



# CMAAS

CONFÉDÉRATION MONDIALE  
DES ACTIVITÉS SUBAQUATIQUES

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WORLD UNDERWATER FEDERATION

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TIR SUR CIBLE  
TARGET SHOOTING  
TIRO AL BLANCO SUBACUATICO

REGLES INTERNATIONALES  
INTERNATIONAL RULES  
REGLAMENTO INTERNACIONAL

*Edition September 2002*

# **Target Shooting. International Rules**

## **Article 1. General rules**

- 1.1 Competitive underwater target shooting is a discipline performed by a swimmer whose kit is defined in art. 8.3. No breathing device is allowed.
- 1.2 Target shooting specialities are:
  - Precision shooting, individual static target shooting;
  - biathlon, individual apnea distance swimming and target shooting;
  - relay, apnea distance swimming and precision shooting for a team of 3 competitors.
- 1.3 Both individual and nation championships are organized. They will be organized under exclusive direction of C.M.A.S. and all rights are owned by C.M.A.S.
- 1.4 Nation championships and individual ones which take place at the same time can last from a minimum of two to a maximum of three days. In any case, a half-day session of trials must be carried out before the start of the competition.
- 1.5 All championships and competitions acknowledged by C.M.A.S. are subject to these rules.
- 1.6 All federations who wish to submit their candidature to organize a C.M.A.S. championship or competition will have to send in an application to C.M.A.S. itself according to times and ways as provided in the special procedures.

## **Article 2. Individual championships**

- 2.1. The specialities are:
  - Precision shooting
  - Biathlon
- 2.2. According to procedures of each speciality, a title will be awarded (for males and females) for each speciality.
- 2.3. Each nation can enter a maximum of 4 competitors, both male and female, for each speciality.
- 2.4. The results of nation competitions cannot be used for individual competition ranking and vice versa.

## **Article 3. Nation championships**

- 3.1. Each nation must enter a team of 3 competitors. A captain and a reserve can also be entered. The reserve can replace a **competitor only before the start of the first speciality, during the competition it is not possible to replace the competitors** .
- 3.2. The members of the team can be both male and female.

- 3.3. The three competitors making up a national team must take part in all three specialities, **in the event of a competitor does not take part to a speciality, he will take the most score.**
- 3.4. For relay competition a ranking is compiled as provided in the rules of this speciality. Only one ranking is compiled for the specialities of Precision shooting and Biathlon made by adding up the various ranks of each member of the team in the two specialities. **In the event of a draw it will be awarded the intermediate score to the two interested ranks.** Final results are obtained by adding up the ranks of the two previous classifications.  
The team who scores the least points wins. In the event of a draw, the rank obtained in the relay will be prevalent.
- 3.5. The results of nation competitions cannot be used for individual competition ranking and vice versa.

#### **Article 4. Competition venue**

- 4.1. Competitions to be held in a swimming pool with water temperature 25C +/-3C.
- 4.2. minimum swimming pool size is 10x25 meters, the depth is 1,8 meters minimum and 3 meters maximum. International Underwater Target Shooting Commission must approve any special dimension of the swimming pool. The bottom gradient shall not be more the 1 cm per meter.

#### **Article 5. Competition**

##### 5.1. Precision shooting

###### 5.1.1. Definition

The underwater precision shooting consists of 2 series of 9 shots. Shooting of each series shall be performed in apnea with the same equipment, to obligatory surface after each shooting without distance swimming, during the time of 9 minutes for 9 shots.

The target consists of 9 centres, one shot for each target centre.

###### 5.1.2. Competition

Competitors' call 5 minutes training **before the beginning** of the first series.

At the end of training time, there will be 1 minute to get ready before the start, which will take place after the countdown .

Time starts, execution of 9 shots, without distance swimming.

2 minutes pause between the two series.

After the countdown, every thing is carried out with the same procedure of the first series. The underwater gun can be hold with one or two hands and the arms cannot **have any additional support, not even by the swimming-pool's bottom.**

#### 5.1.3. Ranking.

For each shot in the centre there is a number of points. In the event of 2 shots in the same centre the best one

is

annulled.

For each target there's a total number of points from which penalties must be subtracted.

The competitor who obtains the highest number of points wins.

In the event of a draw, the best scores for every single centre (first 400, then 300, etc.), will be taken into consideration. If there is a further draw, competitors will be placed, equally, and only for the first 3 placings, an added series of 9 shots will have to be done with 2 minutes training.

The winner will be awarded a diploma and the honorary title corresponding to the kind of International competition (World Champion, Continental Champion, etc.).

#### 5.1.4. Particular Penalties

4 points penalty for each second over 9 minutes.

The maximum time for each series is 10 minutes.

### 5.2. Biathlon

#### 5.2.1. Definition

The underwater biathlon consist in realizing 5 uninterrupted shots on fixed target with 9 centres after swimming distance **underwater** and return every time in apnea 5 times, with the same equipment.

5 shots must be done - one to the central centre and the other four to the corner centres.

**After any distance swimming is obligatory to surface and to effect e respiratory act at least.**

#### 5.2.2. Competition

Preparation and trials period is the same as for Precision.

At the end of the fifth shooting the competitor crosses the finish line and timekeepers stops timing as soon as competitor gets up his hand over the water. Maximum

time for execution is 4 minutes for men and 5 minutes for women.

#### 5.2.3. Ranking

No points count. Time is taken into account only.

One strike to each centre indicated beforehand .

Ranking is compiled with time made by the competitors who have realized 5 centres, then those with 4 and 3 centres..

Results with less than 3 centres won't be ranked.

In the event of a centre being strake by 2 shootings, only one shall be taken into account.

### 5.3. Relay

#### 5.3.1. Definition

3 competitors per team, each of them realizes 3 shots, alternating with the others on targets, after swimming the distance between start line and shooting line **underwater**, returning in apnea 3 times. The competitor shoots three times to the upper targets, three times to the central targets and thee times to the lower targets. While passing the previous competitor and the next one must touch each other by hands over the water after crossing the start line.

#### 5.3.2. Ranking

Target points and time points are taken into account.

Each team has 4.5 minutes to realize the event.

Each second more or less the time gives 4 points plus and less.

In case of multiple shots on the same centre the lower result shall be considered.

### 5.4. Beginning and end of all competitions

5.4.1. For each event the time starts when the starter gives the starting signal

5.4.2. The timing stops when the hand of competitor appears over the water.

5.4.3. Each event is timing continuously since its beginning until its end.

### 5.5. Referees (under the C.M.A.S. International Jugde)

#### 5.5.1. Timekeepers

5.5.1.1. The required accuracy is the tenth fraction of the second.

5.5.1.2. The tenth fraction of the second shall be rounded to high if hundredth fraction is more or equal 5.

#### 5.5.2. Shooting line judge

5.5.2.1. This judge position is red shooting line.

5.5.2.2. The judge informs Event Authority about:

- shooting line overtaking by arrow end or by hand

- number of shots done
- any Rules violation
- non-sportive behavior

#### 5.5.3. Starter

5.5.3.1. Starter gives starting signal of each race after the competitors, the judges, the timekeepers are on appropriate positions

#### 5.5.4. Strike control judge

5.5.4.1. The judge is responsible for proper target keeping until the end of the competitions

5.5.4.2. Judge sets up the score obtained on the targets, also with the usage of transparent stencil and other appropriate devices.

5.5.4.3. Control shall be held with competitors out of water. Only the captains are allowed to be present at the control and results must be subscribed by captains.

5.5.4.4. In case of complaints the International Judge C.M.A.S. is competent only.

### **Article 6. Ranking**

6.1. The ranking list will be public and after 30 minutes become official.

6.2. The first three competitors will be awarded with the gold, silver and bronze medal.

6.3. The winner shall be appointed as Champion.

6.4. Other awards:

Besides the medals, the organizing Federation may foresee other cups and awards for other rankings (ex. the first 3 ranked competitors for each category or first 3 teams) but these:

- Can not be handed during the official awarding ceremony, strictly reserved for medal awarding.
- Will not integrated into official C.M.A.S. ranking.

6.5. A participation diploma shall be provided by C.M.A.S. and handed to each competitor by the organizing Federation during the awarding ceremony.

### **Article 7. Event penalties**

7.1. Disqualification for:

7.1.1. Charging gun over the water. **The competitor is over the water when any body ventilator's part or gun's part is out of water. The remaining equipment is not considered a body's part.**

7.1.2. Overtaking the red shooting line by any body part of competitor.

7.1.3. Non sportive behavior

7.1.4. Any action violating Rules.

- 7.2. A 100 point penalty be awarded for overtaking the red line with the point of the spear during precision shooting and relay, 20 seconds, during biathlon.
- 7.3. Possible penalties will be applied by C.M.A.S. judge.

## **Article 8. Accidents**

- 8.1. Accident caused by competitor:
- competitor is allowed to repair and stay at the water line within time limit corresponding to maximum time of the execution.
- 8.2. Accidents caused by the organizer:
- competitor repeats the race after the end of the other competitors' performances in the speciality.

## **Article 9. Plant, equipping, outfit**

### 9.1. Required:

- 9.1.1. Swimming pool facilities
- 9.1.2. Single removable target made of hard polypropylene or similar material.
- 9.1.3. Target stand
- 9.1.4. Timing devices, shooting accuracy device.

### 9.2. Additional

- 9.2.1. Underwater video camera
- 9.2.2. Showing screens
- 9.2.3. Computers
- 9.2.4. Additional ballast

### 9.3. Individual

- 9.3.1. Gun pneumatic, hydro-pneumatic, rubber or spring crossbow working by the only muscular strength of the competitor. Trading or craft crossbow.
- 9.3.2. Arrow length does not exceed 1.5 meter and diameter less or equal 9mm. The point of arrow mustn't be pointed and should have a maximum diameter of 4 mm. to 7 mm. from the point.
- 9.3.3. A line shall join the arrow to the gun:
  - maximum length allowed 5 meter (from end of gun to the arrow end)
  - Line could be elastic but must keep the length 5 meters with 0.5 kg cargo.
- 9.3.4. The regularity of guns is subject of a preliminary checking. A gun may be checked by one free shot in the water. In case of line is broken competitor may change the line and have a test again. If the second test is failed, the competitor is disqualified.
- 9.3.5. Optical aiming device is forbidden.

Laser aiming device is forbidden.

#### 9.4. Target

9.4.1. One target 45x45cm for all events, target with 9 centres.

9.4.2. White squared target, 3 levels of 3 centres.

9.4.3. Each centre is formed by two perpendicular axle and six concentric empty spaces.

9.4.4. Central axle	diameter	score	colour
1 circle	1.2.cm	400 points	black
2 circle	3.2cm	300 points	white
3 circle	5.2cm	250 points	white
4 circle	7.3cm	200 points	black
5 circle	9.3cm	150 points	white
6 circle	11.3cm	100 points	white

9.4.5. **The thickness** of the circle line belongs to the ring of the **upper value**. It can be measured with a transparent gauge.

9.4.6. If the strike is torn or more than 4mm, the assignment of the score shall be made according the strike centre defining strike as 4mm.

#### 9.5. Target stand

9.5.1. Target stand must be equipped with a metal support of the dimension higher than the target itself . Pad must be new, made of polypropylene or similar material of at least 1cm thickness.

9.5.2. The centre of the target must be put at 80cm from the floor.

#### 9.6. Ballast

9.6.1. Competitors are allowed to overweight the ballast of the organization and it can be replaced by a suction pad if floor tile allows.

9.6.2. No obligatory for organizers.

#### 9.7. Arrangements

Competition space

Security space behind the target

Preparation space before competition space

Individual water lines

Target line A

Shooting line (arrow tip) B red line

Starting line C

Distance AB= 4meters

Distance BC= 10 meters

### Article 10. C.M.A.S. International Judge

10.1. C.M.A.S. international judge has the task and duty of making sure that all C.M.A.S. regulations and these rules are respected.

10.2. All judges depend on the international judge who will give them directions for their work.

- 10.3. The decisions on all the contentions, penalties and anomalies fall under the competence of the international judge.
- 10.4. Possible complaints about the decisions of the international judge can be made to the international jury.

## **Article 11. Tasks of the organization**

11.1. A meeting must be organized one day before the competition among:

- representative of organizers
- C.M.A.S. International Judge
- Captains
- Doctor of the organization
- C.M.A.S. Delegate

11.2. The aim of the meeting is:

11.2.1. Composing of the International Jury consist of 5 members and two substitutes, i.e.

11.2.1.1. C.M.A.S. International Judge appointed by C.M.A.S. acts as a president

- four members i.e.
- 1 (one) representative appointed by the hosting Federation
- 3 (three) representative appointed by and among the captains
- two substitutes appointed by and among captains.

11.2.1.2. All jury members must have different nationalities, **in the event of the same nationality one of the two cannot be appointed**, and they must attend to the whole competition

11.2.2. Information to be public:

- Technical matters
- Timetable and transport
- Guidelines for the opening and closing ceremonies
- Timetable and swimming pools reserved to each team
- Safety measures

11.2.3. A Number for starting order will be assigned by lot to every competitor.

This draw must be carried out under control of C.M.A.S. International Judge and C.M.A.S. Delegate.

## **Article 12. International Jury**

12.1. Task:

Examine claims received and take a decision in one hour following the presentation.

12.2. Procedure:

12.2.1 A claim will be accepted only if

- 12.2.1.1. It is submitted by the captain of the team or by the competitor if the latter has no team captain.
- 12.2.1.2. It is written in French, English or Spanish.
- 12.2.1.3. It is submitted together with a caution amounting to 100 US \$ (one hundred) to be handed back if claim is accepted by the International Jury.
- 12.2.2 If a member of the International Jury, except the president, has the same nationality of the concerned person, he will be replaced by one of the substitutes.
- 12.2.3 Decisions are taken at majority, four members must be present obligatory.
- 12.2.4 In case of tie, President's vote will be final.
- 12.2.5 Decisions of the international jury are without appeal unless new fact.
- 12.2.6 Decision must be immediately communicated to the claimant after the end of the meeting.
- 12.2.7 C.M.A.S. Delegate will act as secretary of the meeting.

### **Article 13. Safety**

- 13.1. The entry sent by the corresponding Federation and signed by the President will guarantee that all the members of the team can practice U/W activity and that they know U/W safety requirements.
- 13.2. The organising Federation must ensure, during competitions, the necessary assistance for the good running and must inform about rescue and first aid service.  
A doctor specialised in U/W activities must be present during competitions.

### **Article 14. Liability**

- 14.1. Competitors are responsible for equipment available during the Competition as well as their own equipment admitted for competing.
- 14.2. The World Underwater Federation (C.M.A.S.), the organisers and their representatives and collaborators, the Event Officer and Commissioners cannot be held liable for possible damage accruing to the equipment and property of participants, not for accidents that may occur to competitors and other participants deriving from their participation in a sporting event, and in particular in underwater activities.