



World Crossbow Shooting Association Inc.  
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# **Competition and Shooting Rules for World Championship. Regional Championship. Registered Star competition.**

**Outdoor Target.**

**Book 4 of 11.**

for

Target, Standard, Freestyle, and Medieval Crossbow

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## 39 OUTDOOR TARGET

Outdoor Target Shooting will be conducted on any suitably sized level outdoor sporting arena, oval or clear field. The shooting range (Book 11 - Appendix 7) will avoid where possible any man-made structures above ground level.

### 39.1 Range Layout

- 39.1.1 The shooting direction is to be within +/- 20 degrees of north in the Northern Hemisphere and of south in the Southern Hemisphere where possible.
- 39.1.2 The grounds and the location of the targets will provide substantially equal conditions for all competitors. All competitors will be accommodated on the same range.
- 39.1.3 The range will be squared off and each distance will be accurately measured from a point vertically beneath the centre (gold) of each target face to the shooting line along the ground. Tolerances on distances will be +/- 15cm.
- 39.1.4 The targets will be inclined backwards such that the angle from vertical is max.15 degrees with all targets appearing uniform.
- 39.1.5 Provision will be made for sufficient target butts to allow for not more than two competitors per target.
  - 39.1.5.1 With one competitor per target the centre of the face will be 130cm (tolerance of measurement will not exceed +/- 5cm) above the ground as measured from an estimated even ground level. The face will be placed in the centre of the target butt (*refer Appendix 8, Target butt*) the height of the centres of the faces in a line of target butts, on the range should look straight at all times.
  - 39.1.5.2 With two competitors per target butts (two face set-up) the centre of the faces will be 130cm (tolerance of measurement will not exceed +/- 5cm) above the ground as measured from an estimated even ground level. Each of the faces will be placed in its half of the target butt (*refer Appendix 8, Target Butt*) and the minimum distance between the scoring zones of the faces will be 1cm. The height of the centres of the faces in a line of target butts, on the range should look straight at all times.
- 39.1.6 Targets butts will be spaced such that there is at least 1.5 meters per competitor per detail per target butt,
- 39.1.7 A point on the shooting line directly opposite each target face will be marked and there will be a number corresponding to that target face positioned 2 meters in front of the shooting line.
- 39.1.8 Shooting lanes will be at right angles to the shooting and target lines, the width of each being sufficient to accommodate all the competitors on each target butt in each lane which may contain one (1) or two (2) butts. Lanes will be marked on the ground from the shooting line to the longest distance target line.
- 39.1.9 A target line will be marked on the ground for:
  - TARGET CROSSBOW; at 45, 55 and 65m distances, parallel to the shooting line
  - STANDARD CROSSBOW; at 35, 45 and 55m distances, parallel to the shooting line
  - FREESTYLE CROSSBOW; at 35, 45 and 55m distances, parallel to the shooting line
  - MEDIEVAL CROSSBOW; at 20m, 30m, 40m distances, parallel to the shooting line.
- 39.1.10 A waiting line will be marked at least five (5) metres behind the shooting line.
- 39.1.11 An equipment area will be from the waiting line, and a marked line five (5) meters behind the waiting line.
- 39.1.12 A spectator line will be marked at least ten (10) metres behind the waiting line,
- 39.1.13 The field should, be marked or roped-off and only competitor's taking part in the event and persons otherwise authorised will be allowed to enter. Spectators should be required to be at least ten metres behind the waiting line.
- 39.1.14 Where the public has the right of access, suitable barriers must be erected around the range to keep spectators back. These barriers will be at least eighteen (18) metres away from the ends of the target line set at the longest distance and may, if desired, reduce in a straight line to a minimum of ten (10) metres away from the ends of the Shooting Line. This would maintain a margin of approximately fifteen (15) metres from the target line when the target butts are moved forward to the shortest distance. The barriers will be at least ten (10) metres behind the equipment line and as far beyond the target line set at the longest distance to prevent members of the public passing closer than sixty-five (65) metres behind the target butts. This will create a safety zone increasing to eighty-five (85) metres when target butts have been moved forward to shoot the shortest distance. The safety distance of sixty-five (65) metres may be reduced when an adequate backstop, e.g., efficient netting, bank, or similar device, is erected (not a hedge or penetrable fence). Such a backstop must be high enough to stop bolts, which have just missed the top of the butt at the longest distance. Consideration should be given to any distractions caused to the competitors by movement of people, etc. behind the butts.

- 39.1.15 Timing lights are to be placed on both sides of the field and, if necessary, in a clear lane in the centre of the target butts so that both right- and left-handed competitors will be able to see them. They are to be placed in front of the shooting line on each side of the field and in the clear lane at any distance shorter than thirty (30) metres, as long as they are visible to all competitors on the shooting line.
- 39.1.16 A recommended layout for World Outdoor Target Championships Tournaments is shown in Book 11, Appendix 7.

## 39.2 Venue Equipment

### 39.2.1 Targets (Buttresses)

The buttress will be large enough to accommodate the target face(s) with a minimum of one (1) cm extra all-round the outside the outermost scoring zone(s), this will ensure that any bolt hitting the butt and just missing the outermost edge of the scoring zone remains in the butt. The butt is to be made from suitable material such that bolts will not ordinarily rebound from, pass through, or be damaged by it.

39.2.2 The target butt will be supported and secured on a suitable framework so that its centre is 130 cm  $\pm$  5 cm above the average surrounding ground level. The Butts and the framework will be secured to the ground in such a manner as to prevent them from being blown over or collapsing. Where possible care must be taken that bolts which may pass through the butt are not damaged by the supports. (*refer Appendix 8, Target Butt*).

39.2.3 A wind indicator flag will be fitted to each target, such flags will be of any light material and preferably **yellow** in colour and will be positioned above the centre of each butt high enough to allow a clearance of a minimum of 5cm between the bottom of the flag strips and the top of either the buttress or the target number, whichever is the higher. (Book 11 - Appendix 9, Wind indicator).

39.2.4 Target faces will be numbered. The numbers will be a minimum of twenty (20) cm tall on a background large enough to accommodate them with a border and will be black figures on a yellow background, alternating with yellow figures on a black background (e.g., No. 1 black on yellow, No. 2 yellow on black, etc.). Target numbers will be affixed above or below the centre of each target face. (Book 11 - Appendix 8, Target Butt).

39.2.5 Flags or some other suitable device, will be provided on the shooting line with which competitors can signal for a judge. These flags will preferably be red in colour.

## 39.3 Target Faces

39.3.1 The standard face will be divided into five equal concentric coloured rings arranged from the centre outwards as follows; gold (yellow), red, light blue, black and white. Each ring will in turn be divided by a thin line into two zones of equal width, thus making ten scoring zones. The inner gold zone may be further divided with a line at 50% of the diameter of this zone. Such dividing lines, and any dividing lines which may be used between colours, will be made entirely within the higher scoring zone in each case.

Any line marking the outmost edge of the white will be made entirely within the scoring zone.

The width of the thin dividing lines as well as the outermost line will not exceed two (2) mm.

The centre of the target face is termed the 'pinhole' and will be indicated by a small "+" (cross) the lines of which will not exceed one (1) mm in width and four (4) mm in length.

39.3.2 WCSA approved target face will be sixty (60) cm in diameter (Book 11 - Appendix 11, Target Face).

39.3.3 Competitors will be provided with their own individual target face. Each face will be affixed with a number to indicate the assigned target face to the competitor. The numbers will be affixed as in Book 5 - rule 40.2.4.

39.3.4. The target face will be affixed to the target in such a manner that the face cannot move or contract when hit by a bolt.

39.3.5 Target faces may be made of paper, cloth, or any other suitable material. All faces will be uniform and of the same material. Only those faces as approved by the World Crossbow Shooting Association or licensed by World Archery will be used.

Tolerances of measurement

Zone	Diameter cm 60cm Face	Tolerance +/- in mm
Inner 10	3	1
Outer 10	6	1
9	12	1
8	18	1
7	24	3
6	30	3
5	36	3
4	42	3
3	48	3
2	54	3
1	60	3

Scoring values and Specifications

Scoring Values	Colours	Pantone Scale
10	Yellow	107U
9	Yellow	107U
8	Red	032U
7	Red	032U
6	Light Blue	306U
5	Light Blue	306U
4	Black	Process Black
3	Black	Process Black
2	White	
1	White	

**39.4 Time Control Equipment**

39.4.1 Acoustic and visual

39.4.1.1 The Director of Shooting will control:

- a) the start and end of each time limit with an audible device.
- b) each time limit with digital clocks, lights, flags, plates and/or any other simple visual device in addition to the audible signal referred to above.

39.4.1.2 In the event of any discrepancy between the acoustic and the visual time control equipment, the acoustic time control equipment will take precedence.

39.4.2 The following equipment can be used:

39.4.2.1 Lights

The colours of the lights will be red, yellow, and green in that order with the red at the top.

The lights must be synchronised and at no time will two different colours be on at the same time. The lights must be linked with the acoustic equipment so that the first sound of the acoustic equipment is simultaneous with the light turning red and the digital clock reaching zero.

#### 39.4.2.2 Digital Clocks

When timing is controlled by the use of digital clocks the figures on the clock will be a minimum of twenty (20) cm in height and must be able to be clearly read at a distance of one hundred (100) meters. They must be able to be immediately stopped and reset as may be required. The clock must function on a countdown principle. All other requirements, e.g., position, number, etc., will be the same as for lights.

When digital clocks and lights are used they must be synchronised. If there is a discrepancy between the digital clock and lights, the digital clock takes precedence.

#### 39.4.2.3 Manual Timing

When the time limit is controlled manually by means of plates these plates are to be not less than 120cm by 80cm in size. They must be securely mounted to resist any wind and must be easy to turn quickly to show either side. One side of the plates will be striped with twenty to twenty-five (20-25) cm wide stripes alternating in black and yellow. The stripes will be at an angle of about 45 degrees to the ground. The reverse side will be all yellow. (Book 11 - Appendix 10, 30 Second Timer Board).

#### 39.4.2.4 Emergency Equipment

When the time limit is controlled by electrical equipment, plates, flags, or other simple manual devices must be available in case the electrical equipment fails. Lights and/or digital clocks and emergency equipment are mandatory for WCSA Championships.

### 39.5 Miscellaneous Equipment

The equipment outlined below is mandatory for WCSA Championships and is recommended for other important tournaments.

39.5.1 Registration numbers to be worn by each competitor.

39.5.2 A raised platform with seating facilities for the Director of Shooting.

39.5.3 Loudspeaker equipment at large tournaments.

39.5.4 Equipment such as Field Telephones, "walkie-talkies" two-way radios and the like are most useful for communication between officials.

39.5.5 A device to indicate the order of shooting, e.g. A B; B A; A B; etc. if the competitors do not all shoot at the same time. The letters will be large enough to be read by all competitors from their respective shooting positions. Two or more of these devices may be needed.

39.5.6 Sufficient chairs or benches behind the waiting line for all competitors, Team Captains, Judges, and other officials.

39.5.7 One large scoreboard for progressive totals after each end, for at least the first eight (8) Open, Senior, Senior 70+, Intermediate and Junior classes which indicate the scores.

The large scoreboard may be supplemented by displaying the progressive scores of all competitors after each end by a device situated on the ground in front of the target butt.

39.5.8 A score board or some other such device with the competitor's name and/ or target number 1A, 1B or simply A, B may be used for displaying progressive total scores after each end. When this device is being used, it will be placed on the ground below and in front of each butt. It must be pegged or fixed securely to prevent movement by wind. It will be changed by the appointed scorer, aided by the competitors on that target butt, after the bolts have been scored and drawn, and before they leave the target butt.

### 39.6 Shooting Control and Safety

39.6.1 The Director of Shooting will institute and enforce any reasonable safety measures they consider necessary.

39.6.2 A competitor arriving after shooting has started will forfeit the number of bolts already shot, unless the Director of Shooting is satisfied that the competitor was delayed by circumstances beyond his or her control. In this case the competitor may be allowed to make up the lost bolts after the distance then being shot is completed, but in no circumstances may that be more than fifteen (15) minutes.

39.6.3 The Director of Shooting, in consultation with the Judges, has authority, to extend the time limit in exceptional circumstances. Any such special ruling introduced must be announced to the competitors before having effect. In such cases, the final results list must include the special ruling and the reasons for it. When visual time controls are in use, the thirty seconds remains unchanged,

39.6.4 Shooting will not commence unless safety conditions have been endorsed by the Judges and Director of Shooting.

- 39.6.5 The Director of Shooting will give a fifteen (15), ten (10), five (5) and two (2) minute warning before the start of competition shooting.
- 39.6.6 At the commencement of each end two (2) sound signals for the competitors to occupy the shooting line.
- 39.6.7 The signal to commence shooting will be one (1) sound signal.
- 39.6.8 The signal to cease shooting and retire to the waiting line will be two (2) sound signals. When competitors are shooting in detail, this is also the signal to allow the next detail to move to the shooting line.
- 39.6.9 The signal to score and collect bolts will be three (3) sound signals.
- 39.6.10A series of sound signals (more than five (5) sound signals) will indicate danger and all shooting must cease immediately on the first sound signal. The signal to resume shooting will be one (1) sound signal.
- 39.6.11After the start of an end all shooting will stop on the first sound signal.
- 39.6.12Whenever the shooting line is clear, with all competitors having finished shooting their bolts before the end of the time limit, the appropriate signal for change or scoring will be given immediately.
- 39.6.13No competitor will occupy the shooting line except when the appropriate signal has been given.
- 39.6.14Competitors may NOT span, load, and raise or aim the crossbow (it must be pointed at the ground, directed towards the competitors designated target and held in a safe position) while on the shooting line before the commencement to shoot signal (one (1) blast) is given.
- 39.6.15 A competitor may not span or load a crossbow with a bolt, except when standing on the shooting line and under the control of the Director of Shooting. A competitor may check his/her stance/position on the shooting line, by lifting the crossbow (which is not to be spanned or loaded with a bolt) and will only aim towards his/her target, but only after being satisfied that the field is clear both in front of and behind the targets. If a competitor, whilst checking his/her stance/position on the shooting line, before the shooting starts or during breaks between distances, loose a bolt, intentionally or otherwise, will be disqualified and removed from the competition on the matter of safety.
- 39.6.16While shooting is in progress only those competitors whose turn it is to shoot may be on the shooting line. All other competitors will remain behind the waiting line with their equipment. Spotting telescopes may be left on the line at the discretion of the Director of Shooting.
- 39.6.17 After a competitor has shot his/her bolts, he/she will retire behind the waiting line with his/her equipment. A competitor confined to a wheelchair may be permitted to remain on the shooting line provided that it does not interfere with the conduct of the Tournament.
- 39.6.18 No competitor or other person may touch the tackle of another without the latter's consent.
- 39.6.19 A competitor will not be disturbed or approached during shooting except in an emergency.
- 39.6.20 No person will approach a target or go forward of the shooting line unless the Director of Shooting has signalled permission to do so.
- 39.6.21 To ensure the proper conduct of a tournament and in the interests of safety, the Director of Shooting or Judges may request a competitor to change his/her shooting position on the line or join another target group. If the competitor considers the Director of Shooting or Judges' request to be unreasonable his/her appeal to the Jury of Appeal will be heard prior to any change in position.
- 39.6.22 Any remark or action made that may cause annoyance or confusion to a competitor or may detract from his/her concentration is un-sportsmanlike and is not allowed. The Judge(s) will first caution the offender, and if the offence is repeated, may direct him/her to withdraw from the event.
- 39.6.23 In the event of a competitor not being satisfied with a ruling given by the Judges, he or she may, except as provided for in rule 39.10.4 below, appeal to the Jury of Appeal according to rule 20.5. Trophies or prizes which may be affected by a dispute will not be awarded until the Jury ruling has been given.
- 39.6.24 Should a target face become unreasonably worn or otherwise disfigured or should there be any other complaint about range equipment, a competitor or his Team Manager may appeal to the Judges or Director of Shooting to have the defective item replaced or remedied.

### **39.7 Order of Shooting and Timing Control**

- 39.7.1 A shooting time limit will be applied; such time limit will be three (3) minutes for TARGET and MEDIEVAL crossbows for three (3) Bolts and Three (3) minutes for STANDARD and FREESTYLE Crossbows for two (2) bolts. Any bolts not shot after this time will be lost. If any bolt is shot outside the time limit for an end, the competitor's highest scoring bolt for that end will be forfeited.
- 39.7.2 When the shooting is controlled by plates: two plates are essential in the clear lane so that the same side of the plates (all yellow or black & yellow stripes) is displayed simultaneously to all competitors. The BLACK and YELLOW striped side will be turned towards the competitors as a signal of warning that only thirty (30) seconds are left of the time limit. The YELLOW side of the plate will be turned toward the competitors at all other times.

39.7.3 When shooting is controlled by Lights.

- a) **RED:** The Director of Shooting will give (2) two sound signals for the designated competitors to occupy the shooting line all together.
- b) **GREEN:** On the lights changing Green (10) ten seconds after the (2) two sound signals the Director of Shooting will give (1) one sound signal for shooting to start.
- c) **YELLOW:** This light will go on when only (30) thirty seconds are left of the time to shoot.
- d) **RED:** Means that the Time Limit has expired and (3) three sound signals will be given to indicate that the shooting is to stop, even if all bolts have not been shot. Any competitor still on the shooting line, must immediately lower the crossbow, remove the bolt from the crossbow and the string un-spanned (unlatched and lower the string), and retire behind the waiting line. If shooting in detail, the next detail will move up and occupy the shooting line and wait for the Green light, as above for the shooting to begin, the above procedure will be repeated until all have shot. When all TARGET and MEDIEVAL competitors have shot an end of three (3) bolts and STANDARD AND FREESTYLE CROSSBOW Competitors have shot an end of two (2) bolts the RED light will come on and three (3) sound signals will be given for the competitors to go forward and score.

39.7.4 If shooting in two (2) or more details, (20) twenty seconds is the time allowed for those competitors left on the shooting line to retire and the competitors in the next detail to occupy the shooting line. If all competitors are shooting together in one (1) detail then ten (10) seconds is the time allowed to occupy the shooting line.

39.7.5 When the Director of Shooting has ascertained that all competitors have completed shooting and retired behind the waiting line or the time limit has expired, three (3) sound signals will be given as the signal to proceed without undue haste to the targets to score, recover bolts, and return to the waiting line.

39.7.6 When all competitors are ready to shoot again the Director of Shooting will signal the start of the next end with two (2) blasts to move to the shooting line followed by one (1) blast to commence shooting. This method will continue until the round is completed. After completing the required number of ends at one distance the competitors will proceed to the next distance.

39.7.7 When shooting is suspended during an end for any reason, the time limit will be adjusted according to the number of bolts remaining and the period of time permitted. e.g.: sixty (60) seconds per bolt for TARGET and Medieval crossbows and ninety (90) seconds for STANDARD and FREESTYLE crossbows.

39.7.8 Competitors on a target may be divided into shooting details, for example A, B etc., shooting at different times.

## 39.8 Shooting

39.8.1 Two (2) ends of practice bolts in five (5) minutes) will be made available to all competitors immediately before commencement of the first scoring end of the event and conducted under the control of the Director of Shooting.

39.8.2 There will be a minimum of thirty (30) minutes break between distance changes.

39.8.3 There will be one end of 3 bolts in (5) five minutes) practice at each distance change.

39.8.4 In the case of several rounds comprising a tournament or event there will be practice at the commencement of each round.

39.8.5 When a round is shot over several days there will be practice available at the commencement of each day.

39.8.6 A bolt will not be deemed to have been shot if.

- a) the competitor can touch it with their crossbow without moving his/her feet from their position in relation to the shooting line, in which case another bolt may be shot in its place. If another bolt is not available the competitor may retrieve his/her bolt with the Judges' permission.
- b) the target face or buttress falls over (in spite of having been fixed and pegged down to the satisfaction of the Judges In this case, the Judges will take whatever measures they deem necessary and compensate adequate time for shooting the relevant number of bolts. If the buttress only slides down it will be left to the Judges to decide what action to take, if any.

39.8.7 In the event of equipment failure the competitor will step back off the shooting line (approx. 1 meter) and at the same time call a Judge using a flag or other device provided for the purpose, or by holding a hand and arm in the air above the head. The competitor will be allowed a maximum of (15) fifteen minutes extra time to shoot any make up bolts. For Target and Medieval (60) sixty seconds per bolt in three (3) bolt ends or for Standard and Freestyle (90) ninety seconds per bolt in two (2) bolt ends. No extra time will be allowed in the case of a bolt defect (ie. Damaged nock, loose vane etc.)

- 39.8.8 In the event of a competitor being unable to continue shooting because of an unexpected medical problem which occurs after the beginning of the shoot, no more than fifteen (15) minutes will be allowed for medical personnel to determine the problem and decide whether or not the competitor is fit to continue competing unassisted. The competitor will make up the appropriate number of bolts at the earliest opportunity under the supervision of the Director of Shooting but has a maximum of fifteen (15) minutes to do so.
- 39.8.10 In the event of a competitor leaving bolts on the ground or in the target, they may use others provided they inform a Judge before shooting. In such circumstances, a Judge will participate in the scoring of that end, making sure that the bolts which remained in the target are checked back to the competitor's score sheet before any bolts are withdrawn from the target.
- 39.8.11 Competitors will take spare bolts with them to the shooting line and will not leave the shooting line during their shooting time, except for reasons expressly permitted within these rules.

### **39.9 Shooting Stance and Position**

39.9.1 During the act of shooting Outdoor Target:

- 1) For an Assisted Shooter, (Book 2 - Clause 34.4, Clause 34.5, and Clause 34.6)
- 2) All other competitors will, by standing in an upright standing position having at least some part of the front foot in front of the shooting line.
- 3) All crossbows must be supported wholly by the competitor. It cannot be supported on a stand (excluding Assisted using the WCSA support.) nor can any part of the crossbow touch something to act as a support or steadier.

### **39.10 Scoring**

- 39.10.1 The scoring zone values will be 10, 9, 8, 7, 6, 5, 4, 3, 2, and 1 from the centre outwards with clear tens (10)s - (a 10 not touching the outer 10 scoring zone line) being marked on the score sheet as a ten (10) with a circle around it. A miss is marked as an **M**.  
Where partial target faces are in use, the scoring values will be 10, 9, 8, 7 and 6 from the centre outwards with the same qualification on the circled tens (10s).
- 39.10.2 Neither the bolts nor the face or faces will be touched until all bolts on that target buttress have been recorded.
- 39.10.3 A bolt will be scored according to the position of the shaft in the target face.
- 39.10.4 Any Competitor's/Team's Agent on the target will refer any questions about the value of a bolt in the target to a Judge before the bolts are drawn. The Judge's ruling is final.
- 39.10.5 A mistake on a score sheet discovered before the bolts are drawn may be corrected, but the correction must be made and initialled in red by a Judge before the bolts are drawn. If the bolts have been drawn, no corrections to the bolt values as written on the score sheet will be permitted. Any other disputes concerning entries on a score sheet will be referred to a Judge.
- 39.10.6 Should the shaft of a bolt touch two colours, or touch any dividing line between scoring zones, that bolt will score the higher value of the zones affected.
- 39.10.7 Should a fragment of a target face be missing which includes a dividing line or where two colours meet or if the dividing line is displaced by a bolt, then an imaginary line will be used for judging the value of any bolt that may hit such a part.
- 39.10.8 Bolts embedded in the buttress and not showing on the face, should only be scored by a Judge.
- 39.10.9 Except as provided for in clause 39.10.10, if more than the allowed number of bolts per end belonging to the same competitor should be found in the target or on the ground in the shooting lanes either in front of or behind the target, only the allowed bolts per end with the lowest value will be scored. Should a competitor be found to repeat this, they may be disqualified.
- 39.10.10 A bolt:
- a) rebounding or pass through, the competitor will complete the shooting of that end. The rebounded or pass-through bolt will score the value of the lowest value unmarked hole on the competitors target face. If there is any doubt, a Judge shall participate in the scoring of that end.
  - b) laying on the ground in front of the butt which is believed to have struck another bolt already in the target will score the value of the bolt struck, provided the struck bolt is found in the target with itsnock or shaft damaged in a compatible manner.
  - c) hanging from the target, will oblige the competitor on that target to stop shooting and signal in the same way as in clause 39.8.7. When the shooting of that end has been completed by the other competitors on the line, or the time limit has expired, whichever is appropriate, a Judge will note the value of the bolt, remove it, and place the bolt behind the target. The remaining bolts will be shot by the competitor on that target before the

Director of Shooting orders general shooting to recommence. The Judge concerned will participate in the scoring of that end.

- d) hitting another bolt and remaining embedded therein, will score according to the value of the bolt struck.
- e) hitting another bolt, and then hitting the target face after deflection, will score as it lies in the target face.
- f) hitting a target face other than the competitor's own target face will be scored as a miss (M).

- 39.10.11 Competitors may delegate the authority to score and collect their bolts to another competitor on their own target or other person provided that they themselves do not go up to the target.
- 39.10.12 Scorers will enter on score sheets and in descending order the value of each bolt as called out by the competitor to whom the bolts belong. Other competitors with that scorer will check the value of each bolt called out. Only bolts scoring ten points will be referred to as "Golds". Scorers should compare their scores before any bolts are drawn.
- 39.10.13 All bolt holes on the target face will be marked to allow for the scoring of bouncers and pass throughs. This will be done by the Competitor's/Team's Agent after the scoring of each end prior to the bolts being removed from the buttress.
- 39.10.14 On completion of a distance or an event, as required, score sheets will be signed by the scorer and the competitor, denoting that the competitor agrees with the value of each bolt. If the scorer is participating in the shooting, his score sheet will be signed by another competitor with the same scorer.
- 39.10.15 An incorrectly totalled score sheet will be corrected. Where double scoring is used and a discrepancy between the score sheets is found after bolts have been removed from the target face, the lowest recorded values of the bolts will be credited.
- 39.10.16 The Director of Shooting will ensure that, after scoring, no bolts are left in the targets before any signal is given for shooting to recommence. If this inadvertently happens, the shooting will not be interrupted, and the competitor concerned may shoot that end with other bolts after informing a judge or make up the bolts lost after shooting over that distance has been completed.  
In such circumstances, a Judge will participate in the scoring of that end, making sure that the bolts which remained in the target are checked back to the competitor's score sheet before any bolts are withdrawn from the target.
- 39.10.17 A scoring board or some such device with the competitors' names and/or target numbers is permitted for displaying progressive and/or total scores after each end.

**SCHEDULE 1 - OUTDOOR TARGET ROUNDS**

<b>WORLD CHAMPIONSHIP ROUNDS</b>	<b>Total Bolts</b>	<b>70 m</b>	<b>65 m</b>	<b>60 m</b>	<b>55 m</b>	<b>50 m</b>	<b>45 m</b>	<b>40 m</b>	<b>35 m</b>	<b>30 m</b>	<b>20 m</b>	<b>Possible Score</b>
TC900/65/60 (Target)	90		30*		30*		30*					900
SC/FC600/55/60 (Std & Free.)	60				20*		20*		20*			600
MC900/40/60 (Medieval)	90							30*		30*	30*	900
Match-Play MPTC600/55/60 (Target)	9				9*							90
Match-Play MPSC600/45/60 (Standard) MPFC600/45/60 (Freestyle)	6						6*					60
Match-Play MPMC600/30/60 (Medieval)	9									9*		90

**MISCELLANEOUS ROUNDS**

PACIFIC	90			30*		30*		30*				900
ATLANTIC	60						30*			30+		600
MEDITERRANEAN	30		30*									300
BALTIC	30				30+							300
GREAT SOUTHERN	30						30+					300
TC960/70/60	96	24*		24*		24*		24*				960
INTERNATIONAL	144	36*		36*		36+				36+		1440

Legend: \* 60cm single spot Multi coloured target face.

+ 40cm single spot Multi coloured target face.

The TC900/65/60, SC600/55/60, FC600/55/60 & MC900/40/60, and Matchplay rounds are the only rounds which can be shot for World Championship Records, World Records and Regional Records. The other rounds are listed to give a variation of shoots, which members may shoot if they want to shoot something different.

World Crossbow Shooting Association Stars may be claimed at Registered Star and Verified events for rounds listed above under Schedule 1 - "Miscellaneous Rounds".