



**FINAL INTERNATIONAL
UNIVERSITY**

ARCHERY

PESP371

4th Week

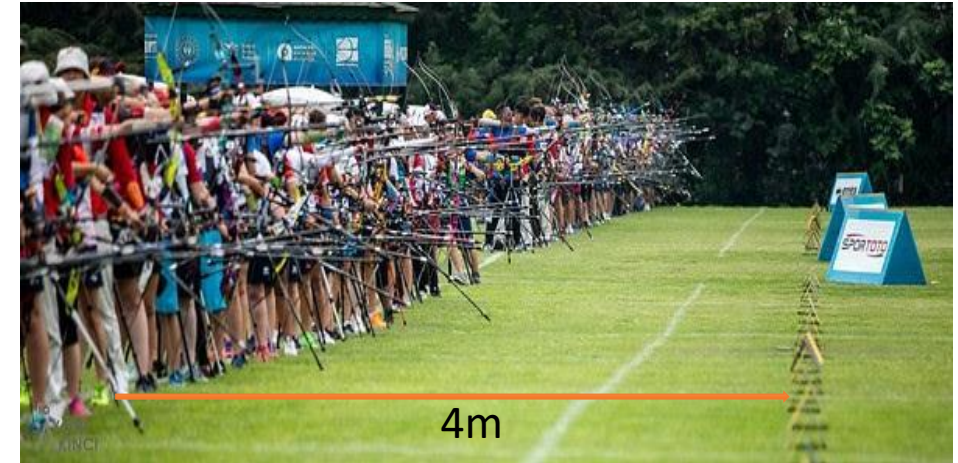
EQUIPMENTS AND FIELD LAYOUT

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International and Turkish National Archery Judge

Control of the Competition Area

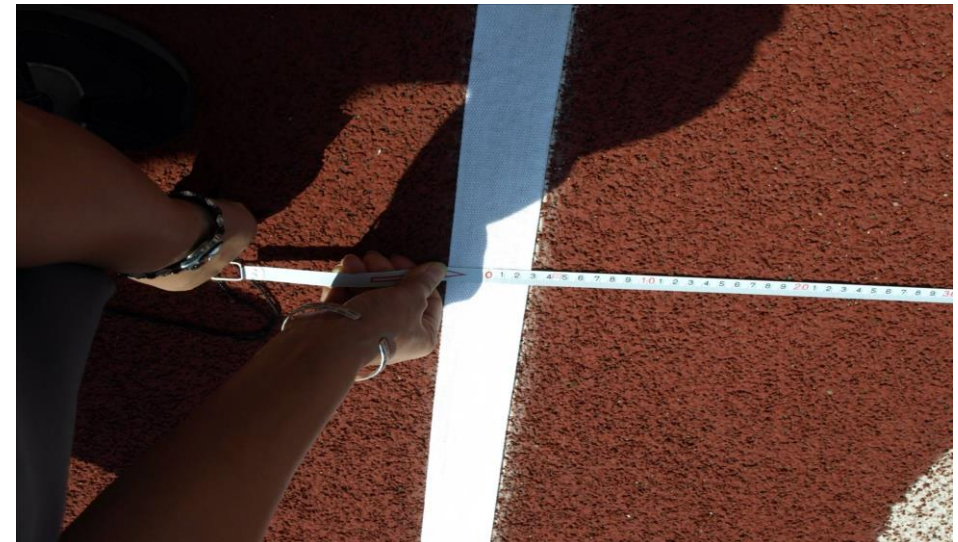
Target Numbers :

Target numbers are placed **4 meters forward from the shooting line.**



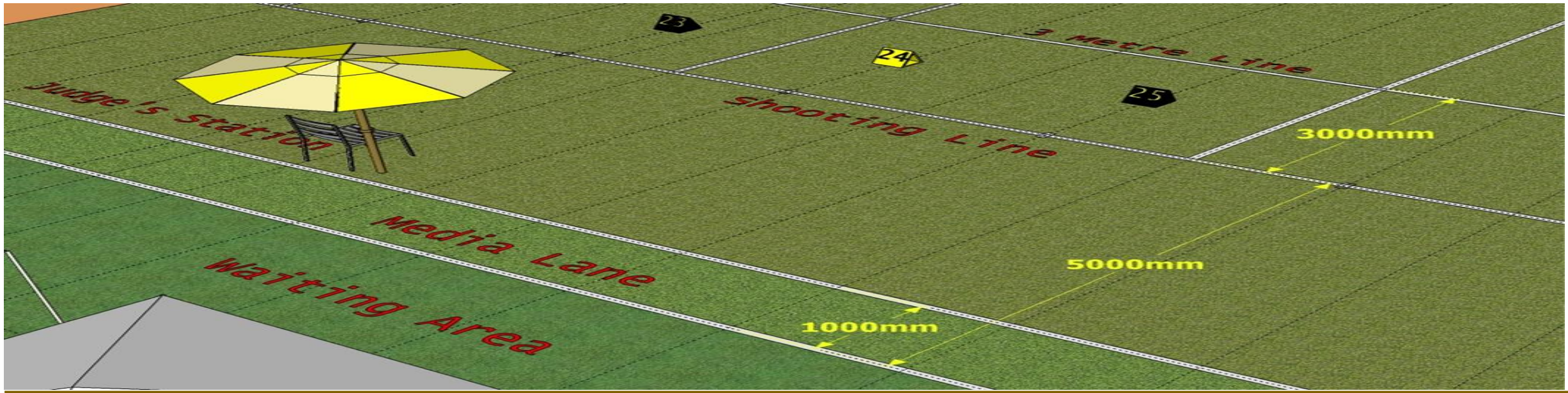
Lines:

- Field lines, distances, etc. When checking measurements, **all distances (except the 3 meter line) are measured from the center of the lines.**



Field Distances, Lines and Lanes

- Distance between the waiting line and shooting line shouldn't be less than 5 meters.
- No equipments should be in the Media lane.



Field Distances, Lines and Lanes

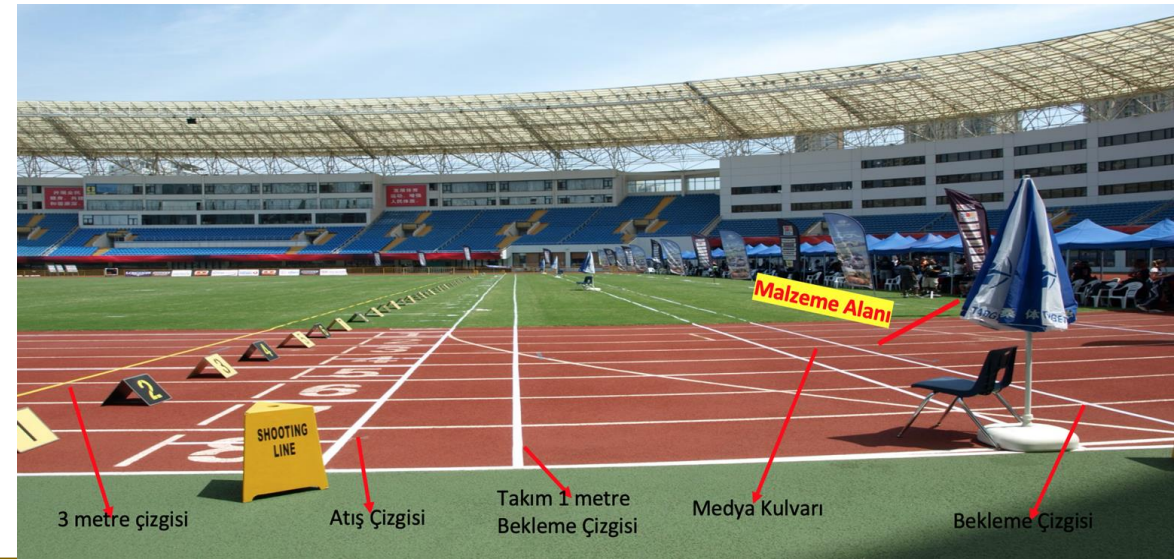
3 meters line:

- **3 meters must be measured from the middle of the shooting line to the end of 3 meters line.**
- **It should be inside the 3 meters area.**
- No tolerance for 3 meters line



Athlete Material Area:

- It should be 3 meters wide.
- Is used only for the Archers' equipment



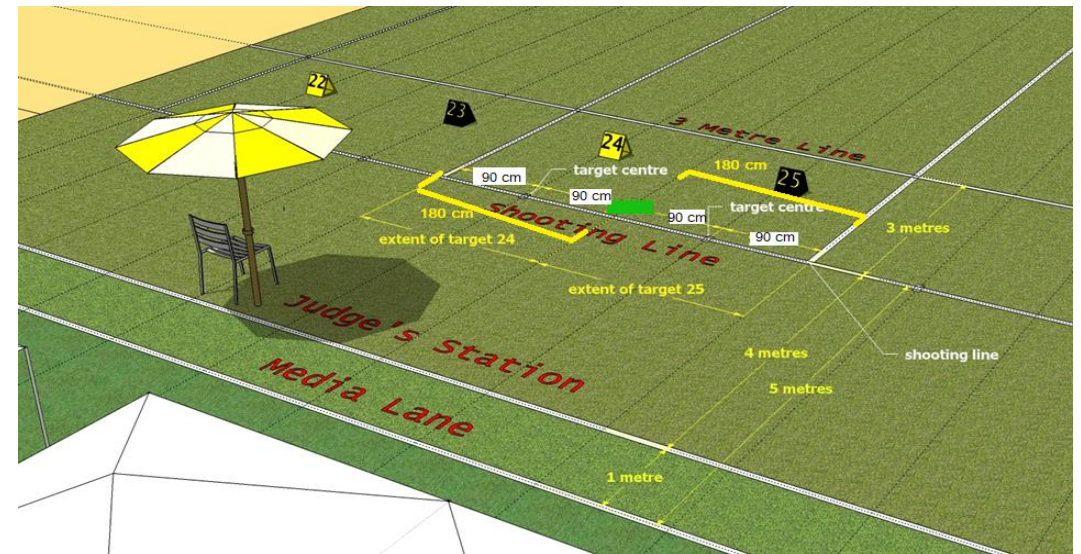
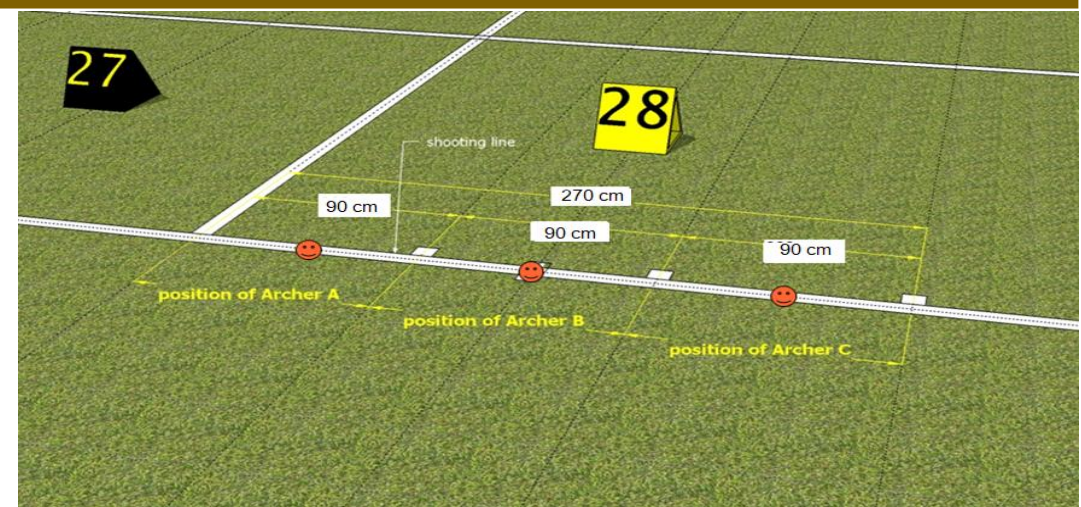
Typical Course Layout for Outdoor Archery Competitions

Open Field Competitions ;

2 athletes per target. If crowded 3 athletes per target will be appointed And for each athlete there should be 90cm space on the line **(ABC format)**.

If there are more athletes on the field and not enough targets ;

4 athletes can be on a target. And for each athlete there should be 90cm space on the line. **(AB-CD format)**.



Distances _ & Tolerances

Outdoor:

- 90m, 70m, 60m \pm **30cm**
- 50m, 40m, 30m \pm **15cm**
- Wait line \geq **5m**
- Athlete Shooting Area \geq **90 cm**
- Time Devices $<$ **30m**

Indoor:

- 25m \pm **10cm**
 - 18m \pm **10cm** _
 - Wait line \geq **3m**
 - Athlete Shooting Area \geq **80 cm**
 - Time Devices $<$ **18m**
-

Field Distances, Lines and Lanes

Outdoor:

Waiting line $\geq 5\text{m}$

1 meter line (team matches for) minimum **3 cm wide** workpiece

Shooting line

(every athlete minimum 90cm for shot area)

✓ 3 meters line

3 meters of the area inside (if possible different in color)

✓ Target lines

- **Max 4 targets**
- **width of 180 cm (for each target)**
- **Toilets minimum 5 m**

Indoor:

Waiting line $\geq 3\text{m}$

1 meter line (team matches for) minimum **3cm width**

Shooting line

(every athlete minimum 80cm for shot area)

✓ 3 meters line

3 meters of the area in (if possible different in color)

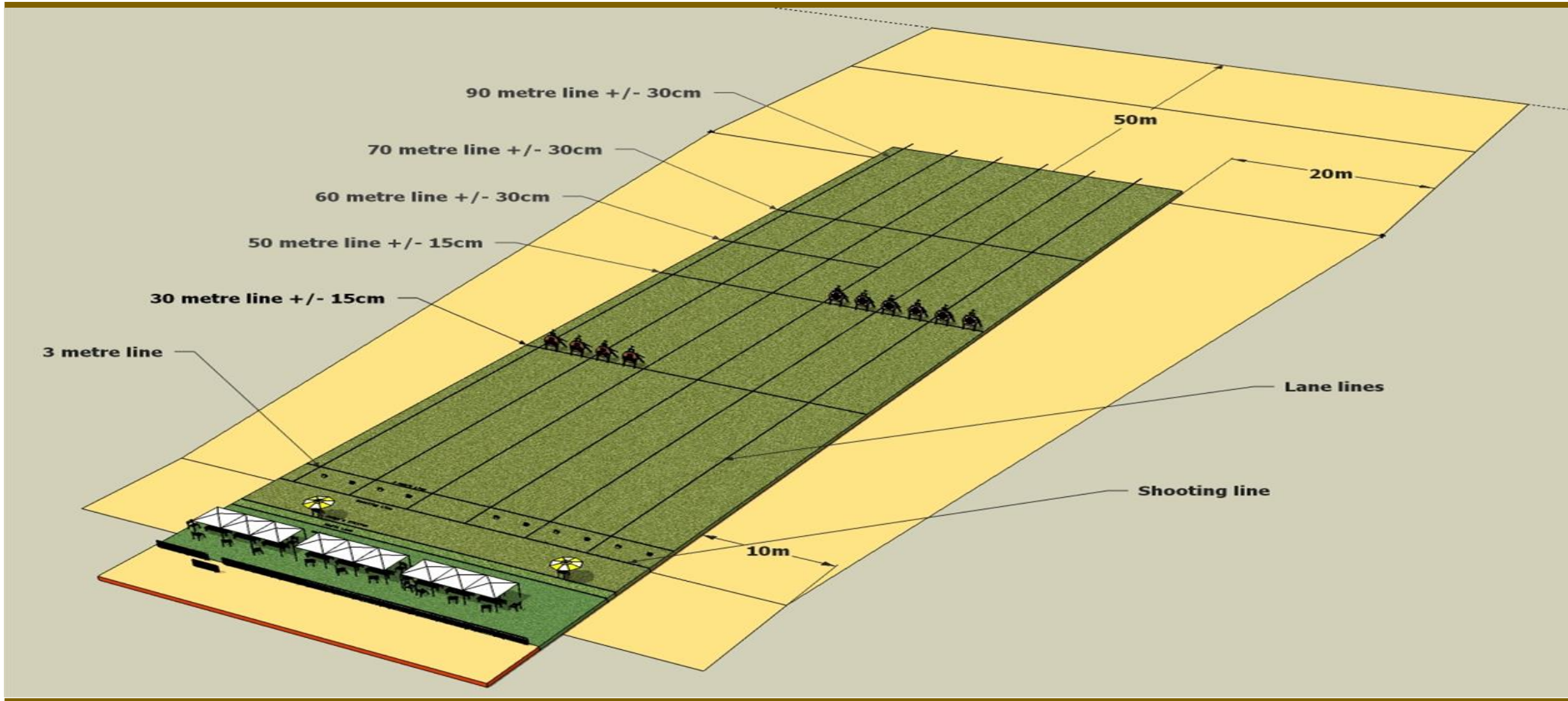
✓ Target lines

- **Maximum 2 athletes**
- **Minimum width of 160 cm (for each target)**

World Archery Federation (WA) Rule Book 2's recommendations in accordance with all security aspects

- **There should be a safe space left 10 meters from both sides of the shooting line And minimum 20 meters on thhe target direction.**
 - Behind the targets there should be **minimum 50 meters in the open field.**
 - Behind the field there should be a fence (3 meters of a **net/ wall etc. _**) must be present.
 - There shouldn't be access for people behind the target area
-

Safety Aspects of the Competition Site

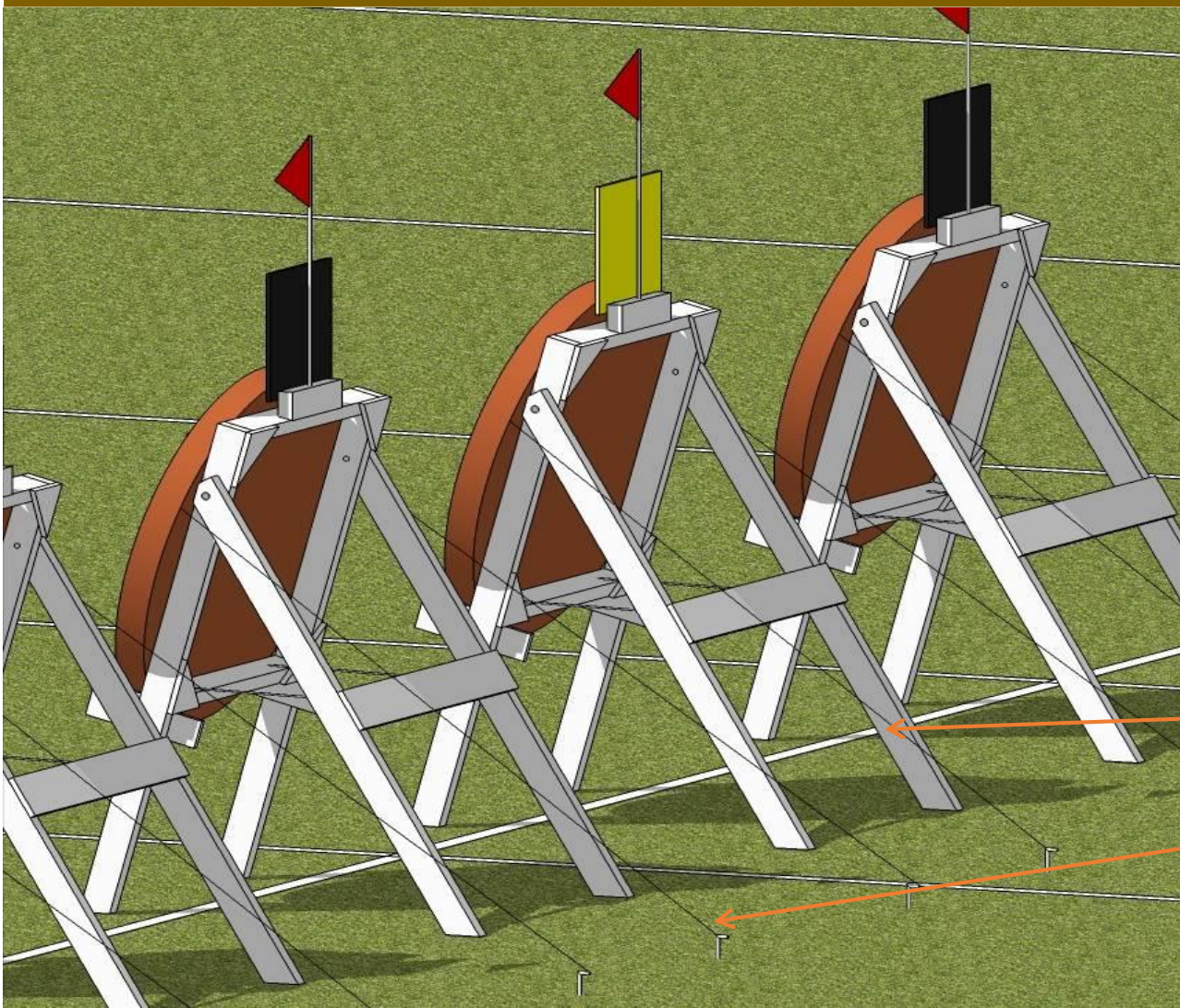


Safety Aspects of the Competition Site



Audience Barrier ;
There should be a barrier for
the spectators at least 10m
behind the waiting line

Safety Aspects of the Competition Site



Target Buttress;

- Square or round
- At least **124cm** wide .
- Targets should be mounted properly. Must be durable and fixed on the ground

each target;

- Open field **10 – 15 degrees angle**
- Indoor **0 - 10 degrees angle between**
- All targets should be tuned at the same angle.



- All target papers should be seen in harmony from the shooting line. Center must be 130cm high from the ground
 - Never fix the pins on the scoring zone of the target faces
-

Safety Aspects of the Competition Site - Outdoor

Minimum Ø 124 cm round or square _

Installation : 10° - 15° degrees

Fixed on the ground

Center : 130 cm

- **Open Area +/- 5cm**

Numbers

Black /Yellow

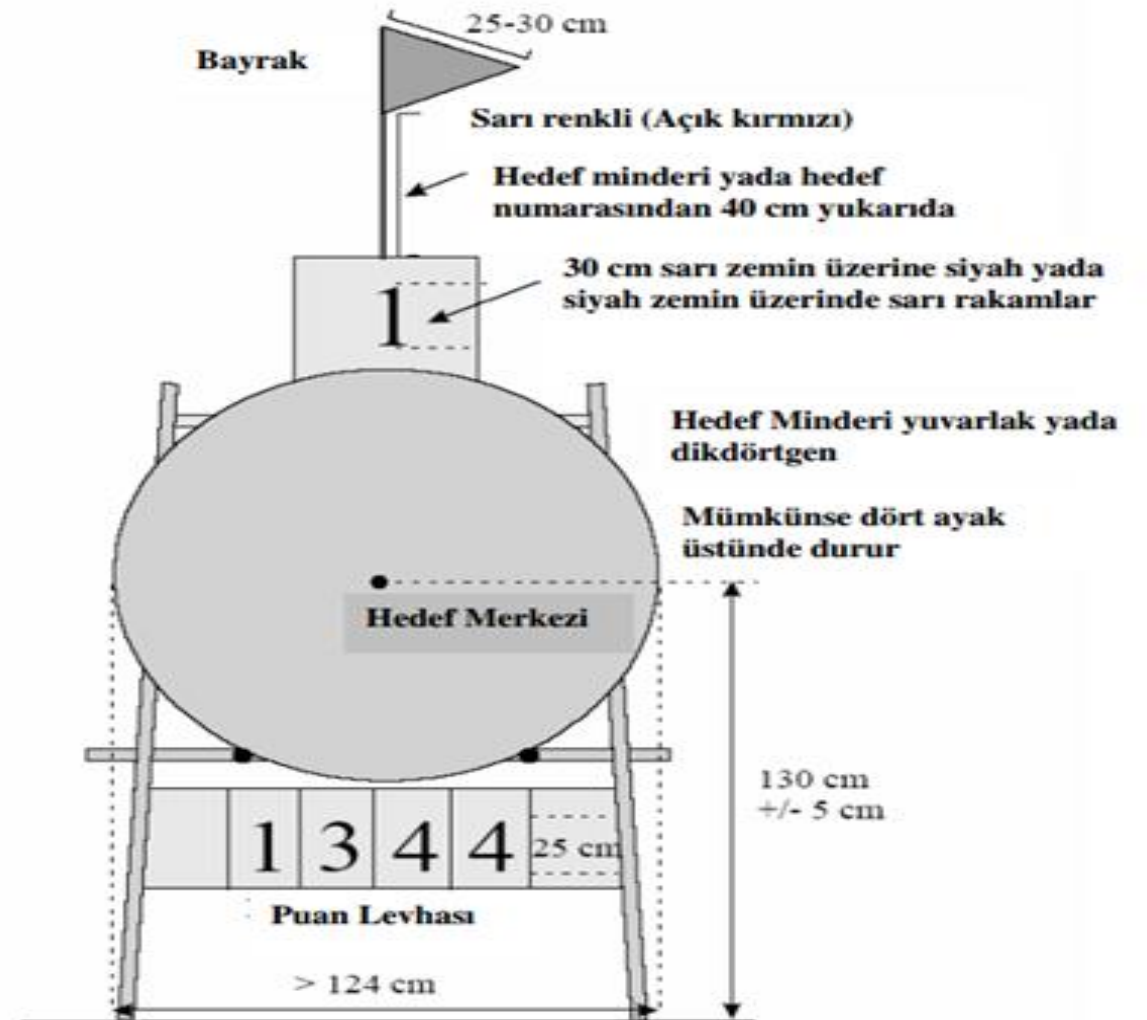
Yellow/ Black

Numbers min. 30cm

Wind flags

40cm above from the targets and 25-30 cm in size

Scoring Panels : Minimum 25 cm



Safety Aspects of the Competition Site - Indoor

Minimum \varnothing 124 cm round or square _

Installation : Hall: 0° - 10° degrees

Targets fixed on the ground

Center : 130 cm

- **Closed area +/- 2cm**

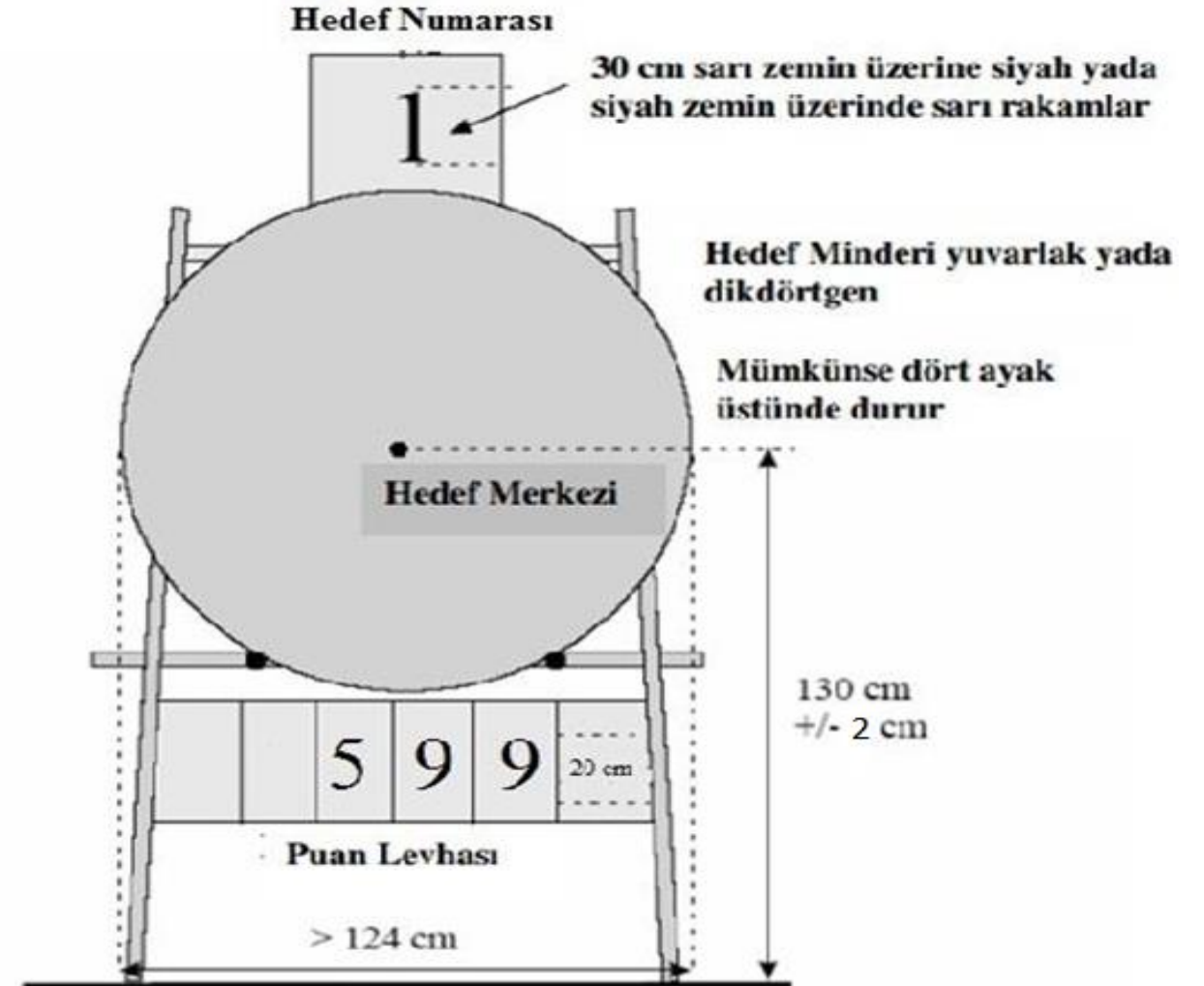
Numbers

Black /Yellow

Yellow/ Black

Numbers min. 15cm

Scoring Panels : Minimum 20 cm



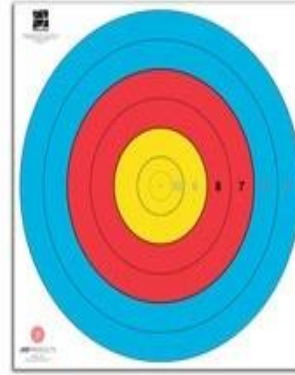
Competition Field Equipment Measurement Tolerances



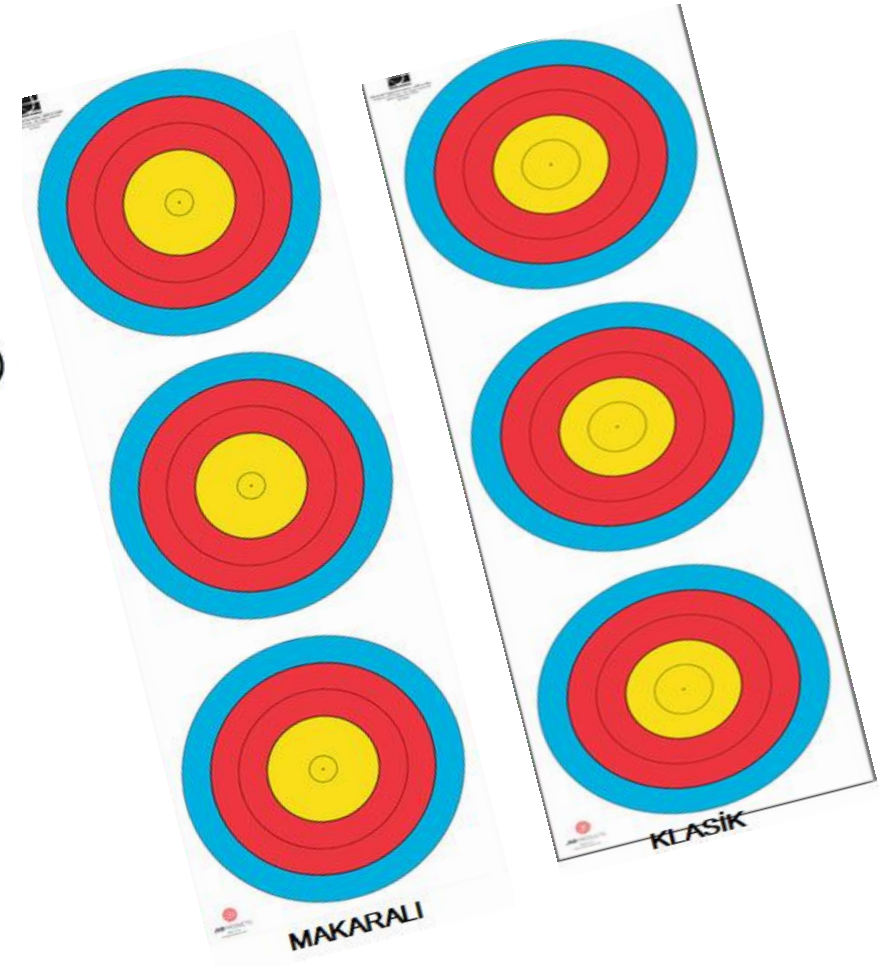
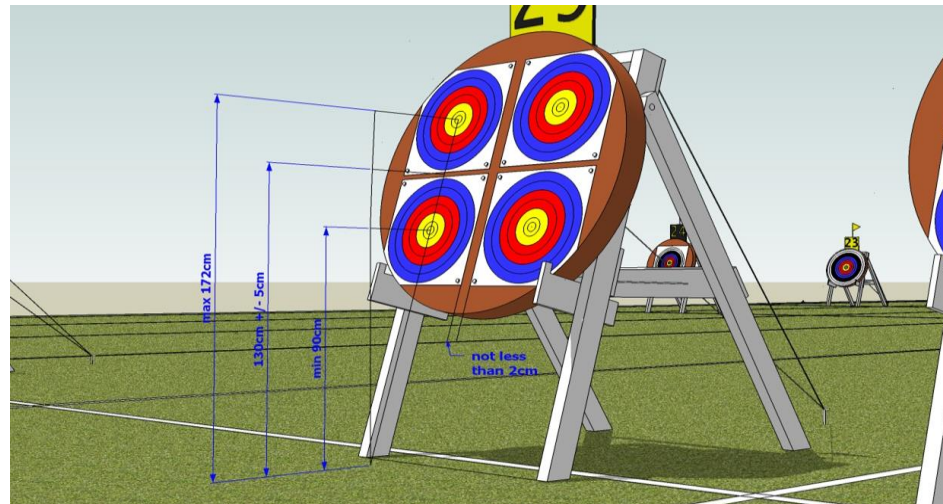
122 cm



80 cm, 5 halkalı, 6-10 puanlama



80 cm (6 halkalı, 5-10 puanlama)



In Open Air Outdoor Archery Competitions;

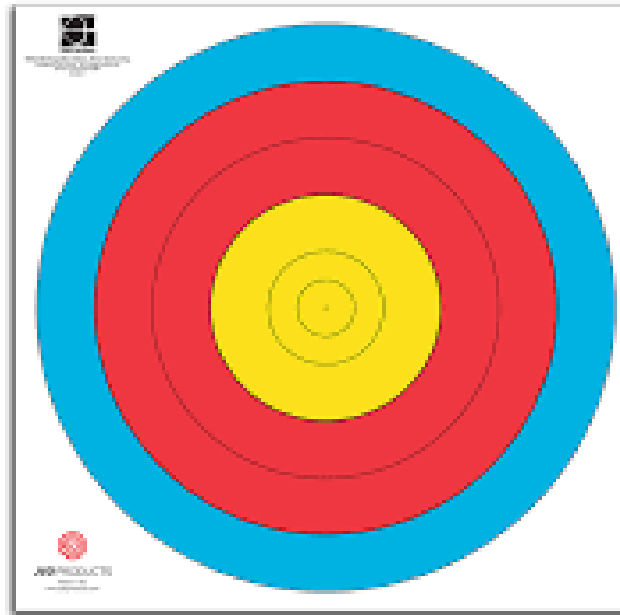
90 - 70 - 60 meters at distances \Rightarrow 122 cm, 10 rings , 1-10 scoring area aim face

50 - 30 meters at distances \Rightarrow 80 cm, 5 rings , 6-10 scoring area aim face

Compound bow (50 meters) \Rightarrow 80 cm, 6 rings , 5-10 scoring area aim face is used .



122 cm



80 cm, 5 halkalı, 6-10 puanlama



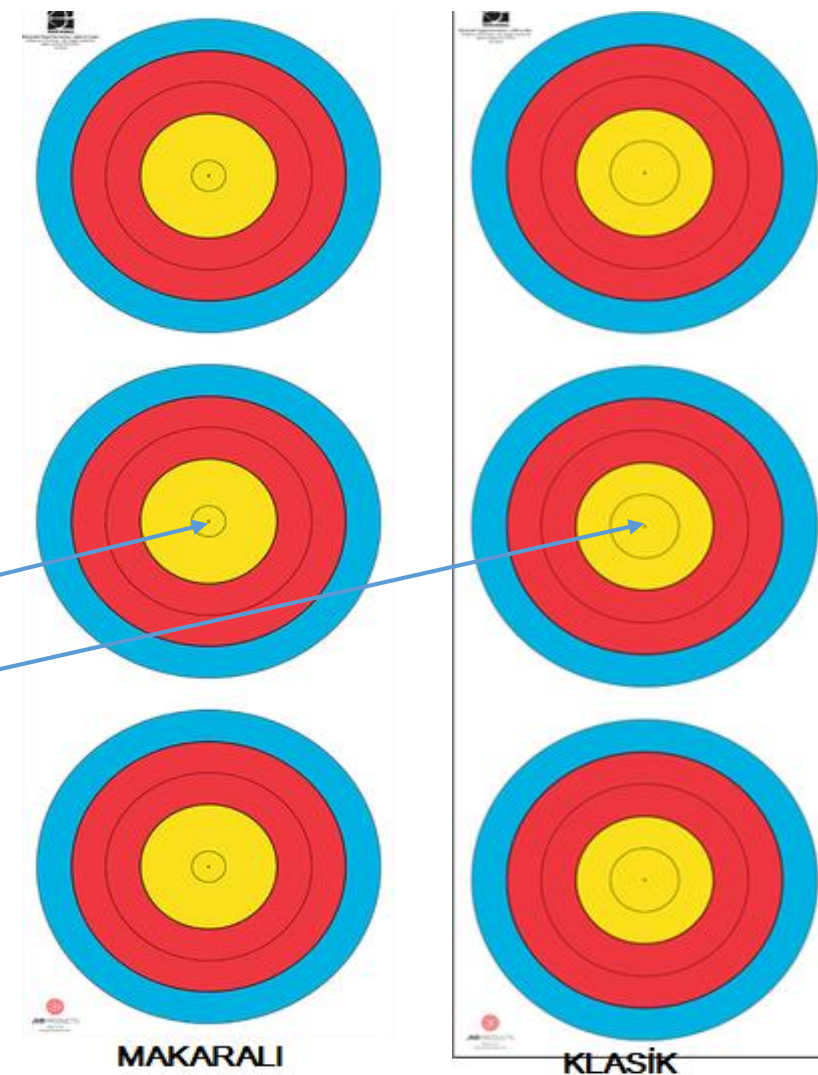
80 cm (6 halkalı, 5-10 puanlama)

In Indoor Archery Competitions;

18 meters distance \Rightarrow any category

10 rings in the Roller Spring category From the classic bow category more It is **small (half)** size .

Diameter (Roller 2 cm, Classic 4 cm)



Target Faces



122 cm



80 cm



60cm



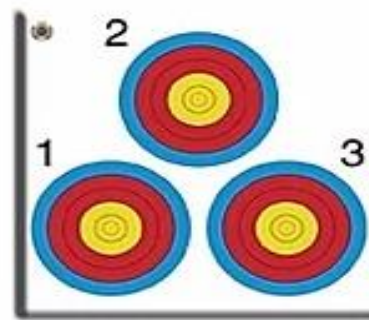
40 cm



80 cm / 6 rings



80 cm / 5 rings



Fita Triangle Target



Triple Target Face

World Archery Licensed Target Faces Manufacturers

8 manufacturing companies;

AVALON (WAIST)

Geologic (FRA)

JVD Distribution (NED)

Krüger Targets (GER)

maple leaves Press (USA)

FIVICS Archery (KOR)

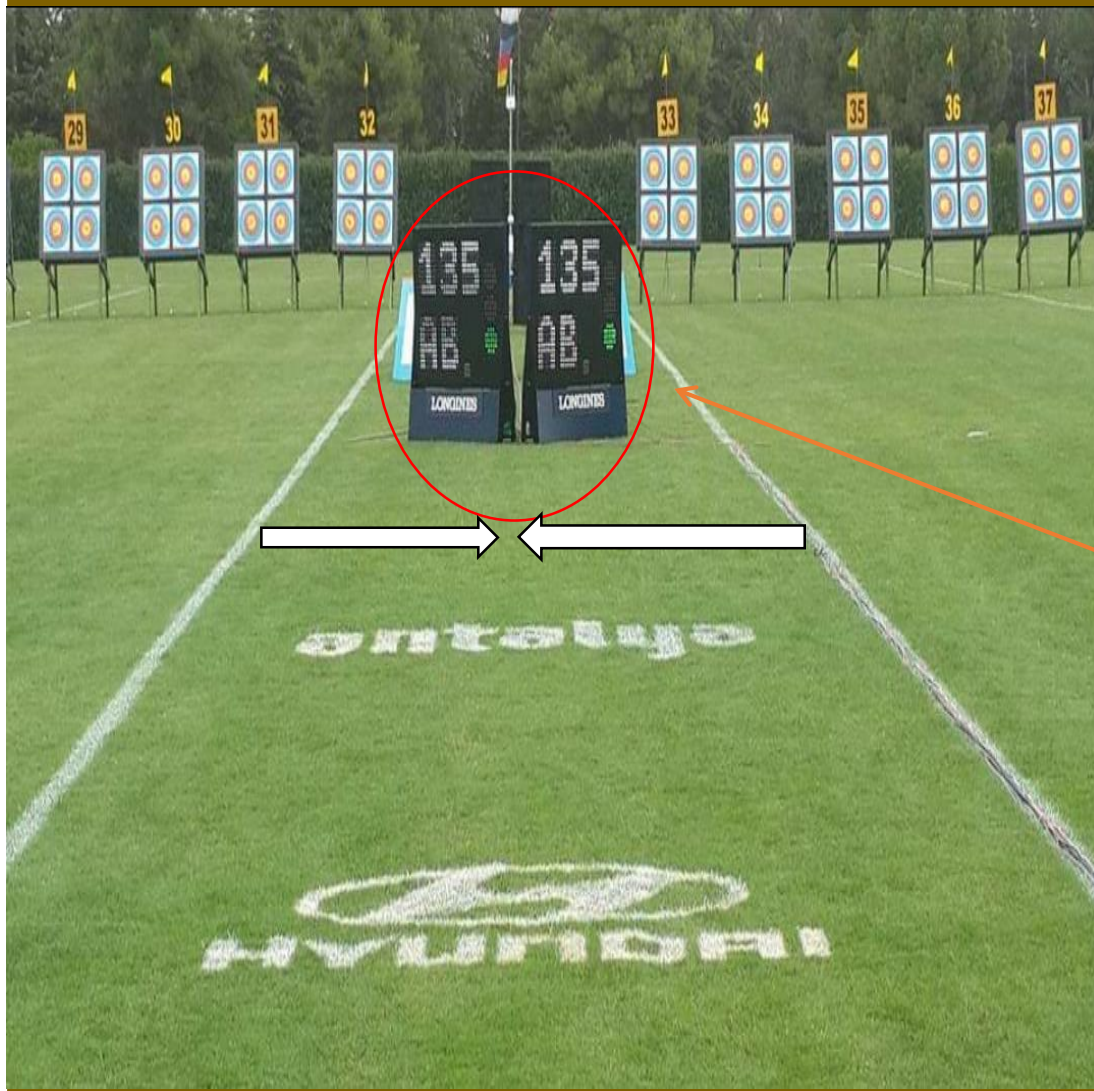
Arrowhead (Temple) (GBR)

DECUT (CHN)



Timing Equipment

Digital hour is not there or is malfunctioning in cases the referee whistle and flags follow-up will be



- Time Control device ;
 - *If there is a difference between the visual audio devices audio device will be valid.*
- Digital Clock ;
 - If both lights and digital clock should be synchronous.
 - **If there is difference between the lights and digital clock. Digital clock is valid.**
 - Digital clocks could be on both sides of the field. If possible another one can be replaced just in the middle (center of the field) Both right-handed and left-handed on the line easily can see .
 - Digital clocks should be not more than 30 meters distance from the shooting line

Wind Roses - Outdoor Equipment

- There should be official World Archery **2.5 - 3.5 meters tall** 3 WIND ROSES replaced on the field.



Outdoor space

There should be sufficient number of chair, bank, umbrella behind the waiting line for all athletes , team officials , coaches and other officers.



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