



**WCSA**

**Judges Seminar**

**Competitor  
Equipment &  
Inspection**

**Mark Goodyer**

# 2020 WCSA Judges Seminar



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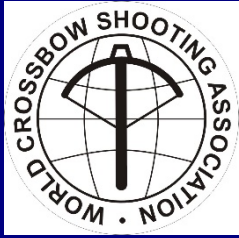
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**Competitor Equipment & Inspection.**



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## Why Equipment Inspections.

- Ensure compliance with the latest Shooting Rules.
- Ensure fairness for all.
- Ensure equipment is safe and in good maintained order.
- Ensure standards of dress.



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## Judges Inspection Equipment.

- List of competitors detailing –  
Name, Country, Bow type, Division and Age group etc.
- Copy of the current Shooting Rules and Equipment Check list.
- Momentum Calculator and or Momentum Chart.
- Equipment control stickers.
- Tape measure.
- Scales to check mass weight.
- Two Judges together to conduct any inspection.



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## Equipment Inspection Timing.

- Equipment Inspections may be carried out at any time during the event.
- Traditionally Official Practice day in Team groups.
  - Can be time consuming at large events.
- Optionally on the Shooting Line at the Official Practice day.
- Spot checks may be conducted throughout the competition as required.
  - Ensure you are seen to be spot checking during the competition.



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## Inspection details.

- Identify the crossbow type presented for inspection.

There are four crossbow types.

- Target Crossbow.
- Standard Sporting Crossbow.
- Freestyle Sporting Crossbow.
- Medieval Crossbow.





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### **Target Crossbow Inspection details.**

- Generally handmade.
- Recurve prod limited to max 43kg (95lb) draw weight.
- Prod width when strung – max 910mm.
- Mechanical trigger.
- Working Bolt retainer on tracked style crossbow.
- Open sights with no magnification on any lens.
- Sight radius to be max 720mm from front element to rear element.
- Clean draw to be max 300mm.
- Foresight length max 60mm.
- Rear sight length max 150mm.
- Foresight cover max 100mm long and only half of the diameter of the foresight.
- Palm rest not permitted for Assisted shooters.
- Mass weight max 10kg.



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## Standard Crossbow Inspection details.

- Mass produced crossbow as delivered from the manufacturer.
- Momentum calculated at max 0.55lb f/s (2.43 Ns).
- Metal prod to be wrapped with suitable tape.
- Safety catch and working bolt retainer.
- Permitted add on parts.
  - Non-proprietary trigger.
  - Scope with optimizer.
  - Cocking aid.
  - Foot stirrup.
  - Sound / vibration damping devices.
- Prohibited add on parts.
  - All other add on parts not listed above such as.
    - Palm rest.
    - Butt hook.
    - Carry sling.
    - Diopter / micrometer sight.





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## Freestyle Crossbow Inspection details.

- Any safe crossbow that does not comply with Target, Standard or Medieval Rules.
- May be Mass produced, hybrid or handmade.
- Safety catch.
- Working Bolt retainer.
- Momentum calculated at Max 0.75lb f/s (3.32 Ns).
- Metal prod to be wrapped with suitable tape.
- Prohibited add on parts.
  - Butt hook.
  - Carry sling.
  - Diopter / micrometer sight.
  - Any sighting that projects a laser light or dot on the target.



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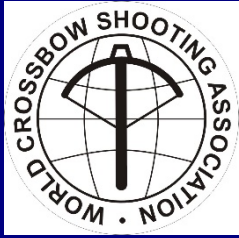
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### **Medieval Crossbow Inspection details (i).**

- Design and appearance to be from 1000AD to 1600AD.
- Tiller (stock) to be from one piece of wood or laminated from wood or natural materials.
- Replacement bolt track and replacement Nut housing is permitted.
- Fletching groove (if used) in addition to a bolt track. Fletching groove must be carved from the Tiller (stock).
- Wood finishes over modern materials are permitted.
- Decorations and engravings are permitted.
- Trigger to be simple rotating nut and tickler style. May include a simple spring to assist positive engagement.
- Modern bearings are prohibited.
- Butt end must be max 50mm x 50mm and either flat or convex shape.
- Safety catch permitted.



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### **Medieval Crossbow Inspection details (ii).**

- Stirrup permitted.
- Lath (prod) must be bound with material such as Linen, Hemp or Leather.
- Two separate limbs are prohibited.
- Draw weight limited to max 115kg (253lb)
- Lath(prod) must be mounted using an underslung design.
- Manual Spanning aids permitted.
- All sighting systems are prohibited.
- Additional items such as string trap, balance weights, stabilisers, torque compensators, string cushions, limb savers, and spirit level etc. are prohibited.
- Mass weight max 10kg.



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## Crossbow Bolt Inspection details (i).

- All crossbow bolts must be longer than the track on the crossbow to be used.
- Only Parabolic or Conical (chisel) shaped points are permitted.
- Broadhead and Field points are prohibited
- Archery style wraps are prohibited.
- Slip-over points to be a max 2mm greater diameter than the shaft diameter.
- All bolts must be fitted with fletching's. No restriction on number, size or colour.
- All bolts in a set must be identical.



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## Crossbow Bolt Inspection details (ii).

- All bolts will bear the name or initials of the competitor. Markings to be on the shaft or on each fletch for Target, Standard and Freestyle crossbows.
- Target crossbow bolts.
  - Length – min 304mm (12in) to max 457mm (18in).
  - Shaft diameter – max 8.33mm (21/64 in).
- Standard and Freestyle bolts as recommended by the manufacturer.
- Medieval crossbow bolts.
  - Shaft material – wood.
  - Fletching – made from natural materials such as wood, leather or feathers.
  - Knocks - formed from the shaft material and maybe bound with thread.
  - Marking – Names or initials to be on the shaft.



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## **Clothing and accessories Inspection details (i).**

- Camouflage colored clothing is prohibited at all WCSA events.
- Member Federation, Team, Club or all whites must be worn.
- Up to two belts with a max width of 50mm each is permitted. One may be firm fitting to support clothing the other must be loose fitting to support a quiver.
- All clothing must be loose fitting and not provide any body support.
- Special shooting jackets, padded clothing and accessories that provide support or improve performance are prohibited.
- Only soft gloves that can be rolled up by hand into a ball are permitted.



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### **Clothing and accessories Inspection details (ii).**

- Footwear for target events must not provide ankle support or limit ankle movement.
- Footwear for Forest, Bushland and 3D should be suitable for the terrain and may provide ankle support.
- Binoculars are permitted provided there is nothing in the optical system that aids distance determination.
- Spotting scopes are permitted and may stay on the shooting line provided they do not interfere with the DOS or other shooters.
- All forms of sighting accessories including any form of gauging calibration such as aiming sticks and range finders are prohibited.
- Shooting glasses are permitted provided they do not have micro holes etc.



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**Good Judging.**





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