 NZCF must comply with the range safety rules listed in the RSOs. If a contradiction exists, that contradiction is to be brought to the attention of the SRO and, if approved, recorded in section 9 of the NZCF annex as an exemption to the range safety rules of the RSOs.

9.2 The RCO is to ensure the NZCF range participant declaration has been completed before NZCF personnel use the range if required by NZCF.

9.3 Only approved NZCF shooting activities are to be conducted on the range.

9.4 All cadets and staff must pass the Dry Firing Training Test (DFTT's) before being permitted to participate in the live firing activity.

10 New ammunition use

10.1 Any new ammunition must be approved by the SRO before being used on the range in accordance with RSOs.

11 Targets

11.1 Only NZCF issued paper targets approved by the SRO are to be used on the range.

11.2 All targets must be placed in the correct location and at the correct target centre height in accordance with RSOs.

12 Steel targets

12.1 The use of steel targets by members of the NZCF during a NZCF shooting activity is prohibited.

13 Moving targets

13.1 The use of moving targets by members of the NZCF during a NZCF shooting activity is prohibited.

14 Minimum safe engagement distances

- The MINIMUM safe engagement distance permitted for members of the NZCF is 25yd.

15 Eye and hearing protection

- All NZCF participants and visitors to the range are to wear hearing protection when firing is in progress. Eye protection is not mandatory but can be directed to be used by the RCO if considered appropriate.

16 Medical and emergency

16.1 Medical Cover. The NZCF is authorised to conduct live firing shoots on NZDF and non-NZDF ranges without local medical officer authorisation, so long as there is at least one person present who holds either:

1. a current St John Workplace first aid level one certificate; or
2. a current Red Cross Save a Life certificate; or
3. an equivalent NZQA Unit Standards 6400/6401; or
4. a current NZDF first aid certificate.

16.2 It is the responsibility of RCO to ensure that:

1. an approved and current first aid kit (that is in accordance with Cadet Force Orders, Volume 7, Chapter 4, authorised by the Commandant NZCF) is present for the duration of the activity.
2. any other medical equipment identified during the planning for the activity (for example – sun block, panadol, sticking plasters) is present for the duration of the activity if deemed appropriate; and
3. a casualty evacuation plan is prepared prior to the activity.

16.3 If there is no landline at the range, the RCO is to ensure that a mobile phone is available before live firing commences.

17 Accident/incident procedure

• In the event of an accident or incident on the range **not involving a firearm or ammunition**, the RCO is to ensure the instructions in the RSO are adhered to. In addition, the RCO is to:

1. Follow Risk Management Plan Critical Incident Management procedure.
2. Contact the CUCDR if not in attendance.
3. Contact the NZCF AC and/or the NZCF SAA (if required by incident severity scale) after immediate actions are completed.
4. Contact the SRO.

• In the event of an accident or incident on the **range involving a firearm or ammunition**, the RCO is to ensure the instructions in the RSO are adhered to. In addition, the RCO is to:

1. Follow Risk Management Plan Critical Incident Management procedure.
2. Contact the Commandant NZCF, NZCF AC, NZCF SAA, and CUCDR (if not in attendance) after immediate actions are completed.
3. Contact the SRO.

18 Fire precautions and procedures

• In the event of a fire emergency occurring on the range, the RCO is to ensure the instructions in the RSO are adhered to. In addition, the RCO is to:

1. Follow Risk Management Plan Critical Incident Management procedure.
2. Contact the CUCDR if not in attendance.
3. Contact the NZCF AC and/or NZCF SAA (if required by incident severity scale) after immediate actions are completed.
4. Contact the SRO.

•Range Clearance

19.1 At the completion of the range activity, the range clearance procedures in the RSOs are to be adhered to. In addition, the NZCF Unit is to complete the following:

1. Firing Point Register.
2. Range Clearance Form.

20 Cone(s) of Fire (CoF)

20.1 In accordance with RSOs, the range design CoF is +/- 10mils (0.563deg) when shooting from a SUPPORTED POSITION. TSNZ uses a shooter CoF of +/- 4.5mils (0.253deg). This equates to an extreme spread of +/- 100mm at 25yd.

20.2 For NZCF shooting activities, all shooters must be able to achieve the range design CoF of +/- 10mils (0.563deg). This equates to an extreme spread of +/- 230mm at 25yd.

21 Inability of the shooter to achieve Cone of Fire

21.1 Should a shooter be unable to achieve the CoF, they should be given one on one coaching and attempts made to determine why they cannot achieve the CoF. If they are still unable to achieve the CoF they must not be permitted to continue shooting.

22 Authorisation of the NZCF Annex to RSOs

22.1 This NZCF Annex is endorsed by the OIC Prac and recommended for approval by the SRO.

22.2 This NZCF Annex is approved by the SRO for inclusion in the Packers Creek Range Complex RSOs.