



INTERNATIONAL SHOOTING SPORT FEDERATION
INTERNATIONALER SCHIESS-SPORTVERBAND E.V.
FÉDÉRATION INTERNATIONALE DE TIR SPORTIF
FEDERACION INTERNACIONAL DE TIRO DEPORTIVO

Shotgun Equipment Control Guide
Compulsory for all Olympic Games,
World Championships, World Cups and
Continental Championships

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1. ORGANIZATION OF THE EQUIPMENT CONTROL SERVICE

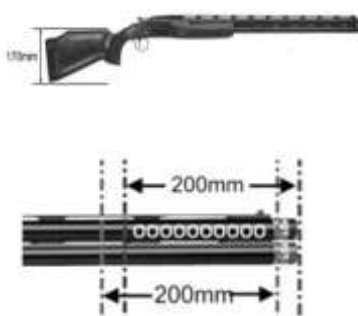
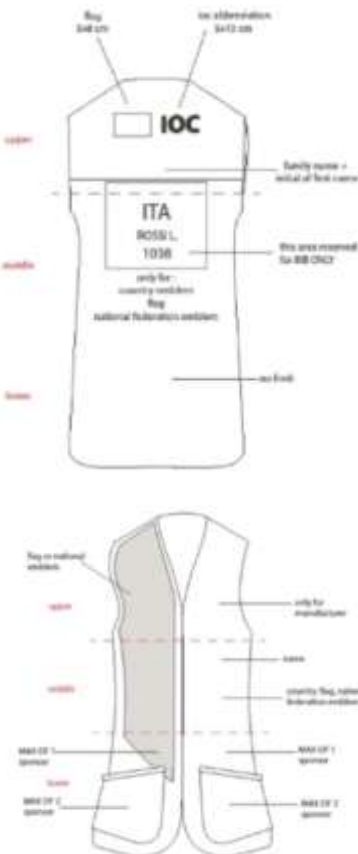
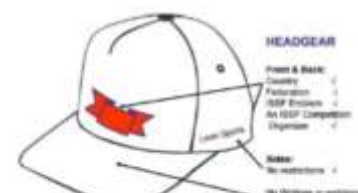
- 1.1** Athletes must only use equipment and apparel that complies with ISSF Rules. Any gun, device, equipment, accessory or other item that may give an athlete an unfair advantage and that is not specifically mentioned in these Rules, or that is contrary to the spirit of these Rules, is prohibited.
- 1.2** Any accessory, method or system used to facilitate the counting of targets is prohibited. Violation of these Rules must receive a warning (yellow card) for the first violation and disqualification for a repeat violation (ISSF Rule 6.12.6.2 / 9.4.1 / 9.4.1.1 / 9.4.1.2).
- 1.3** Athletes are responsible for ensuring that all items of equipment and clothing used by them in ISSF Championships comply with ISSF Rules. The Equipment Control Jury is responsible for checking athletes' equipment to ensure compliance. The Jury must provide an Equipment Control Consultation Service that is available to all athletes starting on the first Pre-Event Training day so that athletes, if they wish, may have their equipment checked prior to the competition. (ISSF Rule 9.4.1.1)
- 1.4** To ensure the compliance with ISSF Rules, the Jury will conduct random checks during competition and any athlete found to be in violation of the rules for guns or skeet marker tapes may be disqualified (ISSF Rule 9.4.1.1.D).
- 1.5** Any equipment or accessories on the field of play / shooting area shall be deemed as available for use by the athlete concerned and will be subject to inspection / check by the Jury. Penalties will be applied (ISSF Rule 9.4.1.2)
- 1.6** The location of the control and hours of opening must be published and distributed to all the participating nations on the day before and on the day of PET, Cartridge Control is open every day.
- 1.7** The Equipment Control Consultation Service group must consist of at least two (2) qualified judges appointed by the Chairman of the Equipment Control Jury from among the Jury members, or the Chairman of Equipment Control Jury is taking over this business. The Equipment Control Consultation Service personnel must keep a written record of those attending.
- 1.8** It is helpful to have a set of pictorial interpretations of the pertinent rules on display to assist explanations to the athletes when necessary.
- 1.9** The Jury should be available to assist a competitor who has had to make changes to his equipment during the competition.
- 1.10** Cartridge control will be conducted by the Equipment Control Jury ONLY (one ISSF Equipment Control Panel member must be present).

2. TESTING EQUIPMENT

- 2.1** A list with the names and Start Numbers (Bib Number) of all athletes entered by country in the shotgun events.
- 2.2** A current copy of the ISSF Official Statutes, Rules and Regulations.
- 2.3** Equipment Control Seals or Stickers (preferably serial numbered) to be affixed to the gun upon successful control completion, for the Skeet Marker Tape ONLY ISSF seals with numbers and small hollow rivet on the front of the mark must be used.
- 2.4** Vernier slide gauge (to measure barrel porting and side blinders).

ISSF Full Test set for Cartridge Control must be used.

ITEMS TO CHECK	CONTROL PROCEDURES CHECK FOR	ISSF RULE
Shotguns	Types of Shotguns	9.4.2
	a) During all events supervised by the ISSF, all types of smoothbore shotguns,	9.4.2.1
	but excluding semi-automatics and pump action shotguns, may be used,	9.4.2.2
	provided their caliber does not exceed 12 gauge. Shotguns are smaller than 12 gauges may be used.	9.4.2.3
	b) Shotguns must not have a camouflage finish.	
	c) Due to safety requirements, all parts of the Shotguns or accessories (including the ported Barrels, buttstock, fore end, the barrel and the interchangeable chokes) must be manufactured by a recognized manufacturer, any modifications which are not following the safety requirements will be prohibited from being used.	
	Release Triggers	
	Shotguns with any type of "release" trigger mechanisms are prohibited.	
	Slings	
	Slings or straps on shotguns are prohibited.	

Measurement of the butt stock 	Buttstock Height (Only for Skeet) The height of the buttstock (either adjustable or "Monte Carlo" type) measured from the highest point of the cheek rest to the lowest point of the butt plate toe must not exceed 170mm (17cm). Any butt plate toe vertical extension which is not an integral part of the buttstock and simply intended to increase its height is not permitted. Barrel Porting The barrel porting shall not extend more than 200mm (20cm) from the end of the muzzle or end of the interchangeable fitted choke (see also: 9.4.2.6 & 7).	9.4.2.9 9.4.2.10 9.4.2.11
Shooting Vests 	All athletes must wear an appropriate shooting vest (sleeveless) or shooting jacket (long sleeves) when they are on the field of play and ready to shoot. For Skeet: - Shotgun vests must be not constructed with any item (Tape, Draw Strings, elastic band, etc.) that could be used to adjust the fit of the jacket. - The Skeet Shooting vest may be not made of any type of Strach fabric	9.12.1 9.4.4. G 9.4.4.H
Headgear 	Front and or Back only for Country, National Federation emblem, ISSF emblem or emblem of an ISSF competition organizer	9.12.1

Shoes	Open toe or open heeled shoes, sandals or any other similar footwear are not allowed; Any clothing, footwear or accessories which do not give a sports look is prohibited and must be checked by the equipment control jury.	9.12.1.B 9.12.1.G
Clothing	a) Sports trousers, training (athletic warm-up) trousers and jackets, for men and women and similar sports blouses, skirts/dresses for women are allowed. Blue jeans, jeans or similar trousers in non-sporting colours or any clothing that is see-through or transparent are prohibited; b) Open toe or open heeled shoes, sandals or any other similar footwear are not allowed; c) Shooting barefooted or only in socks is not permitted. d) Shorts or skirts with the bottom of the leg not more than 15cm above the center of the kneecap are allowed; e) Shirts, T-shirts and similar garments with sleeves less than 10cm in length or without sleeves are not allowed. f) Clothing made of camouflage material or similar is prohibited. g) Any clothing, footwear or accessories which does not give a sports look is prohibited and must be checked by the equipment control jury. h) Battery heated clothes: The athletes are allowed to use or wear battery heated clothing with the approval of the equipment control jury. i) During ISSF competitions, all athletes must wear a shooting vest sleeveless or with long sleeves with side pockets to keep the ammunition and to be according to G.T.R. 6.7 and G.T.R 6.20 (The ISSF dress code)	9.12.1

Optical Sights	All devices or scopes fitted to the gun that have magnifying, light emitting, forward lead displacement, spotting properties, video cameras or apparatus that gives visual enhancement of the target, are prohibited.	9.4.2.8
Eye and Ear protection	a) All athletes and other persons in the vicinity of the firing line must wear ear plugs, ear muffs, or similar adequate ear protection; b) Hearing protection incorporating any type of sound-enhancing or receiving devices may not be worn by athletes or coaches on the FOP. Hearing impaired athletes may wear sound-enhancing devices with the approval of the Jury (see also G.T.R. 6.2.5); and c) All athletes, Referees and officials must wear shatterproof shooting glasses or similar eye protection. d) If an athlete is found on his shooting station without hearing protection, the athlete will receive a warning by the referee in charge (yellow card), for the first violation and for the second violation during any round in the competition or PET, a deduction of 1 Target will be imposed (green card) by the referee in charge (The deduction will be applied to the athlete's first hit target in the first qualification round) e) If an athlete is found on his shooting station without the required shooting glasses, the athlete will receive a warning by the referee in charge (yellow card) for the first violation and for the second violation during any round in the competition or PET, a deduction of 1 Target will be imposed (green card) by the referee in charge. (The deduction will be applied to the athlete's first hit target in the first qualification round) f) If the Chairperson of juries declares that due to bad weather, rain, fog, etc., then the athletes may shoot without the required shooting glasses.	9.2.7

Skeet Marker Tape



- a) Athletes are responsible for ensuring that the marker tape is correctly positioned as per Rule 9.9.4.4 below. The Jury will provide an equipment control consultation service that is available to all athletes starting on the first Pre-Event Training Day so that athletes, if they wish, may have their equipment checked prior to the competition.
- b) To ensure compliance with ISSF Rules, the Jury will conduct random checks during Competition and any athlete found to be in violation of the rules must be disqualified (see Rule 9.15.5.1). Only official ISSF marker tapes are allowed (250 mm X 30 mm), no other tape is allowed.

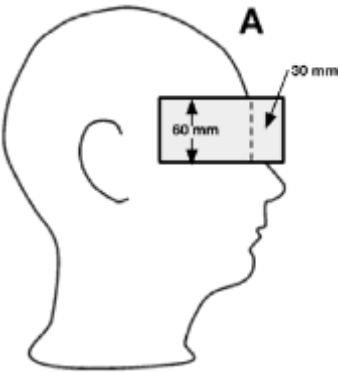
9.9.4.1

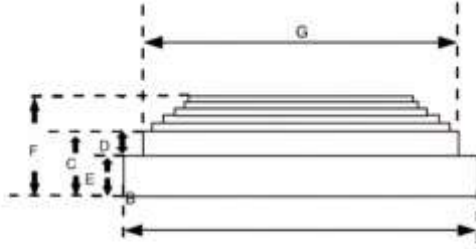
The correct position of the marker tape must be checked as follows:



- a) All pockets of the shooting vest must be empty;
- b) The athlete must stand straight (erect) while holding the right arm (right-handed shooter) in a right-angle position on the side of the body with the lower arm horizontal and the upper arm vertical.
- c) TWO JURY MEMBERS TO DO THE TEST. One jury member must stand in front of the athlete to see that the athlete has the shoulder down, another jury member must stand on the side of the athlete to see if the elbow is over the hip mark. The athlete will just relax in the shoulder and bend the arm in 90 degrees.
- d) The jury in charge will make sure that the skeet marker tape is at the correct position immediately below the point of the elbow.
- e) An ISSF seal must then be placed on the end of the marker tape and a small hollow

9.4.4

	rivet on the front of the mark. f) All illegal markers will be required to be properly positioned and subjected to re-check before the athlete is permitted to compete; and g) Shooting vests for skeet must not be constructed with any item (tape, drawstring, elastic band, etc.) that could be used to adjust the fit of the jacket. h) The Skeet shooting vest may NOT be made of any type of stretch fabric. Skeet Shooting Vests made of stretch fabric are prohibited.	
Side Blinders 	Side blinders (on one or both sides) attached to the hat, cap, shooting glasses or to a headband, not exceeding 60mm in depth are permitted for Shotgun athletes only. The front edge of a side blinder, when viewed from the side, must not extend more than 30mm forward of the center point of the forehead. Side blinders must be made of plastic material only. A front blinder not exceeding 30mm in width is permitted.	9.12.4
Cartridges Specifications	Cartridges permitted in the ISSF competitions must meet the following specifications: a) Shot charge must not exceed 24.0g (+0.5g tolerance). To determine if an athlete is using cartridges that comply with this rule, the cartridge inspection procedure must determine that the average weight of the selected cartridges does not exceed the maximum shot charge plus tolerance (24.5g); c) Pellets must be spherical in shape; d) Pellets must be made of lead, lead alloy or of any other ISSF approved material; e) Pellets must not exceed 2.6mm in diameter; f) Pellets may be plated; g) Any ejecta (Wad), except for the shot or	9.4.3 9.4.3.1

	powder must be translucent or transparent. The shot must not have any colour added. No other element can be added that could be mistaken as a Hit Target. h) Black powder, tracer, incendiary, or other special types of cartridges are prohibited; and i) No internal changes may be made which will give an extra or special dispersion effect, such as the inverse loading of components, crossing devices, etc.													
GENERAL SPECIFICATIONS FOR CLAY TARGETS	 <table border="1" data-bbox="652 1292 1198 1404"><tr><td>A-Weight</td><td>105g ± 5g</td><td>D-Rotating Ring Height</td><td>7mm ± 1mm</td></tr><tr><td>B-Base Ø</td><td>110mm ± 1mm</td><td>E-Base Height</td><td>11mm ± 1mm</td></tr><tr><td>C-Base and Ring Height</td><td>18mm ± 1mm</td><td>F-Total Height</td><td>25mm to 26mm</td></tr></table>	A-Weight	105g ± 5g	D-Rotating Ring Height	7mm ± 1mm	B-Base Ø	110mm ± 1mm	E-Base Height	11mm ± 1mm	C-Base and Ring Height	18mm ± 1mm	F-Total Height	25mm to 26mm	6.3.6.1
A-Weight	105g ± 5g	D-Rotating Ring Height	7mm ± 1mm											
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C-Base and Ring Height	18mm ± 1mm	F-Total Height	25mm to 26mm											
ISSF Approved Control Tool for the Conformity of the Clay Target 	<u>Main Features</u> A. Portable control tool; B. Tool certificate; C. Torque screwdriver set to 0.8 Nm with manufacturer's calibration certificate; D. Digital scale ± 0,1 gr; E. Calibration weight 100 gr cl. M1; F. PARTS KIT: nr. 2 Support feet +Spanner Ch10 G. Portable case with ISSF logo													

3. AMMUNITION CONTROL

3.1 The Equipment Control or Shotgun Jury must implement a cartridge inspection procedure that is approved by the ISSF Shotgun Committee. Specific details for conducting the cartridge inspection procedure are found in the Shotgun Equipment Control Guide that is available from the ISSF Headquarters.

3.2 During a competition, a Referee (under the instructions of the Jury) or a Jury member, may take out of the normal cartridge control procedure, an athletes' cartridge/s for inspection at any time when the athlete is in the shooting area.

3.3 Procedure of Testing in Qualification rounds

During the Qualification, the athletes to be tested are selected by a computer draw, between 10 – 18 % percent of the athletes participating in an event will be selected for shot shell testing. Selection of ammunition should be at the FOP but prior to shooting, before a squad or round starts; there should be NO selection between stations, except in special cases.

3.4 Procedure of Testing in Finals

All finalists must be tested.

Athletes in the Final must report to the Finals Range not later than 30 minutes before the final start time (ISSF Rule 9.17.3.1 / 9.18.4.4). The Jury will instruct the Finalists or their coaches or their team officials to place all of their cartridges in numbered boxes (corresponding to bib numbers). The Equipment Control Jury will conduct equipment inspections and take the necessary samples from each box, close the boxes and seal it. The sealed boxes must be left in the supervision of a Shotgun Jury Member. Once ammunition is placed in the box, only the Equipment Control Jury or the athlete (in order to conduct the final) can remove ammunition from the box. Athletes may leave the FOP without any of their equipment including shooting vests and must return at least 15 minutes before the start of the Final. Athletes must report to the Finals Range at least 15 minutes before the start of the Final. No additional cartridges may be brought to the Finals Range,

A two (2) point penalty will be deducted from the score of the first hit targets in the Final if the athlete's cartridges are not presented 30 minutes before and / or if the athlete does not report on time, ISSF Rule 9.17.3.1.B / 9.18.4.4.E).

After the boxes closed and sealed, no additional cartridges can be brought to the FOP, in case of an exception the Equipment Jury will decide, and those cartridges must be tested again, but it must be finished in the time before the presentation of the athletes starts.

All shot shell testing must be completed before the presentation. If a finalist is disqualified, the final will take place with five seven finalists

After Cartridge check completion the Equipment Control Jury will open the

numbered boxes at the FOP and athletes should be present for that.

For each athlete to be tested, two sets of samples will be taken. Separate envelopes with labels will be used. Two (2) cartridges will be placed in one sealed envelope and four (4) cartridges will be placed in the other sealed envelope.

Each envelope with two (2) cartridges must be checked. The testing scale (minimum to decimals) must be recalibrated with a government certified 24.5 g check weight before testing and immediately after each test of an overweight shot charge.

If both cartridges are legal, no further action will be taken and the second envelope will be returned to the athletes. If one OR both cartridges are overweight 24.0 g (+ 0,5 g tolerance), then the four (4) cartridges in the second envelope must be tested.

If the AVERAGE of the six (6) cartridges in total, two (2), from envelope 1, and four (4) from envelope 2, is also overweighted, the athlete must be disqualified, ISSF Rule 9.4.3.2 D).

A coach or team official **must be notified** and invited to witness the testing, when the second envelope with four (4) cartridges will be opened.

If the athletes' ammunition is not accordance with the rules, he may be disqualified (red color) (see ISSF Rule 9.4.3.2.D)

Pellets diameter must be measured with the ISSF pellet diameter device. NOTICE: in case some rounds do not go through the pellet diameter device a caliper or micrometer screw must be used and the pellet must be measured in all directions to see the average about the round form.

If the pellets test fails the test, disqualification must be imposed in accordance with ISSF Rule 9.4.3.1.d

For all cartridges only transparent or translucent wads are allowed, DSQ, ISSF Rule 9.4.3.1 f).

Any ejecta (wad) expect for the shot or powder must be transparent or translucent, the shot must have no color added, no other element can be added that could be mistaken as a hit target (see ISSF Rule 9.4.3.1.F)

No internal changes may be made which give an extra or special desperation effect such as the inverse loading of combines crossing devices etc. (see ISSF Rule 9.4.3.1 H)

Equipment required:

- Cartridge Control Form (Annex A).
- Cartridge cutter/ Opener.
- ISSF Diameter Device, Vernier scale or Micrometer (pellet diameter measurement)
- Scales, must have at least two decimal digits on a digital display, and must have a state calibration certificate and government certified 24.5 g check weight.

- Magnet (steel pellet check).
- Envelopes in A5 or similar.
- Eight (8) transparent boxes, approx. 40 liters with cover and a whole to fix the seals.

ANNEXES

Annex A: Shotgun Cartridge Control Form