

ARCHERY NEW ZEALAND SHOOTING RULES TO BE PRESENTED TO THE AGM 8 JANUARY 2013.

Once approved (as amended) the editing will be done and the final version posted on the web site and issued to all clubs.

Red text indicates changes and/or explanation of what has been or should be done.

PART 1

INTRODUCTION

These shooting rules are approved by Archery New Zealand Inc. to give guidance to archers so they may practice their sport and engage in safe, fair competition with a spirit of friendly rivalry, all in keeping with the Vision, Mission and Values of Archery New Zealand.

BOW SAFETY

1. Introduction

(a) These bow safety rules apply to all archery disciplines. Other safety rules are given in the separate Parts of these Rules.

(b) Each member of Archery New Zealand has a duty of care to ensure that his/her actions do not compromise the safety of self or others.

2. General

(a) No archer may draw the bow, with or without an arrow, except when standing at the shooting line or peg. If an arrow is used, the archer will aim toward the targets but only after being satisfied that the field is clear both in front of and behind the targets.

(b) When drawing back the string of the bow an archer shall not use any technique which, in the opinion of the Judges, could, if accidentally loosed, allow the arrow to fly beyond a safety zone or safety arrangements (overshoot area, net, wall, etc). If an archer persists in using such a technique, the archer will, in the interest of safety, be immediately asked by the Judge to stop shooting and to leave the area.

(c) The Judge, in consultation with the appointed tournament organiser is empowered to require any individual who is considered to be jeopardising the safety of the tournament to immediately leave the shooting ground.

3. Numbers Present

When cadet archers (i.e. archers under 17) are shooting individually or in groups they should be supervised by an adult member of Archery New Zealand.

4. Crossbow Safety

(a) A crossbow may NOT be drawn or cocked except on the shooting line and in the direction of the targets, after the arbalist has ensured that the field is clear both in front of and behind the targets.

(b) If shooting is interrupted for any reason, crossbows shall be lowered immediately so that they are directed at the ground immediately in front of the shooting line and the bolt removed.

This section has been added to emphasise the need for safety at all times.

Part 2 Shooting Rules

1 OUTDOOR TARGET ARCHERY

1.1 Archers' Equipment

The following types of equipment are recognised for use in New Zealand:

Recurve	FITA rules apply
Compound	FITA rules apply
Barebow	FITA rules apply to field only
Crossbow	WCSA rules apply
Longbow	WA rules apply

In both cases the Board agreed to the change to simplify the current several versions of equipment description and the confusion that creates.

2

SHOOTING RULES

2.1 Application

FITA, WCSA and Archery New Zealand rules apply as appropriate.

2.2 (a) Archers with disabilities will generally abide by the rules of WA, and or Archery New Zealand.

(b) In cases where an archer's disability requires equipment not permitted by those rules, Archery New Zealand may permit the archer to compete in the appropriate category if the equipment has the prior approval of the New Zealand Judges' Commission.

(c) Every case will be considered on its merits.

(d) Once a piece of equipment has been approved it may be used only by the named individual who sought the exemption and for as long as is necessary.

(e) Any further modification to the equipment must have the prior approval of the Judges' Commission before it may be used in competition.

The Board wishes to encourage the involvement of people with disabilities.

3 OFFICIALLY RECOGNISED ARCHERY NEW ZEALAND TARGET ROUNDS

3.1 Standard 122cm Face Five Zone Scoring

The following target rounds are shot on a standard

122cm, five zone (9,7,5,3,1) target face, with six sighting arrows at each range, and scoring after each six arrow end. The specifications of all standard target faces are as per the appropriate FITA or WCSA rules

York	72 arrows at 91 m, 48 at 73m, 24 at 55m
Hereford	72 arrows at 73m, 48 at 55m, 24 at 46m
St George	36 arrows at 91 m, 73m, 55m
Albion	36 arrows at 73m, 55m, 46m
National	48 arrows at 73m, 24 at 55m
Long Western	48 arrows at 73m, 55m
Windsor	36 arrows at 55m, 46m, 37m
Short National	48 arrows at 55m, 24 at 46m

Ohio	96 arrows at 55m
Western	48 arrows at 55m, 46m
Southern Cross	90 arrows at 55m
Short Ohio	96 arrows at 46m
American	30 arrows at 55m, 46m, 37m
Pacific	60 arrows at 46m
Junior American	30 arrows at 46m, 37m, 28m
Columbia	24 arrows at 46m, 37m, 28m
Murumbeena	90 arrows at 37m
St Nicholas	48 arrows at 37m, 36 at 28m
Olympic	90 arrows at 28m

3.2 Standard 122cm Face Ten Zone Scoring

The following target rounds are shot on a standard 122cm, 10 zone target face (10,9,8,7,6,5,4,3,2,1), with six sighting arrows at each range, and scoring after each six arrow end.

Burton	30 arrows at 55m, 46m and 37m
Short Burton	30 arrows at 46m, 37m and 28m

3.3 Silver Fern

90 arrows at 35m, on 60 cm 10 zone target face.

Scoring after each 3 arrow end, 1 sighting end of 3 arrows.

3.4 Fremantle (note this is the WA cadet round so it will be deleted here as it is part of the WA rounds list)

3.5 FITA Rounds

a) The FITA Round consists of 36 arrows from each of the following distances shot in this order or in reverse order:

60, 50, 40, 30m for Cadet Women and Master Women;

70, 60, 50, 30m for Cadet Men, Junior Women, Women and Master Men;

90, 70, 50, 30m for Junior Men and Men

b) The Double FITA Round consists of two FITA Rounds shot consecutively

c) The 50m Round for Compound consists of 72 arrows on the 80cm target face (6 ring).

d) The 60m Round (for Recurve) for Cadets and Masters consists of 72 arrows shot at 60m on the 122cm target face.

e) The 70m Round (for Recurve) consists of 72 arrows shot at 70m on the 122cm target face.

f) The Half FITA Round consists of 18 arrows shot from each of the distances of the FITA Round.

g) The 900 Round consists of 30 arrows shot from each of the 60, 50, 40m distances on the 122cm target face.

h) The Standard Round consists of 36 arrows at 50m and 36 arrows at 30m, shot in ends of three arrows on the 122cm target face (see 34.8. STANDARD ROUND).

i) The Duel Match Round consists of matches shot at 70m on the 122cm target face (see 34.2. THE DUEL MATCH ROUND).

j) The Club Round (see 34.1. CLUB ROUNDS).

k) The Visually Impaired Round is defined in 21. Para-Archery in «Book 3».

(The WA Rounds in detail as shown in Book 2 4.5 Rounds. See there also for the details of match play.)

3.6 Standard 122cm Face Ten Zone Scoring at 3 and 6 arrow ends

The following target rounds are shot on a standard 122 cm 10 zone target face, with 6 sighting arrows at the longest distance only. Scoring will take place after every six or three arrow ends.

Canadian 1200	30 arrows at 70,60,50,40m
Short Canadian 1200	30 arrows at 60,50,40 30m
Canadian 900	30 arrows at 55,45,35m.
Short Canadian 900	30 arrows at 45,35,25m.
Long Metric	36 arrows at 90m and 70m (men) or 70m and 60m (women)
Junior Canadian 1200 (U'14 years)	30 arrows at 50m, 40m, 30m, 20m

Note that for the ANZ Postal League (Canadian 900) the compound archers shoot on an 80cm face

3.7 JAMA Rounds

(contestable only by JAMA archers)

The following target rounds are shot on a standard 122

cm face at the two longer ranges and on a standard 80 cm face at the two shorter distances. There will be 10 zone scoring and six sighting arrows at the longest distance only. Scoring will take place after every six (or every three arrow ends).

This includes the WA rule change to permit 6 arrow ends at 30m and 50m.

Intermediate FITA	36 arrows at 55,45,35,25m.
Horsham	36 arrows at 40,35,30,25m.

3.8 Crossbow

The IR 900 round is the standard round for arbalists.

Current **WCSA** rules apply. If recurve class archers wish to participate in this round they will use a standard **80cm** FITA face and compound archers the **60** cm face.

Up dating to current names and practice.

4 MERIT PINS

4.1 General

Merit pins shall be awarded for achievements in the following:

- Target
- Indoor
- Clout

4.2 Scores

To obtain each merit pin, the scores required may be found in the charts set out in the relevant sections below.

4.3 Claims

Signed score sheets should be sent to the registrar with a claim form and the appropriate fee.

4.4 Criteria

To enable merit pins to be claimed the shoot must meet the criteria for either a major or minor tournament. These criteria are to be found in the Administrative Rules.

5 MERIT PIN SCORES - TARGET

5.1 Three Arrow Pin

The three arrow pin is awarded for any three scores achieved at that level. The scores may be from any of the rounds listed. A separate pin is awarded for each of recurve, compound and crossbow.

Three Arrow Pin Scores

Three scores required per pin

Round	gold	red	blue	black	white	green
FITA (Men's)	1150	1100	1050	1000	900	800
FITA (Women's)	1200	1150	1100	1050	1000	900
Long Metric (Men's)	535	501	472	442	386	326
Long Metric (Women's)	591	566	544	520	474	421
Short FITA	618	596	577	557	517	471
Fremantle	1262	1223	1189	1152	1081	995
Albion	866	831	803	771	711	645
Burton	813	791	774	754	716	672
Short Burton	843	827	813	798	769	735
Canadian 900	813	791	774	754	716	672
Short Canadian 900	843	827	813	798	769	735
Canadian 1200	1036	1002	972	939	876	803
Short Canadian 1200	1085	1058	1034	1008	958	900
Hereford	1125	1075	1032	987	900	804
York	1001	935	878	818	720	605
National	548	521	497	473	426	374
St George	785	740	701	660	590	509
Silver Fern	718	683	653	620	558	485
Long Western	744	710	680	650	590	524
American	766	745	729	709	670	628
Short National	597	577	561	543	507	468
Ohio	784	756	732	708	656	600
Southern Cross	735	709	686	664	615	563
Western	802	776	756	732	686	636
Windsor	920	894	875	851	804	753
Junior American	790	776	766	751	723	689
Columbia	632	621	613	601	578	551
Short Ohio	820	796	780	756	716	672
Pacific	513	498	488	473	448	420
Murumbeena	795	780	769	754	724	690
St Nicholas	747	737	730	719	695	667
Olympic	806	803	799	791	773	746

5.2 Elite Arrow Pin

The elite arrow pin is awarded for any one score achieved at that level. The score may be from any of the rounds listed. A separate pin is awarded for each of recurve, compound and crossbow.

Elite Arrow Pin Scores

One score required per pin

Round	gold	red	blue	black	white
FITA (Men's)	1400	1350	1300	1250	1200
FITA (Women's)	1417	1400	1350	1300	1250
Long Metric (Men's)	690	656	627	597	565
Long Metric (Women's)	706	682	660	638	614

Short FITA	711	694	677	657	637
Fremantle	1431	1401	1368	1333	1296
Albion	972	962	945	921	893
Burton	898	883	868	849	831
Short Burton	900	893	884	871	858
Canadian 900	898	883	868	849	831
Short Canadian 900	900	893	884	871	858
Canadian 1200	1188	1159	1130	1100	1067
Short Canadian 1200	1195	1178	1158	1134	1108
Hereford	1296	1276	1247	1208	1165
York	1284	1235	1181	1122	1059
National	648	635	617	594	570
St George	966	938	905	866	824
Silver Fern	878	843	813	783	750
Long Western	864	850	830	802	772
American	810	809	805	795	781
Short National		646	641	629	613
Ohio		860	852	832	808
Southern Cross		806	799	780	758
Western		862	856	842	822
Windsor		971	966	954	938
Junior American			809	805	799
Columbia			647	644	639
Short Ohio			860	852	836
Pacific			538	533	523
Murumbeena				806	803
St Nicholas				754	752

The Athletes' Commission is asked to consider the reintroduction of "Merit Stars" which could be won only for the appropriate FITA round at RMTs (recurve and compound ANZ stars for 800, 900, 950, 1050, 1150, 1250, 1350, 1400). Arbalists could win Merit Stars for FITAs of 1000, 1100, 1200 and 1300.

6 PERFECT PINS

6.1 Criteria

Perfect pins may be won in the following fashion:

(a) FITA round:

122cm face all six arrows of one end in the gold (9 and/or 10 zone) at 90,70, 60m:

80cm face all three arrows of one end in the 10 zone at 50m or 30m **or all 6 arrows in the gold (9/10 zones) when 6 arrow ends are shot.**

Board decision 2012

(b) Silver Fern

all three arrows of one end in the 10 zone at 35m

(c) All other rounds

all six arrows of one end in the gold (9 and/or 10 ring) at each recognised distance from 55m upwards

(d) New Zealand clout

all six arrows of one end in the gold

(e) FITA Field:

80cm face all three arrows in the 5/ 6 zone

60cm face all three arrows in the 5/6 zone

Athletes' Commission will be asked to consider if we should have an Indoor pin 10 zone only.

7 RECORDS

7.1 Definition

7.1.1 New Record

A new record may be established when a score is at least one point higher **or in the case of Flight shooting, one centimetre further)**

References to flight will be removed in all cases. It has not been shot in New Zealand for many years.

7.1.2 Perfect Score

In the case of a perfect score shot in outdoor target archery, a new record shall include the number of inner 10s (Xs) and shall require at least one more X than the existing record.

In Field archery a perfect score record will be achieved by including the number of 6s.

Note it is not possible to award records for indoor archery where perfect scores are achieved. There are no more Xs

7.1.3 Maintaining of Records

There shall be records maintained by the Registrar for each gender (female/male) each bow type recognised by Archery New Zealand Inc (see Archery New Zealand Shooting Rules section 1), each round recognised by Archery New Zealand Inc (ibid. section 3) and the following age groups:

Masters 65+
Masters 50-64
-Seniors
-Juniors
-Cadets

Clarification of the JAMA rounds

7.2 Record Types

Records shall be of three types

7.2.1 National Tournament Records

National records which shall be shot at the appropriate national outdoor or indoor championship. The National Tournament record for each age group must be shot by a competitor participating in that particular age and equipment division at the competition.

Where Nationals' records exceed New Zealand records, they shall become the New Zealand records as well

7.2.2 New Zealand Records

New Zealand records may be created at any major tournament that complies with Administrative Rules Tournament Regulations 1.4. The person who shoots the highest score for that gender and bow type regardless of the age of the archer will hold the New Zealand record for any particular round. That is, for example, a person under 20 years of age may hold the "senior" New Zealand record. However, no one may claim a record for an age group in which she/he is not eligible to shoot. Women's records may only be held by females. Masters, Junior, Cadet and JAMA records may only be held by persons complying with the relevant age requirements. Where New Zealand records exceed Open records they shall become Open records as well.

7.2.3 Open Records

Open records may be held by the person (male, female, any age) who shoots the highest score for that particular bow class and round.

7.3 ANZ Rounds

All officially recognised Archery New Zealand rounds shall be contestable for records.

7.4 FITA Rounds

FITA rounds, both single and double totals, plus single range totals for women, men, juniors, cadets and Masters will be recognised.

7.5 Short FITA and Long Metric records

Short FITA and Long Metric records may only be claimed where those rounds are shot alone and not as part of a full FITA round.

7.6 Holding of National Tournament and NZ Records

National Tournament and New Zealand records may only be held by permanent residents of New Zealand who are affiliated to Archery New Zealand.

7.7 Holding of Open Records

Open records may be held by any archer who is affiliated through her/his own association to FITA.

7.8 FITA World Records

FITA World Record claims must be forwarded with full documentation to the National Secretary of Archery New Zealand within three (3) days of the event. This will give time for Archery New Zealand to comply with the FITA imposed 10-day time limit for claiming World Records

8 INDOOR ARCHERY

8.1 Bow Type and Classes

Archery New Zealand recognises for each type of bow (compound, recurve, longbow and crossbow), these classes for indoor shooting,

- Senior- women and men,
- Junior- women and men
- Cadet - women and men
- JAMA - Intermediate (U'14), Cub (U'12) and Kiwi (U'10), girls and boys

- Masters- 50-64 and 65+, women and men.

8.2 Arrangement of Classes

The tournament organisers may decide to arrange to run the classes each as an open event or to combine classes where necessary.

8.3 FITA Rounds

See FITA rules.

8.4 American

As for the outdoor round but shot at 14m or 28m on scaled down target faces. Arrows may be shot in 3 or 6 arrow ends. Six sighting arrows to be shot only at beginning of the round .

Request to Athletes' Commission should we continue with this round? Or replace with the Vegas round.

8.5 Chicago

96 arrows at 18m, using a 5 zone 40cm target face.

Scoring will take place after each 6 or 3 arrow end.

Sighting arrows are allowed only at the beginning of the round.

8.6 Portsmouth

60 arrows at 18m, using a 60 cm FITA single or multiple face. Ends of 6 arrows will be shot commencing with one sighting end of 6 arrows.

8.7 Auckland

30 arrows at 25m using a FITA 60 cm face, 30 arrows at 15m using a FITA 40cm face. Scoring will be 10-1 and will take place after each 3 or 6 arrow end. 6 sighting arrows may be shot at the longest range only.

8.7 Indoor Pin Scores - Under review

Chicago	780 (800)
FITA 25m	530 (550)
FITA 18m	500 (550)
Combined FITA	1060(1100)
American	730 (750)
Portsmouth	550 (560)
Auckland	570 (580)

Any three scores may be used to qualify for an indoor merit pin. The same score applies to every class of equipment except crossbow where the scores are in brackets.

Scores in () are the cross bow scores .Recurve and Compound are the same

8.8 Crossbow

IR 25m 600	60 bolts at 25m using a 60 cm or 40cm face, 10 zone scoring. The round is shot in 3 bolt ends. Two 3 bolt sighters are permitted.
IR 18m 600	(i) 60 bolts at 18m using a 40cm multi-pot ace (out to six) or 25 cm full face, 10 zone scoring. (ii) as (i) but using a 30cm multi spot face There are two 3 bolt sighters and scoring takes place after each 3 bolt end.
IR 10m 400	40 bolts at 10m using a multiple 10 zone 25 cm face.

Two 4 bolt sighter ends are shot . 4 bolt ends are shot, each bolt at a separate 25cm face, 3 minutes are permitted for each end. Scoring for 10m rounds: any bolt touching a dividing line will count at the lower score. To count as a 10 the bolt must lie fully within the 10 zone without touching the 10 ring.

8.9 Indoor Target Face Sizes

Score Values	Colour	Diam. cm	Radius cm
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Chicago	Zone	9	Gold	8.128	4.064	
	Zone	7	Red	16.256	8.128	
	Zone	5	Blue (Lt)	24.384	12.192	
	Zone	3	Black	32.512	16.256	
	Zone	1	White	40.640	20.32	
American (55m Face)	Zone	9	White	6.1	3.05	
	Zone	7		12.2	6.1	
	14m scale	Zone	5		18.3	9.15
	(double for	Zone	3	Black	24.4	12.2
	28m scale)	Zone	1	7 ring	30.5	15.25
American (46m face)	Zone	9	As above	7.32	3.66	
	Zone	7	As above	14.64	7.32	
	Zone	5	As above	21.96	10.98	
	Zone	3	As above	29.28	14.64	
	Zone	1	As above	36.6	18.3	
American (36m face)	Zone	9	As above	9.15	4.572	
	Zone	7	As above	18.3	9.15	
	Zone	5	As above	27.45	13.725	
	Zone	3	As above	16.6	18.30	
	Zone	1	As above	45.75	22.875	

8.10 Tolerances of Measurements

The tolerance of measurements for the various sized target faces shall be as prescribed in the current FITA rules.

9 FIELD ARCHERY ARCHERS' EQUIPMENT

9.1 Barebow Recurve

Barebow recurve as per FITA rules.

9.2 Recurve

Recurve as per FITA rules.

9.3 Compound

Compound as per FITA rules.

9.4 Crossbow

Crossbow as per WCSA rules.

9.5 Longbow

Longbow as per WA rules

ARCHERY NZ RECOGNISED FIELD ROUNDS

9.5 FITA Unmarked Field

See FITA rules

9.6 FITA Marked Field

See FITA rules

9.7 FITA Forest Round

See FITA rules

9.8 FITA 3D Round

See FITA rules with the addition of recurve bows

9.9 The NZ Field Round - **recommend to be deleted as never used**

The round may be Unmarked or Marked. FITA rules should be used in regard to the layout of courses for Archery New Zealand rounds.

It consists of 96 arrows, 4 per target on 24 targets, arranged along a course with such difficulties in aiming and shooting as the terrain presents and in the spirit and traditions that the discipline requires.

Only one arrow is to be shot from each peg. A round may be shot using 2 units of 12 targets or shooting the same unit twice.

(i) Target specifications are as FITA rules.

No of	Dia of	Distances Min-Max in Metres
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Targets	Field Face	Blue Barebow Longbow	Red Recurve Ltd Comp U/S Comp	Yellow Comp CrossBow
3	20	5-15	10-20	15-25
3	40	10-20	15-30	20-40
3	60	15-30	25-40	30-50
3	80	25-40	30-50	40-60

ii) Unit for marked field course

No of Targets	Dia of Field Face	Distances Min-Max in Metres		
		Blue Barebow Longbow	Red Recurve Ltd Comp U/S Comp	Yellow Comp CrossBow
3	20	10-10-15-15	10-15-15-20	10-15-20-25
3	40	15-20-25-30	20-25-30-35	25-30-35-40
3	60	25-30-35-40	35-40-45-50	40-45-50-55
3	80	35-40-45-50	45-50-55-60	55-60-65-70

9.10 3 arrow Animal Round **recommend deletion as not used**

Animal faces of five types of registered templates as approved by the Judges' Commission

Three	24 red	25 white	26 blue
Three	27 blue	28 white	29 red
Three	30 red	31 white	32 blue
Four	33 red	34 white	35 blue
Four	36 red	37 white	39 blue
Four	40 blue	42 white	44 red
Five	46 red	47 white	49 blue
Five	51 blue	53 white	55 red

Where terrain permits it is recommended that some targets be set out as fans.

Scoring

Only one scoring arrow at each target.

1st Arrow Red Peg; Inner 20, Outer 18, Body 16

If the first arrow fails to score shoot 2nd Arrow from the White Peg: Inner 14, Outer 12, Body 10

If the first two arrows fail to score shoot 3rd Arrow from the Blue Peg: Inner 8, Outer 6, Body 4.

9.11 Merit Scores –**Athletes' Commission to review.**

	FITA U/M	FITA Forest	NZFR	3 Arrow
Men's recurve	200	220	260	430
Women's recurve	180	185	240	370
Men's recurve B/B	130	200	160	400
Women's recurve B/B	110	175	140	350
Men's Compound	240	245	320	490
Women's Compound	220	200	290	390
Men's Longbow	80	150	110	300
Women's Longbow	60	125	80	250
Men's Crossbow	260	260	350	520

Women's Crossbow	240	245	320	490
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Junior merit pin scores for all divisions are the same as the women's. The merit pins are a silver stump and a gold stump. To obtain a silver stump 3 (three) scores from any rounds are needed.

To obtain a gold stump 9 (nine) scores are needed from 3 different rounds. The silver stump scores may be used to make up the nine.

10 LONG BOW

As per WA Rules.

11 CROSSBOW

As per WCSA Rules.

12 CLOUT SHOOTING

12.1 Single Clout

A single clout round shall consist of 6 scoring ends each of 6 arrows. Two sighter ends each of 6 arrows shall be allowed prior to the commencement of scoring.

12.2 Double Clout

A double clout round shall consist of 72 scoring arrows, each end to be shot in the opposite direction. The two sighter ends shall be allowed one from each direction.

12.3 Distances

185 metres - Compound (men and junior men) and all crossbow.

165 metres - Recurve (men and junior men),

145 metres - Recurve (women, junior women, cadet women and cadet men), Compound (cadet women and JAMA U14 girls and boys) and all longbow archers.

80 metres - Recurve (JAMA Intermediate, Cubs and Kiwi), Compound (JAMA Intermediate Cub and Kiwi girls and boys).

Whole issue of distances to be discussed by the JAMA Commission.

12.4 Measurements

12.4.1 Layout

The clout shall be set out on the ground. It shall be

14.64m in diameter, divided into five consecutive scoring zones, each of which shall be 1.464m in width.

12.4.2 Centre

The centre of the clout target shall be marked by a pole to which is attached a brightly coloured triangular flag.

The flag shall be made of easily visible light material, triangular or rectangular in shape, approximately 61cm long x 45cm wide, secured to a pole of soft wood. The top edge of the flag will be 122cm above the ground and in the centre of the target area. Appropriately coloured miniature flags, 15cm x 10cm, and a maximum height 25cm above the ground, will be placed parallel to the shooting line on the outer edges of each of the scoring zones.

12.5 Shooting Position

The shooting position and target area shall be on a reasonably similar plane.

12.6 Shooting Rules

WA Target shooting rules shall apply. The sight used will be *either* the normal target sight at the front of the bow

or the sight reversed; (or a pin, etc), at the back of the bow. If this latter method is used, the archer may also use a point of aim. Compound bows may use a prism. (WA Book 3 11.2.5.1) 5 zone scoring will be used.

12.7 Points of Aim

Points of aim may not protrude more than 15cm above the ground and may not exceed a diameter of 7.5cm.

Points of aim shall not be placed in the target area. Points of aim may be shifted only with the permission of the director of shooting during practice ends, or between ends when no permission is necessary.

12.8 Spare Arrows

No spare arrows may be taken into the target area.

SCORING

12.9 DOS Instructions

The director of shooting shall appoint a sufficient number of archers for each zone to pull and sort arrows and shall instruct them in the proper methods to be followed.

12.10 Steel Tape or Wire

A steel tape or wire shall be laid out from the centre pin and being held at the outer radius, carried around the outer circumference of the target. Arrow pullers will follow behind withdrawing all arrows within their zones as defined by the tape.

12.11 Arrow Scoring

An arrow shall score according to where the shaft enters the ground. When an arrow lies on the surface, its value shall be determined by the position of the tip of the pile. When an arrow lodges in the centre pole or flag it shall score 9 points.

12.12 Doubtful Scoring

Doubtful scoring arrows shall be decided by the director of shooting, or target captain if no judge is available.

12.13 Timing

Sufficient time shall be allowed for contestants to observe the fall of their arrows before scoring begins.

12.14 Scoring Method

The collected arrows shall be laid in their respective zones between the zone marker flags. There shall be two scorers per target using a double card scoring system. When requested, the archer shall claim his/her arrows while the scorers check and record the values as they are called by the archer.

12.15 Tie

In the event of a tie the results shall be determined by the standard FITA target procedure.

12.16 Pin Scores

The merit pin score for all competitors shall be 260 points.

12.17 Perfect Pin

A perfect pin may be claimed by an archer shooting all six arrows in a single end into the gold. The award may be claimed more than once if different types of

equipment are used.

13 STANDARD BOW.

See WA rules.

14 CROSSBOW SHOOTING RULES

WCSA rules apply except as detailed below.

14.1 Classes

Arbalists do not compete with recurve/compound archers but compete with and against each other for awards within their own class.

14.2 Same Line Arrangement

Where arbalists shoot the same rounds as archers they will do so on the same line and under the control of the same director of shooting.

Arbalists will use WCSA scoring at all times.

14.3 Separate Line Arrangement

At other times arbalists will shoot their own rounds on a separate line with their own director of shooting.

TARGET FACES

14.4 Outdoor Faces

Crossbow arbalists shall use faces that comply with the WCSA rules for all outdoor competitions except the FITA and Silver Fern.

14.5 Outdoor FITA Rounds

The outdoor FITA round will be the women's FITA using a 60cm face for all distances.

14.6 Silver Fern Face

The Silver Fern round will be shot on a 40cm target face.

ARCHERY NEW ZEALAND MERIT AWARDS

14.7 Eligibility for Awards

Crossbow arbalists are eligible to compete for Archery New Zealand incentive awards of all types.

14.8 Outdoor Merit Pin

Outdoor target merit pin scores shall be the same for crossbow archers as for recurve archers subject to section 4 above.

14.9 Indoor Merit Pin

For crossbow arbalists the Indoor Merit pin scores are increased viz Chicago 800; American 750; PAA 280; Portsmouth 560; FITA 18m and FITA 25m 550.

14.10 WCSA Rounds

WCSA recognised rounds will be shot according to WCSA rules

