



IAU COMPETITION RULES FIELD CROSSBOW 2005

Art. 316 FIELD EQUIPMENT SPECIFICATIONS

- 316.1 **Target Butts:** Shall be so designed as to effectively stop bolts without pass-through and without causing undue damage to bolts.
- 316.1.1 **Outdoor Butts:** May be either round or square with a side length or diameter between 85 and 128 cm.
- 316.1.2 **Indoor Butts:** May be either round or square with a side length or diameter of 128 cm maximum, or a continuous wall of appropriate material.
- 316.2 **Butt Stands:** shall be so designed as to ensure that the centre of the butt is 130 cm (± 5 cm) from the ground and be capable of supporting the butt at an angle of between 10 and 15 degrees from the vertical.
- 316.2.1 Stands shall be securely pegged-down with butts being secured to the stands so as not to be blown over by wind gusts.
- 316.3 **Butt (Target) Numbers:** Shall be 30 cm square and shall be black on a yellow background alternating with yellow figures on a black background (e.g. N° 1 black on yellow, N° 2 yellow on black). Numbers shall be affixed in accordance with Art. 314.1.5. A point on the shooting line directly opposite each butt shall be marked and numbered corresponding to that butt. Such points shall be located in the ground 2 metres in front of the shooting line facing the competitors. For indoor competitions these numbers will be placed 1 metre in front of the competitor and taped to the floor.



IAU COMPETITION RULES FIELD CROSSBOW 2005

- 316.4 **Wind Indicator Flags:** shall be made from any light coloured material (such as yellow) which contrasts with the general background behind butts, and shall be suspended from a 'T'-Pole placed over the centre of each outdoor butt in accordance with (Art. 314.1.6). The dimensions of such wind indicator flags shall be specified in Figure 316.1.
- 316.5 **Visual Time Control System (WTCS):** At **WC, RC, IC** and **CE** one of the following visual time control system shall be employed:
- 316.5.1 **Time Control Plates:** The plates must not be less than 120 cm by 60 cm 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 plate shall be striped with 20-20 cm wide stripes, alternating in black and yellow. The stripes shall be at an angle of about 45 degrees to the ground. The reverse side shall be solid yellow.
- 316.5.2 **Time Control Lights:** The colours shall be **RED, AMBER (YELLOW) and GREEN** in that order with **RED** the uppermost colour. Lights located on the shooting field must be synchronised and at no time shall two (2) different colours be shown at the same time. Lights may be linked with an acoustic signal (whistle, siren or hooter) to operate electronically, but also must be able to be manually overridden as and when the need arises. Back-up manual time control devices (Plates) as per Art. 316.5.1 shall also be available in case of electrical power failure or malfunction. Refer Art. 321.2.2 for signal hierarchy.



IAU COMPETITION RULES FIELD CROSSBOW 2005

316.5.3 **Clock Control:** Digital clocks shall have figures (displays) not smaller than 30 cm in height and must be readable from a distance of 180 metres. They must incorporate facilities to be stopped and reset and shall operate on the count-down principle. Alternatively, analogue clocks may be used with circular and a single clockwise moving hand. The faces shall be painted with Red, Green and Amber coloured sectors. The time for the clock to describe one full revolution shall be three (3) minutes and twenty (20) seconds, with each colour being swept for the following times:

RED	20 seconds
GREEN	2 minutes 30 seconds
AMBER	30 seconds

The junction of the **RED and GREEN** shall be at the 12 o'clock position. The clock shall be clearly readable from a distance of 180 metres. Back-up manual time control plates shall be available in case of clock failure.

316.5.4 Time Control Devices shall be set out in accordance with (Art. 314.1.8).

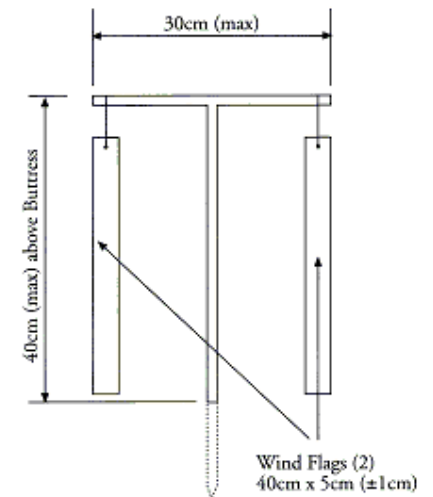
316.5.5 In the event of a difference between the visual signal and the audible, the **AUDIBLE** signal shall take precedence. Refer to SAFETY (Art. 332.3).

316.6 **Miscellaneous Equipment:** The following equipment is mandatory at **WC** or **RC** and is recommended in relation to importance of other competitions:



IAU COMPETITION RULES FIELD CROSSBOW 2005

Figure 316.1 Wind Indicator Flag Specification
(Refer to Art. 316.4)





IAU COMPETITION RULES FIELD CROSSBOW 2005

- 316.6.1 **A-B Boards:** Where shooting takes place in two (2) relays, a device to indicate the order of shooting: **A-B; B-A; A-B, etc.** The letters shall be large enough to be read by all competitors from their shooting positions. Two or more such devices may be needed. The background size shall be no less than 60 cm x 60 cm and the letters shall be no less than 40 cm high with alternating Colours black and yellow, i.e. the “**A**” should be yellow on black and the “**B**” should be black on yellow.
- 316.6.2 **Signal Flags:** Red coloured hand flags shall be provided for each target such that competitors at the target and competitors at the shooting line can signal for a Judge in the event of a dispute or equipment failure, respectively. Two (2) such flags shall be provided per target. The flags should be at least 40 cm long x 25 cm high, secured to a suitable handle.
- 316.6.3 **Field Equipment Specifications for Finals Event:** Refer to Finals Rules Art. 350.