

SECTION SEVEN

FOREST ROUND

40 THE RANGE

40.1 Course Layout

- 40.1.1 WCSA Forest 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.
- 40.1.2 WCSA sanctioned Forest events shall be conducted using WCSA approved either 2-zone paper animal faces with 2 scoring zones or the equivalent 3D targets.
- 40.1.3 Two (2) pegs shall be placed approximately one (1) metre apart at each target shooting distance so that two competitors may shoot together, one from either side.
- 40.1.4 All pegs must be numbered with the number of the corresponding target and the distance when Marked distances are to be shot.
- 40.1.5 Distance tolerance from peg to target shall not exceed +/- 25 cm on distances of 20 metres or less, and shall not exceed +/- 50 cm on distances greater than 20 metres. All distances shall be measured in the air.
- 40.1.6 The buttresses shall provide for a margin of at least 1 cm outside the lowest scoring zone (s) placed upon it. In all cases, regardless of the slope of the terrain, the buttress should be located reasonably vertical, and none of the face shall be obscured from the shooters' line of sight.
- 40.1.7 All targets shall be numbered successively. The numbers shall be no less than 20 cm tall and shall be yellow on black or black on yellow 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.
- 40.1.8 Faces shall not be placed over any larger face, nor shall there be any marks on the buttress or foreground that could be used as points of aim.
- 40.1.9 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.
- 40.1.10 Suitable barriers and signs shall be placed around the course, when necessary to keep spectators and non-competitors at a safe distance, without unnecessarily obstructing their view of the shooting.
- 40.1.11 Only those people with the appropriate accreditation shall be allowed on the course. Team Managers and other officials are not allowed on the course.
- 40.1.12 Championship courses should be newly laid-out and un-shot.
- 40.1.13 Courses must be ready for inspection by the Judges' Commission no later than two (2) days before the competition shooting is due to commence.
- 40.1.14 Course laying:
 - 40.1.14.1 Because WCSA Forest 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.
 - 40.1.14.2 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.
 - 40.1.14.3 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.
 - 40.1.14.4 Consider the spectators when positioning buttresses. Targets must not be placed where a stray bolt could endanger the public.
 - 40.1.14.5 Targets should never be placed on the brow of a hill, where the landing of overshoots cannot be determined.
 - 40.1.14.6 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.
 - 40.1.14.7 Course laying is an acquired skill. Organisers are advised to enlist the services of an experienced Field course layer when setting out a course for the first time.

40.2 Miscellaneous Equipment

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

- 40.2.1 Registration numbers to be worn by each competitor.
- 40.2.2 Equipment such as Field Telephones, two way radios and the like are necessary for communication between officials.
- 40.2.3 A score board or some other such device with the competitor's name and/ or target number 1A, 1B may be used for displaying progressive total scores after each day's shooting.

40.3 Shooting Control and Safety

- 40.3.1 A competitor may not span or load a crossbow with a bolt, except when standing at the shooting peg.
- 40.3.2 While shooting is in progress only those competitors 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.
- 40.3.3 After a competitor has shot his/her bolts, he/she shall retire to the holding position (Target number) with his/her equipment.
- 40.3.4 No competitor or other person may touch the tackle of another without the latter's consent.
- 40.3.5 A competitor shall not be disturbed or approached during shooting except in an emergency.
- 40.3.6 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.
- 40.3.7 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 on the line 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.

- 40.3.8 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.
- 40.3.9 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 40.9.1 below, appeal to the Jury of Appeal according to rule 40.9. Trophies or prizes which may be affected by a dispute will not be awarded until the Jury ruling has been given.
- 40.3.10 Should a target face 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.

40.4 Order of Shooting and Timing Control

- 40.4.1 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 assignment shall be made by the Organising Committee.
- 40.4.2 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.
- 40.4.3 Each group shall shoot in details, rotating as follows:
 - 40.4.3.1 For a four person group, two competitors shall shoot at the peg, one on either side, rotating: first target AB-CD, the next target CD-AB then alternating for the remainder of the course.
 - 40.4.3.2 For a three person group, the order shall be: AB-C, C-AB, AB-C, etc.
- 40.4.4 The shooting position shall be with both feet behind an imaginary straight line parallel to the target face, with one of the archer's feet within 30cm of the post. The imaginary line shall be 1 metre in length each side of the post and be parallel to the target face.
- 40.4.5 Competitors shall shoot two (2) bolts at each target. Both bolts will be scored according to clause 40.8.8.
- 40.4.6 Shooting at Group 4 faces:

For the first detail the competitor on the left shall shoot at the top left hand face and the competitor on the right shall shoot at the top right hand face. For the second detail, the competitor on the left shall shoot at the bottom left hand face and the competitor on the right shall shoot at the bottom right hand face.
- 40.4.7 Shooting at Group 3 faces:

The competitors on the left will shoot at the face on the left **or top face** and the competitors on the right will shoot at the face on the right **or lower face**.
- 40.4.8 Competitors will shoot only one shot from each peg either in a walk-up or fan format.

Walk-up shots have 2 pegs at different distances and one bolt is shot from each peg starting at the peg farthest away from the target and moving forward to the next peg for the second shot.

Fan shots have 2 pegs set at the same distance but spaced out sideways starting with the competitors making the first shot from the left peg and then moving to the right to the next peg for the second shot.
- 40.4.9 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.
- 40.4.10 In the case of equipment failure, the order of shooting may be changed temporarily. In any event no more than thirty (30) minutes shall be allowed to repair any problem. The other competitors in the group shall shoot and score their bolts 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.
- 40.4.11 Competitors in a group may allow other groups to "shoot through", provided that the Organisers or the Judges are notified.
- 40.4.12 A time limit of five ~~(5)~~ (4) minutes for 2 bolts per target per competitor shall be allowed from the time the competitor takes his or her position at the first 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.
- 40.4.13 The time limit may be extended in exceptional circumstances.
- ~~40.4.13~~ 40.4.14 Time warnings shall not be carried over from one stage of the competition to the next.
- 40.4.15. Following the completion of the course by the first group, a 90 minute time limit will apply to all groups remaining on course. At the end of the 90 minute period, the course/shoot will be closed and all remaining groups on course will be escorted from the course by the judges. (refer 40.4.13)

40.5 Target Faces and Distances

- 40.5.1 *For* The Marked **and Unmarked** WCSA Forest Round *either* shall only use WCSA approved animal faces with two scoring zones **or the equivalent 3D targets shall be used**.
- 40.5.2 The faces consist of pictures (photographs/drawings/painting) of animals and shall be in such colours and contrast that people with normal eyesight can see them clearly under normal daylight conditions at the relevant distances in the various target settings. The pictures should be printed with a non-reflective medium on white background. Coloured picture faces **or 3D targets** must be used in the World Championships **where possible**.
- 40.5.3 The faces/**3D targets** shall have an inner ring and an outer body (hair) line.
- 40.5.4 The inner ring (heart/lung area being oval in shape) shall score twenty (20) points.

- 40.5.4 The outer (hair) line must closely follow the body contour or if there is no line the outline of the animal shall constitute this line. This shall score ten (10) points. Anything outside of the outer (hair) line is non-scoring.
- 40.5.5 To score the bolt must be inside and not touching the line marking the scoring zone.
- 40.5.6 Bolt score values = full value of the scoring zone hit.
- 40.5.7 There will be:-
- 4 Group 4 faces fixed **either** in the form of a square **or side by side** (1 for each competitor).
 - 2 Group 3 faces fixed **either** side by side **or one above the other** (1 for each 2 competitors).
 - Groups 1 & 2 only have 1 face fixed (used by all competitors).

Target Face groups and sizes:

Target sizes <i>(approximately)</i> (+ / - 30mm)	Inner ring size <i>(approximately)</i> (+ / - 30mm)
Group One 710mm (28 inches) x 1020mm (40 inches)	228mm (9 inches) x 368mm (14.5 inches)
Group Two 570mm (22.5 inches) x 725mm (28.5 inches)	177mm (7 inches) x 267mm (10.5 inches)
Group Three 360mm (14.25 inches) x 570mm (22.5 inches)	115mm (4.5 inches) x 177mm (7 inches)
Group Four 285mm (11.25 inches) x 360mm (14.25 inches)	64mm (2.5 inches) x 92mm (3.625 inches)

Target group and distance variation:

This **These** tables 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 Forest Round. The spacing between targets is not specified, but must be such as to maintain safety.

Target and Sporting Crossbows

Number of targets	Face diameter	Distance variation - metres
2	Group 4	8 to 15
2	Group 3	10 to 25
4	Group 2	20 to 35
4	Group 1	30 to 45

Medieval Crossbows

Number of targets	Face diameter	Distance variation - metres
2	Group 4	8 to 15 5 to 15
2	Group 3	10 to 25 10 to 20
4	Group 2	20 to 35 15 to 25
4	Group 1	30 to 45 20 to 30

40.6 Shooting

- 40.6.1 Practice facilities shall be made available to all competitors at the ground before commencement of the event and conducted under safety control.
- 40.6.2 When a round is shot over several days there shall be practice facilities available at the commencement of each day.
- 40.6.3 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 face or buttress 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. If the buttress only slides down it will be left to the Judges to decide what action to take, if any.
- 40.6.4 Under no other circumstances shall a bolt be re-shot.
- 40.6.5 Shooters shall not discuss with one another the distances on unmarked courses.
- 40.6.7 In the event of equipment failure the competitor shall step back off the shooting line (approx 0.5m) and call a Judge. The competitor will be allowed to shoot any make up bolts on that target after the equipment has been repaired/replaced before moving to the next target.
- 40.6.8 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 quicker.
- 40.6.9 Except as provided in clause 40.6.8, no shooter shall leave the course until they have finished the round. Shooters shall take all necessary food, drinks and spare equipment with them.
- 40.6.10 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 30 minutes will be allowed for medical personnel to determine the problem and decide whether or not the competitor is fit to continue competing unassisted.
- 40.6.11 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.
- 40.6.12 During the act of shooting, a competitor shall be wholly behind the shooting peg.

40.7 Shooting Stance and position

- 40.7.1 During the act of shooting the Forest Round:
- 1) **A PHYSICALLY CAPABLE COMPETITOR**, shooting to the general rules of shooting, shall, by standing in an upright standing position have both feet behind the shooting line/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 to act as a support or steadier
 - 2) **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/peg.
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 shall have an assistant. (refer to Section 1, Clause 31)

40.8 Scoring

- 40.8.1 Two competitors from each group shall be designated as scorers. These will normally be those shooters designated A and B, and the score-sheets will be marked accordingly. Double scoring shall be used.
- 40.8.2 Scoring shall take place after all competitors in the group have shot their bolts.
- 40.8.3 Scorers shall enter on the score-sheet alongside the correct number of the target and in descending order the value of each bolt as called out by the competitor to whom the bolts belong. Other competitors in the group shall check the value of each bolt called.
- 40.8.4 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 40.10.2).
- 40.8.5 Neither the bolts nor the target face shall be touched until all bolts on that target have been recorded and scores checked.
- 40.8.6 A bolt shall be scored according to the position of the shaft on the face. Bolts shot in the wrong target shall not score.
- 40.8.7 For a bolt to score the shaft must be completely inside the line marking the scoring zone. It must not touch the line.
- 40.8.8 Bolt score values = full value of the scoring zone hit.
- 40.8.9 Should a fragment of the target face be missing, including the dividing line or if the dividing line is displaced by a bolt, then an imaginary continuation of the line shall be used for judging the value any bolt which may hit that part.
- 40.8.10 Bolts imbedded in the buttress and not showing on the face may only be scored by a Judge.
- 40.8.11 Unless the bolt holes are suitably marked on each occasion when bolts are drawn from the target, bolts rebounding from or passing completely through the buttress shall not be scored except as follows:
- 40.8.11.1 If all the 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.
 - 40.8.11.2 If all the competitors in the group agree that a bolt has rebounded or passed through, but cannot agree on its value, then that bolt shall be given the value of the lowest unmarked bolt hole that can be found on the target face concerned.
 - 40.8.11.3 If all the competitors in that group cannot agree that the bolt has rebounded from or passed through, then that bolt shall not be scored and a Judge may be called.
- 40.8.12 A bolt hitting:
- 40.8.12.1 Another bolt and remaining imbedded therein, shall score according to the value of the struck bolt.
 - 40.8.12.2 Another bolt, and then hitting the target face after deflection, shall score as it lies in the target.
 - 40.8.12.3 Another bolt, and then rebounding, shall score the value of the struck bolt, provided that the damaged bolt can be identified.
 - 40.8.12.4 A target other than the competitor's own target face, shall not score.
- 40.8.13 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.
- 40.8.14 Any shooter who alters or knowingly falsifies a score-sheet without authorisation shall be disqualified

40.9 Ties

- 40.9.1 In the event of a tie in score, the results shall be determined in the following order:
- 40.9.1.1 **For individuals:**
 - a) The competitor, of those tying, with the greatest number of scoring hits.
 - b) If this is also a tie, then the competitor of those so tying with the greatest number of hits scoring twenty (20) points.
 - c) If this is also a tie, then the competitor of those so tying with the greatest number of hits scoring twenty (20) points.
 - d) If this is also a tie, then the competitors so tying shall be declared equal.
 - 40.9.1.2 **For Teams:**
 - a) The team, of those tying, having the competitor making the highest individual score.
 - b) 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.

40.10 Questions, Disputes and Appeals

- 40.10.1 Any competitor may 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.
- 40.10.2 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.
- 40.10.3 Should it be discovered that:
- a) the size of a target face has been changed during the competition, or,
 - b) the position of a shooting post has been moved after shooters have already shot the target, or,
 - c) the target is or has become non 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.
- 40.10.4 Should a target face 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.
- 40.10.5 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.
- 40.10.6 Questions regarding 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.
- 40.10.7 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 40.10.1 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.

40.11 Jury of Appeal

For World Championships refer to Schedule 1, clause 20,

- 40.11.1 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.
- 40.11.2 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.
- 40.11.3 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.
- 40.11.4 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.
- 40.11.5 **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 40.11.2*) 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.
- 40.11.6 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.

40.12 Course Director

- 40.12.1 The Chairman of the Judges Commission will be in overall command of the Forest Round Course on the days of the competition.
- The responsibilities are.
- a) To ensure the Safety for both competitors and spectators
 - b) To organise getting competitors to their starting target as allocated by the Organising Committee
 - c) To organise and control the Judges Commission
 - d) To start the shooting
 - e) To address the competitors on any necessary items before they go on the course.

40.13 Judges

- 40.13.1 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.
- 40.13.2 Where possible at least one Judge for every 6 target butts in the Forest Round will be appointed. However there must always be a minimum of three judges. Their duties will be as follows:
- 40.13.2.1 They will;

- a) check all distances and the correct layout of the course;
- b) check the dimensions of target faces and target butts;
- c) check that the faces are set at the correct height from the ground.
- d) check that all butts 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 **30** 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.