

SECTION EIGHT

3D ROUND

41 THE RANGE

41.1 Course Layout

- 41.1.1 WCSA 3D courses shall be laid out so that the shooting pegs and targets can be reached without undue difficulty, personal hazard or waste of time. Targets shall be laid out in such order as to provide a maximum variety and the best use of the available terrain.
- 41.1.2 WCSA sanctioned Crossbow events shall be conducted using 3D Animal Targets.
- 41.1.3 The WCSA 3D Round shall consist of 24 targets set at UNMARKED distances from a minimum of 5m up to a maximum of 50m for Target and Sporting Crossbows and 5m up to 30m for Medieval Crossbows. *Refer to clause 41.5.6 for target groups and distances.*
- 41.1.4 There shall be one peg placed at each shooting distance from the target. Each competitor will shoot one bolt only, one competitor at a time.
- 41.1.5 All pegs must be numbered with the number of the corresponding target.
- 41.1.6 All distances shall be measured in the air.
- 41.1.7 All targets will be numbered successively. The numbers shall be no less than 20 cm tall and shall be clearly visible and shall be located within the approach to the pegs for the targets. They shall also serve as a holding point for those competitors waiting to shoot.
- 41.1.8 There cannot be any special marks on the buttress or foreground that could be classified as points of aim.
- 41.1.9 Clearly visible direction signs indicating the route from one target to the next target must be located at strategic intervals to ensure safe and easy communication along the course.
- 41.1.10 Suitable barriers and signs shall be placed around the course, when and where necessary to keep spectators and non-competitors at a safe distance, without unnecessarily obstructing their view of the shooting.
- 41.1.11 Only those people with the appropriate accreditation shall be allowed on the course. Team Managers and other Team Officials are not permitted on the course unless at the request of and escorted by a Judge.
- 41.1.12 Championship courses should be newly laid-out and un-shot.
- 41.1.13 Courses must be ready for inspection by the Judges' Commission no later than two (2) days before the competition shooting is due to commence.
- 41.1.14 Course laying:
 - 41.1.14.1 Because WCSA 3D Round courses use natural terrain with trees and shrubs in the course layout, it is usually only the immediate vicinity which is in view. Therefore maximum safety precautions must be taken, both in the layout and in the shooting.
 - 41.1.14.2 Consider the path to and from the shooting pegs and targets and clearly mark them. Ensure that possible lines of bolt flight will not endanger competitors.
 - 41.1.14.3 Where possible, do not allow any path or another shooting stand to be visible from any other shooting stand, even if it is considered out of range.
 - 41.1.14.4 Consider the spectators when positioning buttresses. Targets must not be placed where a stray bolt could endanger the public.
 - 41.1.14.5 Targets should never be placed on the brow of a hill, where the landing of overshoots cannot be determined.
 - 41.1.14.6 When laying out the course, ensure that safe flight path is available for both left and right handed shooters, for light and heavy bows and for short and tall Arbalists.
 - 41.1.14.7 Course laying is an acquired skill. Organisers are advised to enlist the services of an experienced Field/3D Archery course layer when setting out a course for the first time.

41.2 Miscellaneous Equipment

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

- 41.2.1 Registration numbers to be worn by each competitor.
- 41.2.2 Equipment such as Field Telephones, two way radios and the like which are necessary for communication between officials.
- 41.2.3 A score board or some other such device with the competitor's name and/ or target number (e.g. 1A, 1B) to be used for displaying progressive total scores after each day.

41.3 Shooting Control and Safety

- 41.3.1 A competitor may not span or load a crossbow with a bolt, except when standing at the shooting peg.
- 41.3.2 While shooting is in progress only the competitor whose turn it is to shoot may be at the shooting peg. All other competitors shall remain at the holding position (Target number) with their equipment.
- 41.3.3 After a competitor has shot his/her bolts, he/she shall retire to the holding position (Target number) with his/her equipment.
- 41.3.4 No competitor or other person may touch the tackle of another without the owner/users consent.
- 41.3.5 A competitor shall not be disturbed or approached during shooting except in an emergency.
- 41.3.6 No competitor shall approach a target or go forward of the shooting peg unless all the competitors in the group have finished shooting the required number of bolts for that target.
- 41.3.7 To ensure the proper conduct of a tournament and in the interests of safety, the Judges may request a competitor to change his/her shooting position or join another target group. If the competitor considers the Judges' request to be unreasonable his/her appeal to the Jury of Appeal shall be heard prior to any change in position.
- 41.3.8 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) shall first caution the offender, and if the offence is repeated, may direct him/her to withdraw from the event.

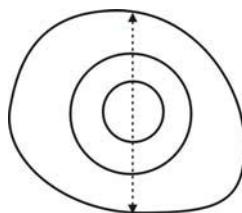
- 41.3.9 In the event of a competitor not being satisfied with a ruling given by the Judges, he or she may, except as provided for in rule 41.9.1 below, appeal to the Jury of Appeal according to rule 41.9. Trophies or prizes which may be affected by a dispute will not be awarded until the Jury ruling has been given.
- 41.3.10 Should a target become unreasonably worn or otherwise disfigured, or should there be any other complaint about range equipment, a competitor or his/her Team Manager may appeal to the Judges to have the defective item replaced or remedied.

41.4 Order of Shooting and Timing Control

- 41.4.1 Competitors shall shoot in groups of no more than four (4), but never less than three (3). Should the number of competitors exceed the course capacity, additional groups shall be formed and placed on the course as convenient. Groups shall be assigned by drawing competitor names from a container, provided that there are no more than two competitors from one country in the same group. The group and target assignment will be made by the Organising Committee.
- 41.4.2 Competitors shall wear registration numbers and be allocated targets and shooting positions indicating the order of shooting in each group. Shooters shall be designated 1A, 1B, 1C, 1D, 2A, 2B, 2C, 2D, etc.
- 41.4.3 To give each competitor a chance to shoot at a clear target, each group shall shoot in the order rotating as follows
- 41.4.3.1 For a 4 competitor group 1st target A,B,C,D – 2nd target B,C,D,A – 3rd target C,D,A,B, - 4th target D,A,B,C and continue rotating for the remainder of the targets.
- 41.4.3.2 For a 3 competitor group A,B,C, - B,C,A – C,A,B and continue rotating for the remainder of the targets.
- 41.4.4 ANY SHOOTING POSITION (e.g. standing, kneeling, lying) IS ACCEPTABLE BUT A MAJORITY OF THE BODY MUST BE BEHIND THE SHOOTING PEG AND SOME PART OF THE BODY MUST BE TOUCHING THE SHOOTING PEG DURING THE ACT OF SHOOTING.
- 41.4.5 Competitors shall shoot one (1) bolt at each target from the shooting peg.
- 41.4.7 Groups shall be assigned to start simultaneously from various targets and will complete the round at the target previous to one at which they started. Additional groups assigned to a target shall wait until the primary group on that target has shot and scored their bolts before proceeding. Groups shall be spaced out so as to avoid "bunching". Where there are more groups than target starting positions, the extra groups shall be queued on the last target and started by a Judge.
- 41.4.8 In the case of equipment failure, the order of shooting may be changed temporarily. In any event no more than one period of twenty (20) minutes in a days shooting shall be allowed to repair any equipment failure problem. The other competitors in the group shall shoot and score all their bolts in the Target before allowing any following groups to shoot through. If the repair is completed within the time limit, the competitor affected may make up any bolts remaining to be shot at that target.
- 41.4.9 Competitors in a group may allow other groups to "shoot through", provided that the Organisers or the Judges are notified.
- 41.4.10 A maximum time limit of two (2) minutes for **1 bolt** per target per competitor shall be allowed from the time the competitor takes his or her position at the peg, which he or she shall do as soon as it becomes available. Judges are required to time a competitor or a group who are causing undue delay in the competition. A Judge, having observed a competitor exceeding the time limit, shall caution him or her by a signed note on the scoresheet, indicating the time of the warning. For a second or subsequent warning during that stage of the competition, the competitor's highest scoring bolt at the target shall be forfeited.
- In exceptional circumstances the time limit may be extended by the Judges and/or Organising Committee.
- 41.4.11 Time warnings shall not be carried over from one stage of the competition to the next.

41.5 Targets and Distances

- 41.5.1 For the WCSA 3D Round animal figures with three (3) critical/vital area scoring zones (inner critical/spot, critical and vital) shall be used at unmarked distances. The very inner critical zone (also named spot) counts 11 points, the critical zone 10 points, the vital zone 8 points and the body of the animal 5 points (see scoring 41.7)
- 41.5.2 Targets should be positioned so they are distinguishable and the critical/vital area scoring zone unobstructed.
- 41.5.3 The animal figure scoring zones shall be that people with normal eyesight can see them clearly under normal daylight conditions at the relevant distances in the various target settings.
- 41.5.4 The target shall have an inner ring Critical scoring zone and a Vital scoring zone, the other scoring zone shall be the Body of the animal.
- 41.5.5 Targets not supplied grouped by the Manufacturer shall be grouped into numbered groups using the measurements listed in 41.5.6 and the method of measuring described below



Take the measurement vertically through the centre of the scoring zones as indicated with the dotted line.

Compare this measurement with the measurements listed in 41.5.6 and group the target accordingly.

- 41.5.6 This table indicates the number of targets at each group size and the distance variations allowed for the course per 12 target unit. Double this for the WCSA 3D Round (24 Targets). The spacing between targets is not specified, but must be such as to maintain safety.

SPORTING CROSSBOW			
Number of Targets	Group Number	Scoring Zone Size	Distance variation in metres
2	4	0 - 150mm (0-5 ⁷ / ₈ inches)	5 - 25
2	3	151 – 200mm (5 ¹⁵ / ₁₆ inches)	10 - 30
4	2	201 - 250mm (7 ²⁷ / ₃₂ - 9 ²⁷ / ₃₂ inches)	20 - 40
4	1	251 + mm (9 ⁷ / ₈ inches)	30 - 50
MEDIEVAL CROSSBOW			
2	4	0 - 150mm (0-5 ⁷ / ₈ inches)	5 - 15
2	3	151 – 200mm (5 ¹⁵ / ₁₆ inches)	10 - 20
4	2	201 - 250mm (7 ²⁷ / ₃₂ - 9 ²⁷ / ₃₂ inches)	15 - 25
4	1	251 + mm (9 ⁷ / ₈ inches)	20 - 30

41.6 Shooting

- 41.6.1 Practice facilities shall be made available to all competitors at the ground before commencement of the event and conducted under safety control. The targets for practice may be butts with printed animal faces attached, set between the minimum (5m) and the maximum (50m) distances.
- 41.6.2 When a round is shot over several days there shall be practice facilities available at the commencement of each day.
- 41.6.3 A bolt shall not be deemed to have been shot if
- the competitor can touch it, or would be able to touch it if the ground was reasonably level, with his/her bow without moving his/her feet from their position in relation to the shooting peg, 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.
 - the target falls over. In this case, the Judges will take whatever measures they deem necessary and compensate adequate time for shooting the relevant number of bolts.
Under no other circumstances shall a bolt be re-shot.
- 41.6.4 Shooters shall not discuss with one another the distances on the courses over the days of competition.
- 41.6.5 In the event of equipment failure the competitor shall step back off the shooting line (approx 0.5m) and call a Judge, the other competitors in the group should take a note of the time. The remainder of the group complete the shooting and scoring of that target then stand to one side and allow other groups to pass. The competitor will be allowed a maximum of 20 minutes from the time that they stepped back from the shooting line to make repairs and or replace broken equipment. Provided the repairs are completed within the 20 minutes they are then permitted to shoot any make up bolts on that target before moving to the next target with the group. Should the repair not be completed within the 20 minutes, the other competitors in the group may then continue shooting the next targets. When the repairs are completed the competitor may rejoin the group but cannot make up any targets missed. **Only one (1) equipment failure is permitted in a days shooting.**
- 41.6.6 A broken crossbow may be replaced with a spare, provided that it has been passed for equipment inspection. In such cases a Judge shall supervise the replacement or escort the shooter off the course, whichever is the quicker.
- 41.6.7 Except, as provided in clause 41.6.8 or in an emergency, no shooter shall leave the course until they have finished the round. Shooters shall take all necessary food, drinks and spare equipment with them.
- 41.6.8 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 20 minutes will be allowed for medical personnel to determine the problem and decide whether or not the competitor is fit to continue competing unassisted.
- 41.6.9 Should a group be held up due to an equipment failure or medical problem they will complete that target, move to one side and allow other groups to pass until the problem has been rectified or the 20 minute time allowed has passed.
- 41.6.10 During the act of shooting, a competitor shall have some part of the body touching the shooting peg **with the majority of the competitors body behind the peg.**

41.7 Shooting Stance and position

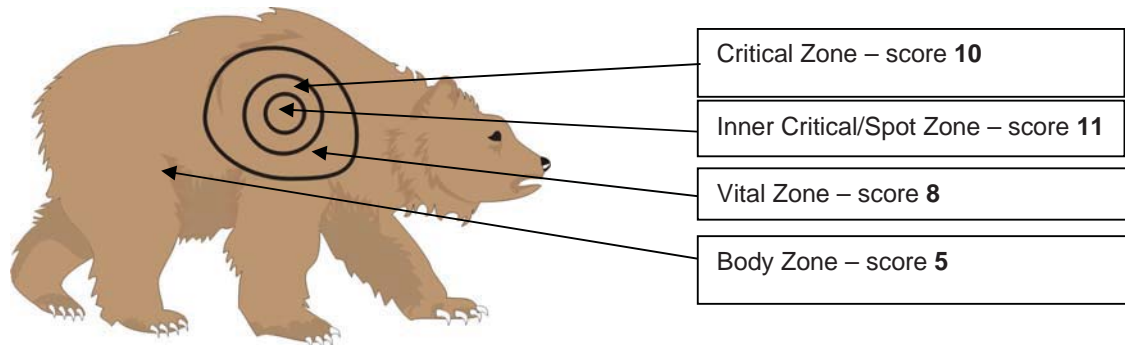
- 41.7.1 During the act of shooting The 3D Round:
- a physically capable competitor**, shooting to the general rules of shooting, shall by either standing in an upright standing position, kneeling or lying have the major part of the body behind the shooting line/peg with some part of the body touching the shooting peg.
The Bow must be supported wholly by the competitor. It cannot be supported on a stand nor can any part of the bow touch something other than the competitor to act as a support or steadier.
 - a physically handicapped competitor**, referred to as an Assisted Shooter, must shoot from a chair or stool in such a position that all of their body is behind the shooting line.
The Bow may be supported on an approved stand while being shot but it cannot touch anything else, (except the competitor) to act as a steadier. They must have an assistant. (refer to Section 1, Clause 31)

41.8 Scoring

- 41.8.1 Two competitors from each group shall be designated as scorers. These will normally be those shooters designated as A and B, and the score-sheets will be marked accordingly. Double scoring will be used.
- 41.8.2 Scoring shall take place at the target after all competitors in the group have shot their one (1) bolt.
- 41.8.3 Scorers shall enter on the score-sheet alongside the correct number of the target the value of each bolt as called out by the competitor to whom the bolt belong. Other competitors in the group shall check the value of each bolt

called.

- 41.8.4 Scorers shall compare their scores before the bolts are drawn. A mistake on the score-sheet discovered before the bolts are drawn, may be corrected (*refer clause 41.10.2*).
- 41.8.5 Neither the bolts nor the target shall be touched until all bolts on that target have been recorded and scores checked.
- 41.8.6 A bolt shall be scored according to the position of the shaft in the target.
- 41.8.7 A bolt cutting or touching the line marking the edge of a higher scoring zone shall be awarded the score of the higher zone
- 41.8.8 The very inner ring known as the inner Critical / Spot Scoring Zone shall score eleven (11) points.
- 41.8.9 The inner ring known as the Critical Scoring Zone shall score ten (10) points.
- 41.8.10 The outer ring known as the Vital Scoring Zone shall score eight (8) points.
- 41.8.11 The rest of the Body of the Animal (not including horns, antlers, hooves) shall score five (5) points, providing the bolt is held in the target.
- 41.8.12



- 41.8.13 Should a fragment of the target scoring zone line be missing then an imaginary continuation of the line shall be used for judging the value any bolt which may hit that part.
- 41.8.14 Bolts completely imbedded in the buttress and not showing on the scoring side can only be scored either by a Judge or the total agreement of all the competitors in the group. In the scoring by all the competitors they must all initial the score sheet stating their agreement to the score given.
- 41.8.15 Bolts rebounding from or passing completely through the buttress shall only be scored as follows:
- 41.8.15.1 If the majority of competitors in the group agree on the value of the bolt that has rebounded from or passed through, that bolt shall be scored as the agreed value.
- 41.8.15.2 If the majority of the competitors in the group cannot agree that a bolt has rebounded or passed through or cannot agree on its value, then that bolt shall be scored as a miss or a judge may be called for an independent decision.
- 41.8.16 A bolt hitting:
- 41.8.16.1 Another bolt and remaining imbedded there-in, shall score according to the value of the struck bolt.
- 41.8.16.2 Another bolt, and then hitting the target after deflection, shall score as it lies in the target.
- 41.8.16.3 Another bolt, and then rebounding, shall score the value of the struck bolt, provided that the damaged bolt can be identified.
- 41.8.16.4 A target other than the competitor's own target, shall not score.
- 41.8.17 **Score Validation:** At the completion of the course, score-sheets shall be signed by the scorers and the competitor, denoting that the competitor agrees with the values of each bolt. If the scorer is participating in the shooting, his/her score sheet shall be signed by another competitor in the same group. Competitors are responsible for the verification of their own score-sheets. Score-sheets shall be legible and complete. Duplicates shall not be issued for any lost, damaged or stolen score-sheets. Once the score-sheets have been handed in, they will not subsequently be changed. Any disagreement in scoring values between the score-sheets shall be recorded at the lower value.
- 41.8.18 Any shooter who alters or knowingly falsifies a score-sheet without authorisation shall be disqualified

41.9 Ties

- 41.9.1 In the event of a tie in score, the results shall be determined in the following order:
- 41.9.1.1 **For individuals:**
- The competitor, of those tying, with the greatest number of scoring hits.
 - If this is also a tie, then the competitor of those so tying with the greatest number of hits scoring ten (10) points.
 - If this is also a tie, then the competitor of those so tying with the greatest number of hits scoring ten (10) points.
 - If this is also a tie, then the competitors so tying shall be declared equal.
- 41.9.1.2 **For Teams:**
- The team, of those tying, having the competitor making the highest individual score.
 - If this is also a tie, then the team of those so tying having the competitor making the second

highest individual score.

- c) If this is also a tie, then the teams so tying shall be declared equal.

41.10 Questions, Disputes and Appeals

- 41.10.1 Any competitor may, if deemed necessary, refer any questions about the value of a bolt in the target to a Judge before any bolts are drawn. The ruling of that Judge shall be final. The competitor may not hold up the shooting unnecessarily.
- 41.10.2 A mistake on a score-sheet may be corrected before the bolts are drawn, provided that all competitors on the target agree on the correction. The correction shall be witnessed and initialled by all the competitors on the target. Any other disputes concerning entries on a score-sheet shall be referred to a Judge.
- 41.10.3 Should it be discovered that:
- the size of a target has been changed during the competition, or,
 - the position of a shooting post has been moved after shooters have already shot the target, or,
 - the target is or has become un-shoot able for certain Arbalists because of hanging branches, or other obstructions,
- that target shall be eliminated for the purpose of scoring for all competitors of the division involved, should an appeal be upheld. If one or more target(s) is disqualified, the remaining targets will be considered to constitute a full Round.
- 41.10.4 Should a target become unreasonably worn or otherwise disfigured or should there be any other complaint about course equipment, a competitor or his Team Manager may appeal to the Judges' Commission before the next stage of the competition.
- 41.10.5 Questions concerning the conduct of the shooting or the conduct of a competitor shall be lodged with the Judges before the next stage of the competition.
- 41.10.6 Questions regarding the daily published results shall be lodged without undue delay, and in any event must be lodged in time to allow corrections to be made before the prize giving.
- 41.10.7 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 clause 41.9.1 above, appeal through his or her Team Manager to the Jury of Appeal, in writing, before the beginning of the next stage of the competition. Trophies or prizes which may be affected by a dispute shall not be awarded until after the Jury has ruled on the dispute.

41.11 Jury of Appeal

For World Championships refer to Section 1, Clause 20,

- 41.11.1 A Jury of Appeal of three members shall be appointed by the Organising Committee. Persons participating in the Championships are not eligible for the Jury of Appeal. Members of the Jury of Appeal shall preferably be persons with experience and a good knowledge of the sport and rules. Where a Jury of Appeal has not been appointed, the Organising Committee shall assume this role.
- 41.11.2 Appeals must be presented, in writing, by Team Managers, or appellants if no Team Manager has been designated or they are individual member competitors. No appeal can be made against the value of a bolt. An intention to appeal when it might affect the progression of a competitor from one stage of the competition to the next must be expressed in writing and lodged with the chairperson of the Tournament Judge Commission within **15** minutes of the end of that stage. The written appeal must be lodged with the Jury in time to allow the Jury to come to a decision before the beginning of the next stage of the competition.
- 41.11.3 The Jury must be available at the Tournament grounds at all times during the Tournament or event (including the day of official practice) until thirty minutes after the end of shooting.
- 41.11.4 Jury decisions shall be minuted and submitted to the appellant, the Chairperson of the Tournament Judge Commission and the Organising Committee before the beginning of the next stage of the competition or before the awarding of prizes. The ruling of the Jury of Appeal shall be final.
- 41.11.5 **Protest Fee**
All appeals must be submitted in writing not later than one hour after the close of the days shooting unless it affects the next stage of a competition (*Refer 41.11.2*) and before any prize giving and be accompanied by a fee if one is applied by the Organising Committee (*for World Championships Refer to Section 1, Clause 20*). The fee applied shall be returned if the appeal is upheld and shall be retained by the Organising Committee if the appeal is lost.
- 41.11.6 Decisions made by the Jury of Appeal must be documented and submitted to the appellant, the Chairman of the Judges Commission and the Chairperson of the Organising Committee before the awarding, of prizes or the next stage of the competition as the case may be. This terminates the path of appeal.

41.12 Course Director

- 41.12.1 The Chairman of the Judges Commission will be in overall command of the 3D Round Course on the days of the competition.
- 41.12.2 Their responsibilities are:
- To ensure the Safety for both competitors and spectators
 - To organise getting competitors to their starting target as allocated by the Organising Committee
 - To organise and control the Judges Commission
 - To start the shooting
 - To address the competitors on any necessary items before they go on the course.

41.13 Judges

- 41.13.1 The Judges' duties are to ensure that the tournament is conducted according to the World Crossbow Shooting Association Constitution & Rules, and in fairness to all competitors.

41.13.2 Where possible at least one Judge for every 6 target butts in the 3D Round will be appointed. However there must always be a minimum of three judges. Their duties will be as follows:

41.13.2.1 They will;

- a) check all distances and the correct layout of the course;
- b) check the dimensions of targets;
- c) check that the correct size and group targets are installed for the correct distances,.
- d) check that all targets are set at the correct angle.
- e) check all the necessary venue equipment;
- f) check all competitors' equipment before the Tournament (time to be stated on the tournament program) and at any time thereafter during the Tournament,
- g) control the conduct of the shooting;
- j) to handle any disputes and appeals which may arise and, where appropriate, pass them on to the Jury of Appeal;
- k) in liaison with the Organising Committee, interrupt the shooting if necessary, because of weather conditions, a serious accident, or other occurrences, but to ensure if at all possible, that each day's program is completed on that day,
- l) consider relevant complaints or requests from Team Managers and where applicable to take suitable action. Collective decisions will be made by a simple majority of votes. In case of a tie, the Chairman will have a tie-breaking vote;
- m) deal with questions concerning the conduct of the shooting or the conduct of a competitor. These questions must be lodged with the Judges without any undue delay and in any event must be lodged before the prize giving. The ruling of the Judges or Jury of Appeal, as applicable, will be final.
- n) make sure that at no time will any equipment failure delay the tournament by more than **20** minutes.
- o) control that all competitors and officials conform with the World Crossbow Shooting Association Constitution and Rules as well as decisions and directives the Judges may find necessary to make. A competitor proved to have transgressed any rules and regulations knowingly may be ruled to be not eligible to participate and be eliminated and will lose any position he/she may have gained.