

**TARGET SHOOTING  
NEW ZEALAND  
INCORPORATED**



**BENCHREST GUIDELINES**

1 August 2020

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## SECTION 5 - GUIDELINES - BENCHREST COMPETITION

These Guidelines cover the conduct and management of Indoor and Outdoor Benchrest Competition at National and local level.

### 5.1 GENERAL

- 5.1.1 These Guidelines shall apply to all TSNZ sanctioned Benchrest events including TSNZ Postal Championships, and Open Championship or Open Sweepstake events conducted by Associations and Directly Affiliated Clubs.
- 5.1.2 Competitors shall make themselves conversant with these guidelines and with the conditions of the competitions. Failure to comply with the guidelines, or engaging in any dishonest, discreditable or dangerous conduct at any competition sanctioned by TSNZ, shall render the competitor liable to such penalty as the Range Committee may decide. Subject to the discretion of the Range Committee, such conduct may also be reported to the TSNZ Executive, which may impose such other disciplinary action as it sees fit. Any competitor collaborating in such conduct may be liable to the same penalties. (See Rule 5.1.8 for appeals to TSNZ Executive)
- 5.1.3 Any competitor entering any competition under an assumed name or supplying incorrect information on the entry form shall be guilty of dishonest conduct and shall be dealt with by the Range Committee under the provisions of Rule 5.1.2. (See Rule 5.1.8 for appeals to TSNZ Executive)
- 5.1.4 Any system, practice, device or accessory which may give a competitor an advantage over others and which is not mentioned in these Rules, or which is contrary to the spirit of good sportsmanship, is prohibited.
- 5.1.5 Any order exhibited by the Range Committee at the point where entries are taken at any event shall be binding on all competitors. (See Rule 5.9.2.4)
- 5.1.6 Competitors must comply with the orders of the Range Officer but no competitor shall be disadvantaged through following any order given by a Range Officer.
- 5.1.7 All these Guidelines, and any orders issued in accordance with Rule 5.1.5, shall be subject to, and comply with, current NZ Firearms Legislation.
- 5.1.8 Any Member of TSNZ has the right to refer any matter, or appeal any local ruling, to the Executive of TSNZ, which shall be the final arbiter on disputes and matters of interest. These referrals or appeals shall be allowed by reasons of natural justice and interpretation of the intent of the TSNZ Benchrest Guidelines, and must be received by the TSNZ Executive within 28 days of the matter occurring or receipt of the local ruling.

### 5.1.9 DEFINITIONS OF COMPETITORS

**First year competitor** - one who has not been a shooting member of any rifle club of any calibre.

**Junior** - A competitor who is under the age of twenty-one years on the 31st December in the year of competition. Proof of age may be required.

**Veteran** - A competitor who is sixty years of age or over on the first day of the particular competition. Proof of age may be required.

### 5.1.10 ELIGIBILITY TO COMPETE

- 5.1.10.1 Subject to the special conditions of any competition, the following are eligible to compete in TSNZ sanctioned events:

In **Individual competitions** - any financial member of TSNZ;

In **Team competitions** - financial members of any rifle club affiliated to TSNZ. A competitor may represent more than one club during any year, but only in different competitions in that year;

In **Association competitions** - financial members of any Association affiliated to TSNZ. A competitor may represent more than one Association during any year, but only in different competitions in that year;

**Overseas shooters** may compete in any competition provided they are affiliated members of their National Association.

- 5.1.10.1 Unless otherwise specified in the conditions a Club or Association may enter any number of teams and take any number of prizes.

### 5.2 SAFETY

- 5.2.1 The safety of competitors, range officials and spectators require continued attention to safe firearms handling. Self-discipline is necessary on the part of all concerned. Where such discipline is lacking, it is the duty of Range Officials to enforce discipline, and the duty of all members of TSNZ to assist and encourage such enforcement.
- 5.2.2 The Range Committee is responsible for overall safety. The Range Committee may establish further safety rules considered necessary for any particular venue.
- The Range Officer is responsible for safety on the firing point and must ensure that the commands are obeyed and that all firearms are handled safely.
- 5.2.3 Any competitor who acts in an unsafe manner or fails to respond to the commands of the Range Officer, shall be required to stop firing immediately and the matter shall be reported to the Range Committee for consideration.

- 5.2.4 Any person who has consumed alcohol or other substance which may render him/her unsafe to handle firearms shall not participate in any shooting competition while under the influence of the alcohol or other substance.
- 5.2.5 At the commencement of each detail shooters may not get into position until the range has been cleared of personnel, and the red light has been turned off.
- 5.2.6 The actions of all rifles containing the bolt or lever action must remain open with a safety flag inserted at all times, except when on the firing point after the range officer has given instructions to remove safety flags or turned the red light off.
- 5.2.7 Rifles must only be loaded on the firing point with the rifle installed within the rest and bag/s after the command "SHOOTERS LOAD" or "SHOOTERS START" has been given.
- 5.2.8 A rifle is considered to be loaded when a live round is on the loading ramp or in the breech, regardless of whether the action is open or closed, and at any time when the action is closed.
- 5.2.9 When the command "SHOOTERS STOP" is given, all competitors must stop shooting immediately, unload their rifles and insert their safety flag. Shooting shall only resume when the command "SHOOTERS START" is given.
- 5.2.10 Should it be necessary for personnel to go forward of the firing line during the course of a detail (for instance to replace a target) the Range Officer shall give the cease fire command, and ensure that all rifles are unloaded and safety flags inserted before allowing personnel on the range.
- 5.2.11 At the end of the detail the Range Officer shall give the command "SHOOTERS, CLEAR ACTIONS, AND INSERT SAFETY FLAGS". Competitors shall respond by closing and opening the action and shall then insert a safety flag. The Range Officer shall verify that all actions are clear and safety flags are in before the rifles are taken from the firing point.
- 5.2.12 All competitors and other people in the immediate vicinity of the firing point must wear earplugs, earmuffs or similar hearing protection during live firing.

### 5.3 RANGE STANDARDS

- 5.3.1 All ranges must be inspected and certified by a Range Safety Inspector appointed by the TSNZ Executive. Re-inspection shall be required when substantial alterations or modifications are made to the range. For temporary ranges the Range Certificate shall specify the approved period of use. It is the responsibility of the affiliated body concerned to make application to TSNZ for any inspection.
  - 5.3.2 Any target system may be used, providing it guarantees the necessary degree of safety, and efficient changing of the targets.
  - 5.3.3 Where automatic target carriers or changers are used, the competitor may control target changing or may have an assistant change the targets. Responsibility for shooting on the correct target rests solely with the competitor.
  - 5.3.4 The Bench shall be a rigidly constructed table being of a height to permit a shooter of average height to sit comfortably, with a recommended height of 0.8 metres. Benches shall be available for left and right-handed shooters, either singly or as double-sided benches.
  - 5.3.5 The firing line shall be coincident with the forward edge of the bench, however if this is not possible then the firing line shall be clearly marked on the bench.
  - 5.3.6 Shooters may provide their own seat which may be adjustable to provide optimum height for the shooter.
- WIND FLAGS** - The Organizing Committee shall advise competitors in advance what arrangements will be in place for wind flags in Outdoor competitions. Once installed all wind flags should stay on the range for the remainder of the shooting day. Where possible personal wind flags should be allowed. Any personal wind flags may be placed on the range as desired however all flags on the range must be no higher than a straight line drawn between the bench tops and the bottom of the target card and must be retained within the competitor's shooting lane. The Range Officer has discretion to remove any wind flag that is interfering with another shooter.

### 5.4 RIFLES, AMMUNITION & EQUIPMENT STANDARDS

#### 5.4.1 General

- 5.4.1.1 All specified equipment and accessories shall comply with the standards set out in these rules.
- 5.4.1.2 Any member of the Range Committee, or the Range Officer, may inspect any item of a competitor's equipment or accessories specified in these rules. Any item found to contravene these rules shall be barred from competition.

#### 5.4.2 Rifles

- 5.4.2.1 Any rifle chambered for 5.6mm (.22 cal) long rifle rimfire cartridge is permitted provided it is of a type that can be singly loaded. A detachable magazine may be used as a loading ramp in an unfilled state.
- 5.4.2.2 The following specifications apply:
  - a. The width of the stock shall not exceed 3 inches (76.2mm) at any point and shall have a flat or convex fore-end.

- b. Any part of the stock in contact with the rear bag shall not exceed 30mm in width.
- c. All rifles must have a manually or mechanically actuate firing mechanism with all components being within the rifle. A free trigger is permitted where this has been specifically provided for at the point of manufacture, or by the fitting of a custom trigger. An electric trigger is permitted provided its arming feature is manually operated. The use of pressure fluid or remote actuation is not permitted.
- d. The weight of the rifle with all attachments used by the competitor shall not exceed 8 kilograms.

5.4.2.3 **Sporting Rifle for INDOOR BENCHREST only** – any mass produced .22LR sporting rifle weighing not more than 4.1kg inclusive of sights is permitted subject to the Range Committee approving the rifle for competition. The following specifications apply:

- a. The only modifications allowed are improvements in bedding of the action and adjustments to the original factory trigger.
- b. The rifle must consist of the original action, barrel profile, barrel steel and stock, and may not contain any additions to aid accuracy.
- c. Any questions of eligibility will be resolved in favour of the spirit of these Rules.

5.4.2.4 Any other safe .22LR rifle not qualifying under the above definitions 5.4.2.1 – 5.4.2.2 may be used however the competitor must be advised in advance that they are ineligible for any awards, prizes, records or classification.

5.4.2.5 Any device, addition, contour or dimension on any rifle designed to co-act with any equipment to guide its return to the firing position without the necessity to re-aim the rifle optically for each shot shall be deemed illegal.

5.4.2.6 The use of a muzzle break or compensator is prohibited.

#### 5.4.3 **Scopes**

5.4.3.1 Unlimited.

#### 5.4.4 **Rests**

5.4.4.1 Rifles shall be fired from placement on a front rest and rear rest. The rifle must be able to be lifted freely from the rests in a vertical direction with all attachments in place.

5.4.4.2 The front rest may be a sandbag or a rigid rest which may be supported on a pedestal but in either case shall not co-act with any rear sandbag(s) to restrain recoil or form a guiding means.

5.4.4.3 The rear rest shall be a sandbag which supports the rifle between the rear of the pistol grip and the toe of the butt stock.

5.4.4.4 Any sandbags used shall be without additions and containing sand only (heavy metallic based sand is permitted). The bags must be at least 12.7mm thick over their entire surface. No metallic materials or tape may be used in the construction of the sandbags.

5.4.4.5 The rear sandbag may incorporate a vertical spacer as long as this does not contain horizontal or vertical adjustments or contain any protrusions which can be inserted into the bench top or the sandbag.

#### 5.4.5 **Ammunition**

5.4.5.1 Rimfire 5.5mm (.22LR cal) only is permitted.

5.4.5.2 Only solid projectiles made of lead or soft lead alloy material are permitted. Hollow nose, ballistic tip or similar projectiles are prohibited.

### 5.5 **TARGET STANDARDS**

5.5.1 Paper targets approved by TSNZ for Benchrest competition shall comply with Specifications in Section 5, APPENDIX A and B.

5.5.2 The type and number of targets to be used shall be determined by the Organizing Committee and shall be advised in entry information and to all shooters prior to the start of the match.

5.5.3 One shot per scoring diagram shall be placed on the target apart from on the "sighter" diagrams which shall be unlimited.

#### 5.5.4 **The TSNZ approved target shall be:**

5.5.4.1 For OUTDOOR Benchrest (APPENDIX A) – either of:

- a. Official WBSF International Rimfire Target - 25 counting shot diagrams per target
- b. TSNZ 50m Rimfire Benchrest Target - 20 counting shot diagrams per target.

5.5.4.2 For INDOOR Benchrest (APPENDIX B) – either of:

- a. TSNZ 25yd Indoor Benchrest Target
- b. TSNZ 20yd Indoor Benchrest Target

## **5.6 PHYSICAL DISABILITY PROVISIONS**

- 5.6.1 The Range Officer may authorize another person to act for any competitor who due to physical disability is unable to load or adjust the sights.
- 5.6.2 Any competitor who by reason of physical handicap cannot adjust a rifle in the manner required by these Rules may be granted a dispensation by TSNZ.
- 5.6.3 Dispensations granted under this Section shall continue for not more than five years. Applications for renewal of a dispensation shall be made not less than three months prior to the expiry date of the dispensation in accordance with Rule 5.5.4.5.
- 5.6.4 Where a surgical procedure or other treatment is undertaken prior to the date of renewal to correct or modify a physical disability for which a dispensation has been granted, the dispensation shall be void and a further application must be made if required.
- 5.6.5 Applications for dispensations shall be made to the Executive of TSNZ through the local Association and be accompanied by evidence sufficient to prove the dispensation is necessary to allow the applicant to participate in the sport to the best of his/her ability. Medical certificates shall be considered the minimum evidence to be submitted.

## **5.7 BENCHREST EVENT PROCEDURES**

### **5.7.1 SQUADDING**

- 5.7.1.1 Any squadding method used must ensure a fair and even distribution of benches and match times.
- 5.7.1.2 For Outdoor Competitions:
  - a. A bench rotation system for squadding is mandatory in a Benchrest-only event and preferable in a Benchrest-Prone combined event. Should a rotation system be used it is preferable that two-bench rotation be used so as to limit the number of personal wind flags required. The Organizing Committee is required to advise competitors in advance of the event if a bench rotation squadding method will be used.
  - b. Where the Event is conducted in a single day at least one of the targets must be shot in an afternoon squad.
  - c. Where the Event is conducted over several days a maximum of two 25-shot targets or two 20-shot targets may be completed on any one day, with one being shot in a morning squad and one in an afternoon squad on any one day.
- 5.7.1.3 Where pre-squadding applies allocation of position on the firing line will be drawn by ballot immediately following the Closing Date for entries on the following basis:
  - a. For Individual competition the ballot will be for an even spread of shooters amongst Benches and Details. Allowance may be made for pairing or equipment sharing provided such is advised at time of entry and the range and competition times make this possible.
  - b. For Team competitions the teams must be spread evenly across benches and details. It is the Team Leader's responsibility to advise the Organizing Committee of their team's individual shooting order at the time of entry, and if no such advice is forthcoming the Organizing Committee will undertake allocation at their discretion. Any shooter(s) not involved with a team will be allocated places at the discretion of the Organizing Committee.

### **5.7.2 MALFUNCTIONS**

- 5.7.2.1 In the event of rifle failure resulting in the rifle becoming inoperable during competition, the rifle may be replaced to enable completion of the target, however no additional time will be granted. Such action must be undertaken with the guidance of the Range Officer.
- 5.7.2.2 If a rifle is in an unsafe condition it must remain on the bench until removal is authorized by the Range Officer.
 

Should a target be dislodged during firing the Range Officer will note the time and that competitor will cease shooting with the rest of shooters continuing uninterrupted. At the completion of the match and once the target is fixed that competitor will be allowed an additional five (2) minutes added to their remaining competition time in which to complete the match prior to any shooter proceeding with further details.

### **5.7.3 PRACTICE SHOOTING**

- 5.7.3.1 Practice shooting shall be allowed where circumstances permit but for OUTDOOR competitions shall not be allowed before the start of competition on a competition day. This does not exclude the opportunity to sight the rifle ready for competition.

#### 5.7.4 **COACHING**

5.7.4.1 Coaching, where a competitor receives advice or instructions, may be carried out subject to the following conditions:

- may be conducted from the rear of the firing point only.

5.7.4.2 Competitors may leave the firing point at any time but shall not disturb any other competitor and shall not remove any equipment or firearm until the command "SHOOTERS CLEAR ACTIONS AND INSERT SAFETY FLAGS", has been given and observed.

5.7.4.3 A competitor wishing to speak to another person must leave the firing point. This must be done with the approval of the Range Officer, without disturbing any other competitor and after unloading and leaving the firearm on the bench in a safe condition.

Team officials must not contact competitors directly or talk with them while they are on the firing point. A team official wishing to speak to a team member on the firing point must first obtain permission of the Range Officer who will arrange for the member to leave the firing point.

#### 5.7.5 **APPROVED OUTDOOR BENCHREST COMPETITIONS** shall be:

5.7.5.1 Individual Matches (including Postal) – either three 25-shot targets or two 2 x 20-shot targets, which may be shot on separate days.

5.7.5.2 Individual Aggregate Matches – Individual Match as above PLUS pre-specified 50m Prone Scores held at the same Event.

5.7.5.3 Teams Matches – Inter-Provincial, Regional or International – as agreed by the relevant Organizing Committee and approved in advance by TSNZ.

#### 5.7.5.4 **SHOOTING TIMES**

The time allowed in approved OUTDOOR BENCHREST competition is:

- a. 30 minutes including unlimited sighting shots for 25-shot International targets
- b. 45 minutes including unlimited sighting shots for 2 x 20-shot TSNZ targets when used in a target machine.

#### 5.7.6 **APPROVED INDOOR BENCHREST COMPETITIONS** shall be:

5.7.6.1 Individual Matches (including Postal) – either 10-shot or 20-shot matches - as advised to all competitors at time of entry

5.7.6.2 Teams Matches – Inter-Provincial, Regional or International – as agreed by the relevant Organizing Committee and approved in advance by TSNZ.

#### 5.7.6.3 **SHOOTING TIMES**

The time allowed in approved INDOOR BENCHREST competition is:

- a. 12 minutes including unlimited sighting shots for 10-shot match.
- b. 22 minutes including unlimited sighting shots for 20-shot match.

### 5.8 **TARGET SCORING**

5.8.1 Scoring shall be carried out by two persons appointed by the local Association for Postal Competitions, or the Organizing Committee for other competitions, one of whom shall mark and the other who shall check-mark.

5.8.2 Check-marking shall include confirming the value of any shot that is tested before the gauge is removed and confirming the total score of the target.

5.8.3 Shots that are in dispute must be determined as to value (tested) by means of a TSNZ-approved plug gauge (for OUTDOOR) and wide flange gauge (for INDOOR). The dimensions of the gauges for scoring doubtful shots shall be as specified in Section 5 APPENDIX C.

5.8.4 A gauge may be inserted only once in any bullet hole. When a gauge is inserted in a shot hole to determine the value of a shot the gauge shall not be removed from the target until the shot value is checked by a check-scorer and the value finally determined.

5.8.5 Where a gauge has been inserted in a bullet hole the result of the testing is to be indicated with an 'I' if the shot is 'in' or 'O' if the shot is 'out'. The scorer will indicate the value of the shot beside the diagram in Arabic numerals, including inner count as .0 or .1 where this is being tested for.

5.8.6 When a gauge has been inserted and the check-scorer does not agree on the value of the shot given by the scorer, a decision from a second check-scorer shall be obtained. The second check-scorer shall note it as to whether the shot was determined to be 'in' with an 'I' or 'out' with an 'O', note the score attributed to the shot and initial the target. Such decision shall be final.

5.8.7 Hits outside the scoring rings of the shooter's own target are scored as misses.

#### 5.8.8 **OUTDOOR SCORING**

5.8.8.1 For OUTDOOR targets specified in Rule 5.5 the value of the shot shall be decided by the edge of the shot hole **closest to the centre of the target (inward gauging)**.

5.8.8.2 All shots are scored according to the highest value of the inner-most target-scoring ring that is touched by that bullet hole with no gap. A shot which touches the inner ring will be awarded a 10.1 (inner) score.

5.8.8.3 For tested shots, when the edge of the plug gauge touches any part of the outside of a scoring ring the shot must be scored at the higher value.

#### 5.8.9 **INDOOR SCORING**

5.8.9.1 For INDOOR targets specified in Rule 5.5 the value of the shot shall be decided by the edge of the shot hole **furthest from the centre of the target (outward gauging)**.

5.8.9.2 All shots are scored according to the value of the outward-most target-scoring ring that is covered by that bullet hole with no gap. A shot which touches the inner dot will be awarded a 10.1 (inner) score.

5.8.9.3 For tested shots, when the edge of the gauge touches any part of the black outside of a scoring ring the shot must be scored at the lower value.

#### 5.8.10 **TIE BREAKING**

5.8.10.1 The inner (.1) count will be the primary method of breaking a tie. If more than one shooter has the same score including inners, a tie will be recorded.

5.8.10.2 For events requiring a single winner the tie will be broken by:

a. highest scoring single target – 1<sup>st</sup>, 2<sup>nd</sup> then 3<sup>rd</sup> highest scoring single target as required. If after 3 targets the tie is still unbroken then

b. countback starting at the last target (i.e., #10 for a 10-shot match, #20 for a 20-shot match, # 25 for a 25-shot match, # 40 for a 2 x 20-shot match).

#### 5.8.11 **SCORING PENALTIES**

The following scoring penalties and irregularities shall apply at all competitions:

##### 5.8.11.1 **EARLY OR LATE FIRING**

Any competitor who fires before the "Start" command or after the "Stop" command shall be disqualified from the match and record no score.

##### 5.8.11.2 **FIRST SHOT ERROR**

If the first shot on paper unintentionally hits a scoring face the Range Officer must be informed before the second shot is fired. The Range Officer must visually check the target, identify the shot and indicate it on the target when this is recovered after the match. No penalty will be incurred.

If the Range Officer is not notified before the second shot is fired then the first shot will be marked as a counting shot.

##### 5.8.11.3 **TOO MANY SHOTS ON TARGET**

If a target has more than the number of shots required for the competition then, for each excess shot, one of the highest scoring shots shall be discounted and a penalty of two (2) points for each excess shot shall be imposed. If it can be verified that the excess shot(s) were fired by another competitor, the provisions of Rule 5.7.8.4 shall apply.

##### 5.8.11.4 **OVERLOADS ON OWN TARGET**

Where a competitor places more than one shot on any counting diagram but fires not more than the total number of counting shots specified for the competition, full credit shall be given for each shot that can be distinctly seen. A penalty of one (1) point for each excess shot on any particular target shall be imposed.

##### 5.8.11.5 **CROSSFIRES**

Any competitor who fires on a target other than their allocated target shall be penalized two (2) points for each shot cross-fired.

Where the actual firer of the scoring shot(s) cannot be determined on a target which has been cross-fired on, then the



competitor receiving the shot shall be credited with the higher value shot. If the actual firer of the shot(s) on the cross-fired target can be determined, then each competitor shall be credited with the value of the shot(s) fired.

#### **5.8.12 PROTEST PROCEDURES**

- 5.8.12.1 A competitor shall have the right to have any target re-checked in order to have obvious errors corrected or doubtful shots tested. Shots that have already been tested shall not be retested.
- 5.8.12.2 Competitors are responsible for ensuring their scores are correctly noted by the statistical office and may challenge an incorrectly recorded score.
- 5.8.12.3 No protests for incorrectly marked, recorded or missing scores shall be entertained more than 10 minutes after the posting of final match scores.

### **5.9 COMPETITION OFFICIALS**

#### **5.9.1 ORGANISING COMMITTEE**

- 5.9.1.1 The Organizing Committee shall be responsible for planning, organization, publicity and entries prior to the event, including ensuring full and correct information is provided to all entrants,

#### **5.9.2 RANGE COMMITTEE**

- 5.9.2.1 Rifle events shall be under the general control of a Range Committee that shall consist of at least three people. The Range Committee shall arbitrate on any matter arising during the meeting. The Committee's decisions shall be final but subject to the appeal provisions of Rule 5.1.8.
- 5.9.2.2 At the National Outdoor Championships, the Range Committee's decisions may be appealed to an Appeal Committee, composed of three members, whose decisions shall be binding but subject to the appeal provisions of Rule 5.1.8. No member of the Range Committee who was involved in the original decision may be a member of the Appeal Committee.
- 5.9.2.3 The Range Committee shall verify the competence of the officials under its control to apply these Rules.
- 5.9.2.4 In all matters the Range Committee shall have regard to the ethics of good sportsmanship and the intent of these Rules, which is to provide fair and equitable conditions to all competitors, as far as is practicable.
- 5.9.2.5 Competitors shall not be present at any Range Committee meeting when matters concerning them are being discussed. A competitor shall have the right, if so desired, to state a case to the Committee at some period during the proceedings before a decision is made. Where teams are concerned the team captains or managers are entitled to state a case prior to the conclusion of the Range Committee's deliberations.

#### **5.9.3 CHIEF RANGE OFFICER**

- 5.9.3.1 A Chief Range Officer must be appointed for each range whether other Range Officers are appointed or not. A Chief Range Officer shall hold a current Firearms License and be:
  - 5.9.3.2 Responsible to the Range Committee for the conduct of the competition and must co-operate with members of the Range Committee at all times;
  - 5.9.3.3 Responsible for ensuring that unlicensed competitors on the firing point are adequately supervised by the holder of an appropriate Firearms License, as required by the Arms Act 1983, and subsequent amendments;
  - 5.9.3.4 In charge of all range personnel and is responsible for their correct conduct;
  - 5.9.3.5 Responsible for arranging the measures to be taken for the rapid correction of any technical fault that may occur (e.g., power failure, mechanical breakdown, etc.), and must have technical experts and necessary back up services available;
  - 5.9.3.6 Required to take charge when irregularities occur.

#### **5.9.4 RANGE OFFICERS**

- 5.9.4.1 Where Range Officers are appointed, they shall be responsible to the Chief Range Officer for the following duties. Where no Range Officers are appointed the Chief Range Officer shall be responsible for:
  - 5.9.4.2 Ensuring the safe conduct of the shoot and for interrupting shooting in the interests of safety at any time;
  - 5.9.4.3 Ordering from the firing point any competitor whose equipment or behavior constitutes a risk to safety;
  - 5.9.4.4 Checking the names and identification numbers of competitors to ensure they correspond with the start list;
  - 5.9.4.5 Ensuring any commands are obeyed;
  - 5.9.4.6 The accurate recording of shots by Register Keepers, where these are employed;
  - 5.9.4.7 Supervising the correct operation of the targets;
  - 5.9.4.8 Receiving protests and passing them on to a Range Committee member;
  - 5.9.4.9 Recording all disturbances, penalties, cross fires, extra time allowances, repeated shots, and other irregularities, on the report sheet.

5.9.5 **LIAISON OFFICER – required for National Events**

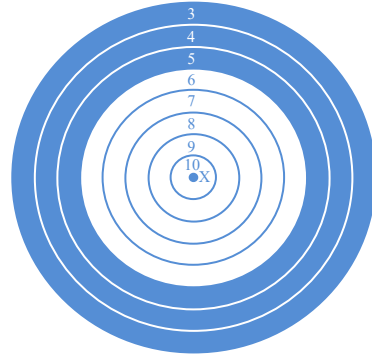
- 5.9.5.1 The Liaison Officer shall be appointed by the TSNZ Executive, shall be conversant with the Rules and regulations of TSNZ and shall be available to the Organizing Committee for consultation before the event and to the Range Committee during the event.
- 5.9.5.2 The Liaison Officer shall be empowered to inspect the following: the range before and during the competition, the setting up and retrieval of targets, the marking and recording of scores, and the area available to competitors for their equipment.
- 5.9.5.3 The Liaison Officer shall be empowered to mediate on any dispute arising during the running of the event and must be involved in all disputes on any of the areas listed in Rule 5.9.4.2.
- 5.9.5.4 In the settling of any dispute the Liaison Officer shall:
- a. have regard to the Rules of Competition, their intent, and the recognized code of good sportsmanship;
  - b. ensure only those persons directly concerned with any dispute are involved in deliberations;
  - c. have the ability to call upon any of the following to assist in the resolution: Team Managers, Range Officers, Range Committee, Markers, the principal Event Organizer, Members of the TSNZ Executive, and/or any other person whose specialized expertise the Liaison Officer considers necessary.

## SECTION 5 APPENDIX A – OUTDOOR BENCHREST TARGETS

### a) Official WBSF International Rimfire Target – 25 counting shot diagrams per target

#### i. Specifications:

- |                   |                 |
|-------------------|-----------------|
| Centre Dot        | - 1mm diameter  |
| 10 Ring           | - 6mm diameter  |
| 9 Ring            | - 12mm diameter |
| 8 Ring            | - 18mm diameter |
| 7 Ring            | - 24mm diameter |
| 6 Ring            | - 30mm diameter |
| 5 Ring            | - 36mm diameter |
| 4 Ring            | - 42mm diameter |
| 3 Ring/Outer Edge | - 48mm diameter |



Colour: may be printed in Blue or Black

#### ii. Layout

**OFFICIAL WBSF INTERNATIONAL RIMFIRE TARGET**

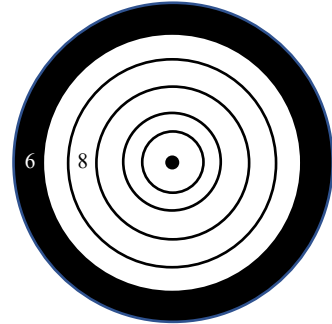
The layout shows 25 numbered target diagrams arranged in a 5x5 grid. Each diagram is a smaller version of the target shown in the specifications. The diagrams are numbered 1 through 25, starting from the top-left and moving right across each row, then down to the next row. There are also two larger target diagrams, one on the far left and one on the far right, which are identical to the one shown in the specifications.

COMPETITOR: \_\_\_\_\_ BENCH: \_\_\_\_\_ DETAIL: \_\_\_\_\_ RELAY: \_\_\_\_\_ SCORE: \_\_\_\_\_

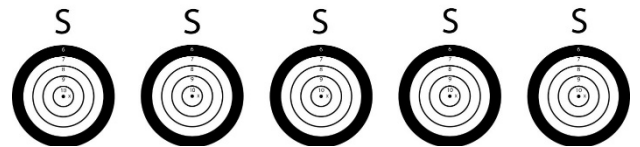
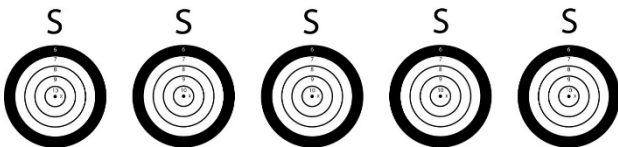
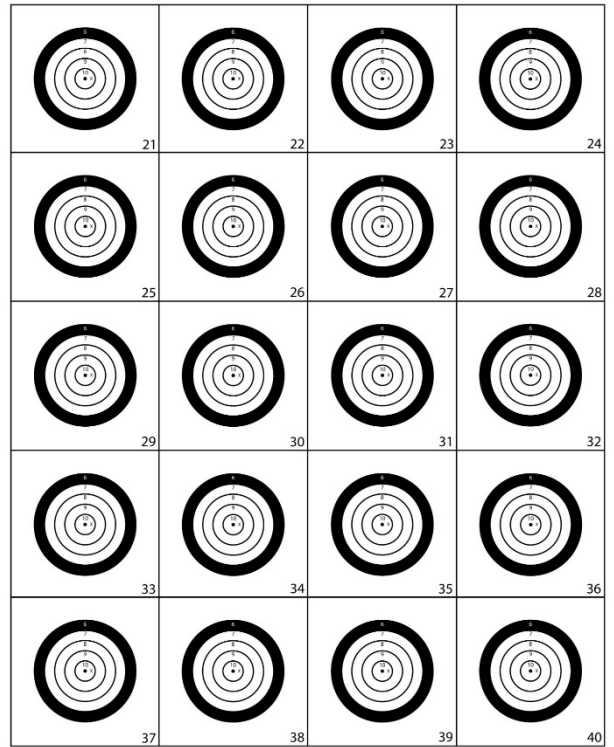
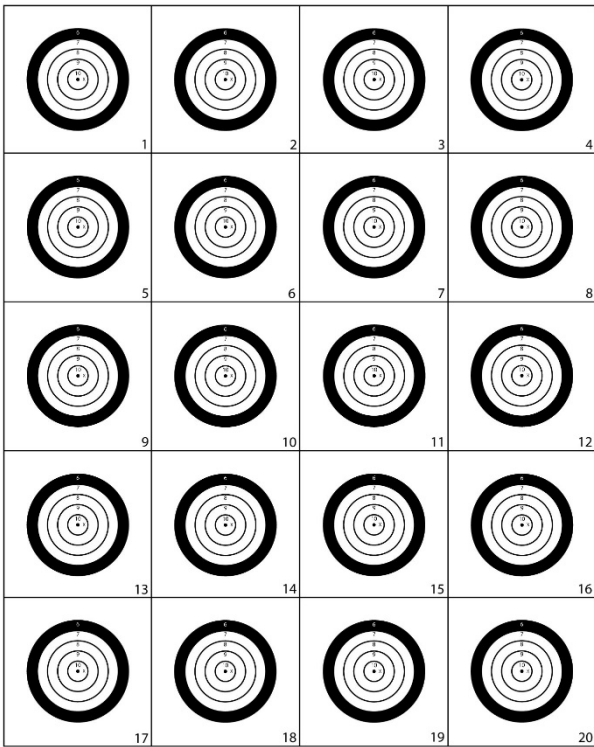
**b) TSNZ 50m Rimfire Benchrest Target - 20 counting shot diagrams per target (for 2x20-shot matches)**

**i. Specifications:**

- Centre Dot – 1mm diameter
- 10 Ring – 6mm diameter
- 9 Ring – 12mm diameter
- 8 Ring – 18mm diameter
- 7 Ring – 24mm diameter
- 6 Ring / Outer Edge – 30mm diameter

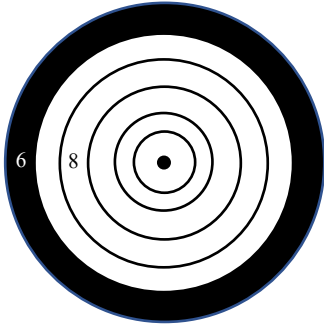


**ii. Layout**



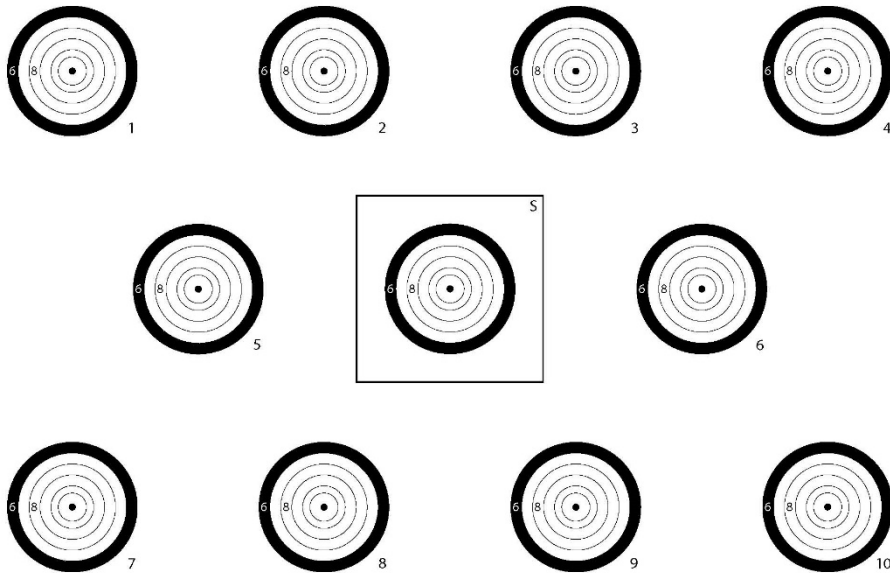
## SECTION 5 APPENDIX B – INDOOR BENCHREST TARGETS

### a. Specifications of 25-yard and 20-yard INDOOR BENCHREST TARGET DIAGRAMS



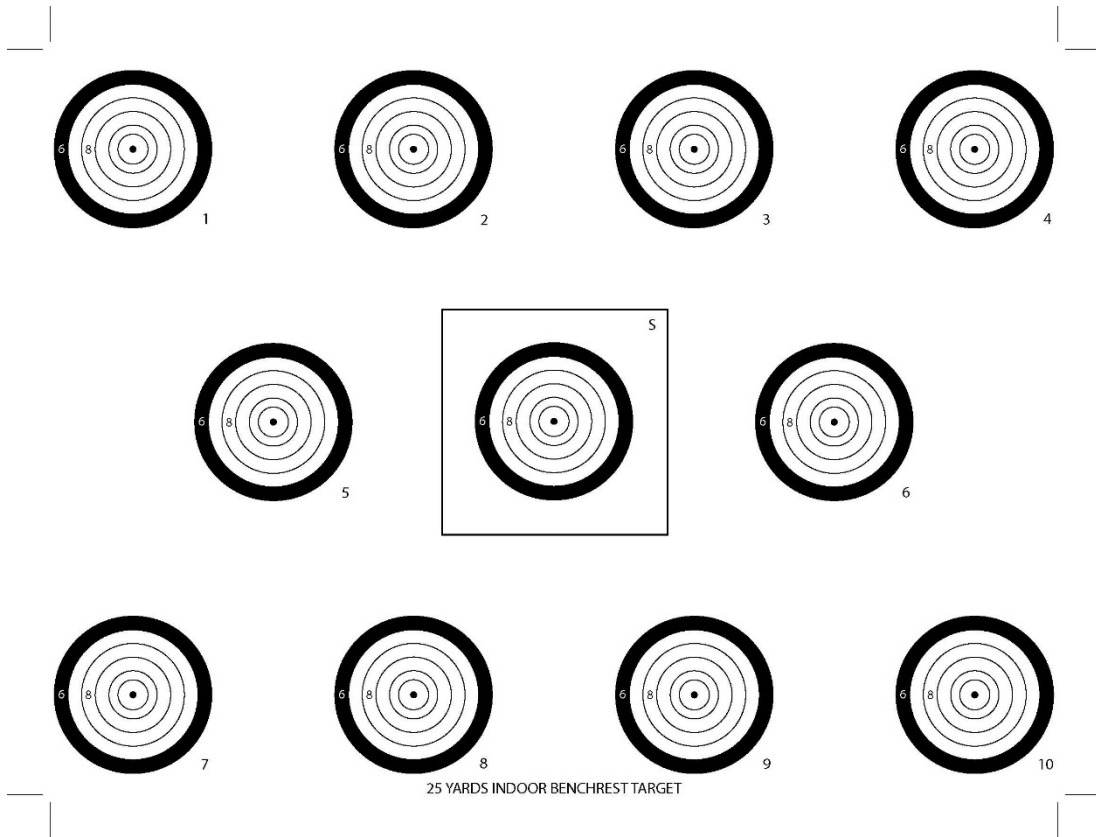
	25 yards Diameter (mm)	20 yards Diameter (mm)	Tolerance
Centre Dot	2.40	1.50	±0.05mm
Inner Gauging Ring	8.06	7.57	±0.05mm
10 Ring	12.92	11.45	±0.05mm
9 Ring	20.23	17.30	±0.10mm
8 Ring	27.55	23.16	±0.10mm
7 Ring	34.89	29.01	±0.10mm
6 Ring	42.18	34.86	±0.20mm
Line thickness	0.20mm	0.16mm	

### b. Layout of 20-yard INDOOR BENCHREST TARGET



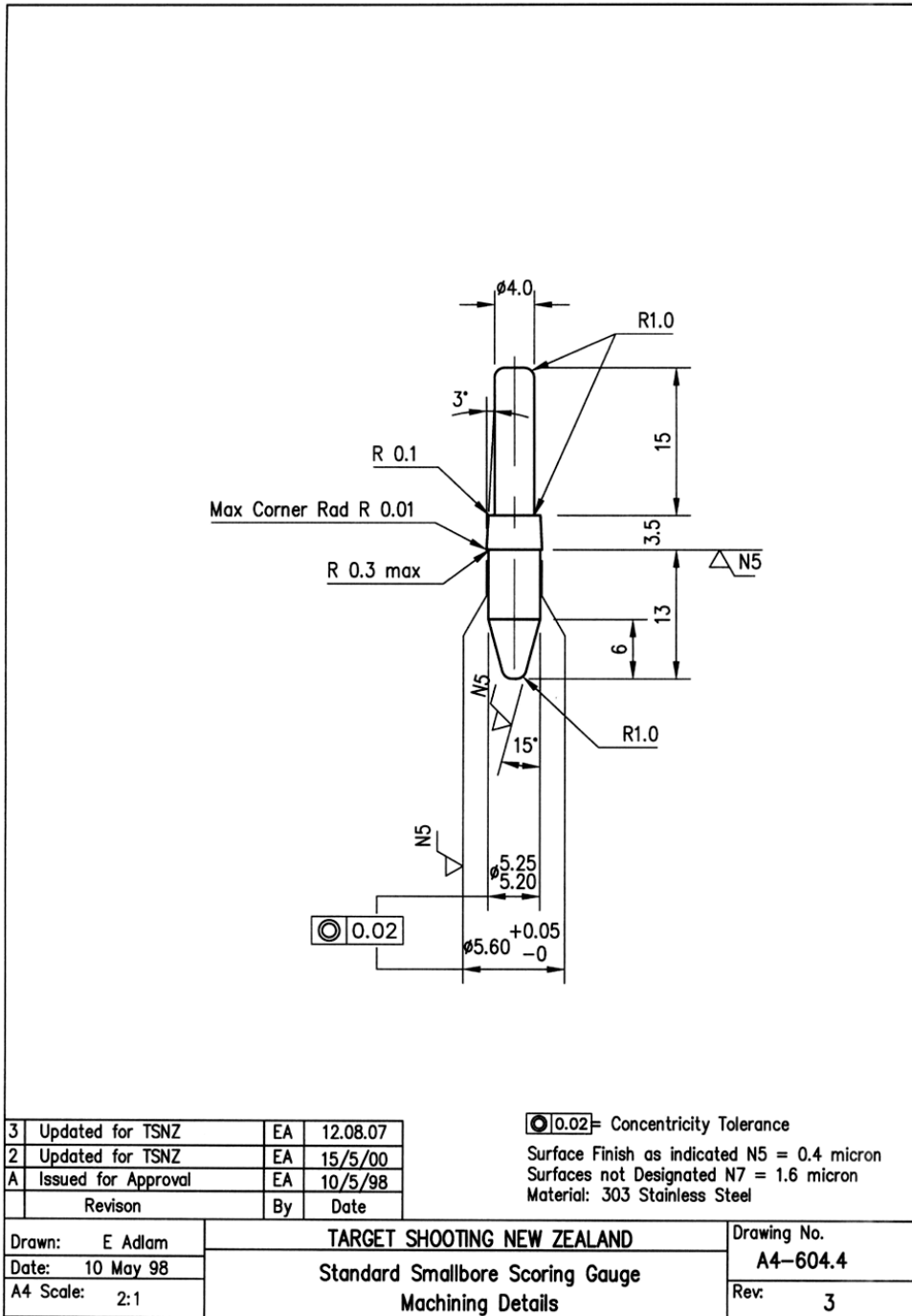
20 YARDS INDOOR BENCHREST TARGET

c. Layout of 25-yard INDOOR BENCHREST TARGET

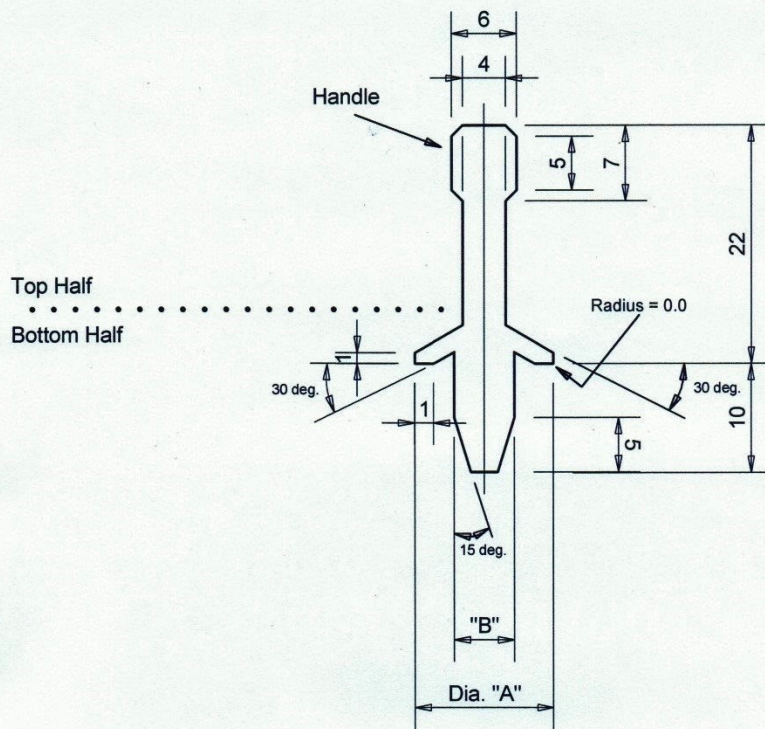


## SECTION 5 APPENDIX C – TSNZ APPROVED GAUGES

### a. TSNZ-approved Plug Gauge – for use on OUTDOOR targets



### b. TSNZ-approved Wide Flange Gauge – for use on INDOOR targets



Gauge	Dia. "A"	Dia. "B"	Grooves in Handle
20 yards	11.45 mm +0.0 -0.05	5.10 mm +.05 -0.0	2
25 yards	12.91 mm +0.0 -0.05	5.10 mm +.05 -0.0	3

**Notes**

1. The drawing is NOT TO SCALE.
2. The drawing is a sectional view of the scoring gauge.
3. The material of the gauge is to be brass or bronze alloy suitable for machining.
4. The surface finish of the bottom half of the gauge is to generally be N5 = 0.4 micron.
5. The surface finish of the top half of the gauge is to generally be N7 = 1.6 micron.
6. The concentricity tolerance of the diameters "A" and "B" is to be a maximum of 0.02 mm.
7. The different size gauges are to be distinguished by the number of small equispaced horizontal grooves cut in the handle of the gauge.
8. Dimensions unless stated otherwise are millimeters.

Drawn: N.Mann	Target Shooting New Zealand	Drawing No. 701
Date: 14 July 2010	Indoor Scoring Gauge Machining Details	Revision 2 - 9 Sep 2011