

# FEDERATION CYNOLOGIQUE INTERNATIONALE (AISBL)

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## FCI REGULATIONS FOR FLYBALL COMPETITIONS



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## Article I. GENERAL

### Section 1.01 Validity

- (a) These regulations were approved by the FCI General Committee in Zagreb on 13/11/2015.
- (b) These regulations were written in English. In case of a dispute, the English text takes precedence over any translations in other languages.

### Section 1.02 General

- (a) Flyball is a discipline in which two teams compete against each other in a relay race. Each team consists of four combinations dog/handler, with two possible substitute combinations. In a race two teams are competing against each other whereby each dog has to run the course and jump over the four hurdles without help, trigger the ball from the flyball box and return with the ball over the same four hurdles. If the dog makes a mistake, **he may rerun in order to obtain a valid result. The team of four dogs that has completed the whole circuit in the fastest time without making any mistake, or after correcting the mistakes by reruns**, is the winner of that heat.
- (b) This discipline is open to all dogs and, in a playful way, promotes the relationship between dog and handler. The most important aspects of flyball are speed, playfulness and fetching the ball, with an accent on safety and the prevention of injuries.
- (c) The National Canine Organisations (NCO) are asked to encourage the practice of flyball in the spirit of, and according to, the rules of the FCI. The main purpose of the FCI rules is to set a standard for international competition at FCI events and should therefore be used as international judging guidelines and standards for equipment. NCO can also use them as a basis for developing their own rules and regulations, in line with local needs.

### Section 1.03 Definitions

- (a) **Competition:** An event where clubs and teams compete, using agreed upon rules, formats and regulations.
- (b) **Competition part:** A competition can be split in various parts such as morning and afternoon, preliminary round and final round, etc. The number of races is clearly defined.
- (c) **Race:** Each time two teams race against each other is a new race.
- (d) **Heat:** Each race consists of a number of heats. A heat is one session where the four dogs of a team run from the start until the judge blows a whistle. If a heat has to be run again, the two runs will be considered to be one heat.
- (e) **Ring:** The area in which flyball racing occurs. This area includes the racing lanes, from the backstop boards to the start/finish line, the start/exit zone and the required clearance on either side of, as well as between the racing lanes and the start/exit zone.
- (f) **Breakout (BO):** When a team, during competition, runs faster than the fastest allowed time for the division in which it is competing.
- (g) **Electronic Judging System (EJS):** The system that is used to judge the competition (see for a full description annex 4)
- (h) **Clean Time (CT):** The net time of all four dogs that ran one heat without making mistakes and without the starting and crossing times. A team that reaches a clean time that is more than **0.3** seconds faster than the division's break-out time will lose the heat if this principle is applied to a competition or competition part.
- (i) **Multibreed:** When a team running in a heat consists of dogs of four different breeds, or three different breeds and one mixed breed. A dog's breed shall be decided strictly according to the pedigree issued by the national canine organisation (Member or Contract Partner of the FCI) of the country of legal residence of the dog. Any dog without such pedigree will be considered a mixed breed.

- (j) **Box mounting frame:** *In order to speed up the setup time between 2 races, a special box fixation frame may be used. This frame is firmly fixated to the floor and has two hooks where the box can be fixated. Full details and description in annex 6.*

#### **Section 1.04 General criteria**

- a) For each ring at which competitions will take place, at least one head judge appointed by the organizing association will act.
- b) Only head judges appointed by an NCO are eligible to serve as official jury.
- c) The head judges decide autonomously in the division(s) for which his/her competence applies. They must always make their decisions in accordance with the valid regulations. Any matter not provided for will be solved in the spirit of the instructions and regulations.
- d) Each head judge will be assisted by at least two line-judges and two box-judges per ring.

#### **Section 1.05 Preparation of the field**

- a) A complete racing lane from the start line to the flyball box measures 15.55 meters. (The dimensions were originally in inches and have been converted to the metric system (with two decimals.) (see annex 1)
- b) The distance from the start to the first hurdle is 1.83 meters. The distance between two consecutive hurdles is 3.05 meters. The distance from the last hurdle to flyball box is 4.57 meters.
- c) When setting up the ring, the two lanes have to be the exact same length and they have to be parallel to each other. The distance from centreline to centreline of the two lanes is 5 meters (with a max. deviation of 1 meter).
- d) The surface has to be safe, have enough grip but may by no means be rough or abrasive. If the surface is not grass or sand, the organising committee should always provide for sufficient mats to race on.
- e) The start/exit zone, which is to be at least 15.55 meters long and have safe and clear distance markers, leads up to the start line and track.
- f) Behind every flyball box an area is to be defined with backstop boards of at least 0.60 meters high. This area extends from the box line to at least 1.52 meters behind the flyball box. During the race, **except for warming up**, there should be no material on the ground in the area between the flyball box and the backstop boards. These panels will be positioned to avoid missed balls rolling too far, but allow for the proper observation of the lanes by members of the jury and the box judges.

#### **Section 1.06 Start permissions and exemption of jump height**

- a) Jump heights, which have been granted by an NCO according to the FCI rules, will be accepted at international competitions. However, the head judge may at any time re-measure a dog. If a dog has been re-measured and the newly measured height is different from the original height, the team will be required to continue the tournament at the re-measured height.
- b) By entering a tournament, the owner of the dog declares that the dog is in good health and physical condition and is able to take part in flyball competition.
- c) For international competition the jump height will be determined as follows. Of the dog's front legs, the length of the ulna is measured from the elbow to the pisiform bone, the bony protrusion just above the stop or carpal pad (see Annex 3) with the foot at an angle of 90°. Dogs requiring a jump height lower than 32.5 cm shall be measured by at least two independent judges at the same jump height before being granted a final official jump height. During the measuring process, only one handler per dog is allowed in the measuring area. If a dog cannot be measured by the measuring judge, the dog will jump the maximum height of 32.5 cm. during the tournament. The jump height is determined by the length of the ulna according to the following table. An ulna length that equals the exact limit of the jump heights results in the lower jump height, e.g. ulna length of 12.5 results in jump height of 20.0 cm, but ulna length of 12.6 cm results in jump height of 22.5 cm.

ULNA LENGTH	JUMP HEIGHT
10.00 cm --	15
11.25 cm --	17.5 cm
12.50 cm --	20.0 cm
13.75 cm --	22.5 cm
15.00 cm --	25.0 cm
16.25 cm --	27.5 cm
17.50 cm --	30.0 cm
	32.5 cm

### **Section 1.07 Participation**

- (a) Participating dogs have to be at least **18** months old on the day of the competition. Each dog must be chipped or have a tattoo. ***The organizer or a judge is always allowed to check the chip number of any participating dog.***
- (b) All dogs and handlers must be trained and act in such a way that they will be able to finish a flyball competition in a safe manner.
- (c) Each handler has to behave properly. Disrespectful behaviour towards dogs or persons will result in an immediate disqualification by the head judge. It may also lead to possible further sanctions.
- (d) If, at any time during the competition, a dog shows undue aggression toward another dog or a person, the head judge will exclude the dog from the competition.
- (e) Bitches in heat are not allowed in or around the site of a flyball competition.

### **Section 1.08 Registration for competition**

- (a) All registrations have to arrive in writing at the organizing club or NCO before the closing date. The organizing club will send a confirmation to each team with the last instructions and information about all participating teams and breakout times.
- (b) The organizing NCO or club is at liberty to determine the registration fee as the regulations of their NCO stipulates and has to be clearly mentioned on the registration forms.
- (c) When a team signs up, it is obliged to pay the registration fee. The registration is only valid if the payment has been received by the organising club or NCO.
- (d) Upon registration, each team has to submit a reference time. This reference time will be taken as base for the division-classification.

### **Section 1.09 Division - classification**

- (a) The teams will be divided in divisions by the secretary of the competition, based on the submitted reference times.
- (b) The secretariat of the competition will try to ensure that equivalent teams will run against each other in the divisions.

### **Section 1.10 Composition and statement of team**

- (a) At registration a full team consists of a maximum of six dogs with their handlers, a coach and a box loader.
- (b) Per race, a team consists of four dogs and their handlers. The two dogs in reserve, if any, have to stand outside the ring.
- (c) The line-up of the four dogs in the team that will run the race has to be given to the line judge before the start of the first heat.
- (d) In case of substitutions, the new line-up of the team has to be given to the line judge. When the information is not given **before the judge starts the heat**, the heat will be lost automatically. It is not allowed to substitute dogs after a **practice** start. There is only one possible exception, it being, the change of an injured dog, however this injured dog **will no longer be** allowed to compete during that same competition.

### **Section 1.11 Jump Height**

- (a) The jump height of the whole team is determined by the smallest dog that effectively participates in the heat, measured according to the instructions in Section 1.06 point (c) of these regulations.
- (b) The minimum jump height is 15.0 cm and the maximum jump height is 32.5 cm. The total height of the jump should include a protective layer when in use. When checking the hurdles, they should always be placed on a flat surface. A margin of 0.5 cm "off level" is allowed.
- (c) It is the responsibility of the team to set the correct height of the hurdles for their team.

### **Section 1.12 FCI World Record**

- (a) The FCI world record is the fastest ever run time by a team that is an officially recognized member of an NCO recorded in an official NCO competition.
- (b) In order for a record to be approved, all rules of the FCI flyball should have been respected and the competition should have been judged by a head judge officially recognized by an NCO.
- (c) Immediately after a new record has been set, the competition should temporarily be stopped and the head judge has to check whether all requirements according to the FCI world record form have been respected. The "World Record" form (See annex 5) has to be sent by the organizing NCO to the president of the FCI Flyball commission.  
The record will be recognized only after acceptance by the FCI Flyball commission.  
If the checks have not been executed correctly, the record shall not be approved.

## **Article II. ORGANISATION OF COMPETITION**

### **Section 2.01 Duties of the organizer**

An international flyball competition can only be organized by a club that is recognized by its NCO. Each organizing club or organisation has to:

- (a) have an area that is suitable to organize a flyball competition. The area has to be in a proper condition to ensure that there will be no danger of injuries to dogs and handlers. Each ring has to be enclosed by a fence. A fence between the two lanes is not allowed.
- (b) appoint a person who takes the final responsibility for the organisation of the entire competition. The main function of this person is to check whether all regulations are being observed before, during and after the competition. She/he also has to be available to the secretary and the judges during the entire competition.
- (c) establish a time sheet, which ensures an acceptable schedule.
- (d) invite the judges according to the national guidelines.
- (e) invite the necessary ring staff and make sure that these people are present.
- (f) assign at least one secretary for the secretarial work.

### **Section 2.02 Duties of the head judge**

- (a) Before the competition starts the head-judge will, if possible, be assisted by the person with the final responsibility of the organisation, check the preparation of the field for possible irregularities. They will also check the hurdles and placement of the EJS.
- (b) The head judges, assigned by the organiser, will carry out the measuring of the dogs which do not have an agreed jump height according to the measurement rules listed in Section 1.06.
- (c) The head judge takes his position in the start area, between the two lanes. He takes position so that he can see the race without hindering the handlers or the dogs.
- (d) After the end of the heat, the judge indicates the winning team with a clear sign. When there is doubt, he consults the line judges and takes a decision afterward this consultation.  
Video shall not be used to replace the judge or help determine the winner of a heat.

### **Section 2.03 Duties of the line judges**

- (a) The line judges are positioned at each team's start line, facing each other. They have to take care of the timing, determining the finishing order and indicating which dogs have to re-run. They are only responsible for their own lane.
- (b) If the line judge does not agree with the indication of the winner by the head judge, he has to communicate this immediately in a discrete manner to the head judge who will make a final decision. The line judge notes the time of the team, the winner, the loser or a tie on the scoring paper. If the team runs faster than the breakout time, the time will be noted but BO (Breakout) will clearly be mentioned on the form.
- (c) The line judge or the box judge gives a clear signal when a dog has to re-run because of a mistake. It is up to the handler to notice this signal and to make sure that his dog re-runs the course. When a team has completed a race, the head judge can stop the re-running of the other team.
- (d) Possible mistakes which can cause a re-run:
  - (i) The first dog **crosses the start line** before the time measurement starts.
  - (ii) Early pass. Only after the **previous** dog has reached the start/finish line with any part of its body, the next dog is allowed to cross the start/finish line with any part of its body.
  - (iii) Missed hurdles.
  - (iv) If the dog returns without a ball in its mouth when he reaches the finish line.
  - (v) When the handler or an object crosses the start/finish line during the run of the dogs with the exception of resetting a knocked down hurdle or retrieving lost balls.  
Not returning with the ball over each jump in proper succession.
- (e) Time measurement
  - (i) To operate the EJS for his assigned lane.
  - (ii) Visual control of the running dogs and passes, in the event of disputed results of the EJS or when mistakes are made that are undetectable by the EJS.

### **Section 2.04 Duties of the box judges:**

- (a) Each team has to provide a box judge, who has a good knowledge of the flyball rules, for the next race.
- (b) The box judges have to check that neither the dog nor the box loader makes a mistake between the last jump and the flyball box.
- (c) When they notice a mistake, they will signal this by raising their flag.
- (d) Possible mistakes are: wrong posture of the ball loader, the dog does not trigger the flyball box, too late loading of the ball, etc.

## **Section 2.05 General competition rules**

- (a) Warm-up and reporting
- (i) The organiser determines the maximum time for warming-up and formation of each team. This time period starts from the moment the previous teams have left the ring. The organizer will stipulate the maximum time in function of the number of races and the time schedule. As a rule of thumb, three minutes are to be foreseen between each race for team formation and warming-up but the organizer may set higher or lower times.  
Only dogs listed on the team's time sheet are allowed to warm up.
- (ii) If after this period, one team is completely ready to start and of the other team nobody has appeared, the team that is ready will automatically be appointed as winner of all heats, the winning team must however run the minimum number of heats for that race.
- (iii) When a member of the team that is late has informed the head judge of the reason for the delay before the three minutes have expired, the head judge can decide to wait for a certain period of time. If the head judge decides to wait for a part of the team, the members of the team that are present are supposed to prepare everything they can, so that the race can start immediately when the team is complete.
- (b) When a participant (dog or handler) of a team disturbs the other team, the team will lose this heat automatically. The head judge can always stop a heat when he finds this necessary and declare a team winner. Throwing balls or other toys to motivate the returning dog in a zone less than 15.55 meters (see Section 1.05 e) from the finish line is always disturbing and therefore it is forbidden, both during warm up and during racing. It is also forbidden to take food or squeaky toys on the field. Plain drinking water is allowed.
- (c) Start: The start will be given by either a visual signal, an acoustic signal, or by a combination of both. Each start will be preceded by minimum of two clear signals each one of one second in length. The first dog may not cross the start line with any part of its body before the timing of the race begins. When a team makes a false start, **this is considered a mistake and the first dog has to re-run after the four first dogs to obtain a valid result.**
- (d) Practice start: Only during their first two races of the tournament, upon entering the ring, teams will be allowed to request a practice start from the judges before the warm-up period is over. The practice start will take place immediately after the warm-up period and prior to the first heat of the race. Only one dog per team may run a practice start and props are not permitted during practice starts.
- (e) Passes: when the next dog crosses the start line, the previous dog must have crossed the finish line with any part of its body.
- (f) Each dog jumps over the four hurdles of its lane, triggers the box and catches the ball out of the box, the dog then returns over the four hurdles with the ball across the finish line. When a dog has made a mistake, that dog **may run again in order to correct its mistake**, until the run is either faultless or until the head judge terminates the heat. Dogs that have made mistakes **should** re-run after the four initial dogs in the sequence of the mistakes.
- (g) During the heat only one person is allowed as box loader. Except during warm up, to retrieve a lost ball, or to get a fresh supply of balls to load for the current heat, the box loader must remain in the upright position behind the box, and may give verbal encouragement only, as long as such encouragement does not distract the opposing team. Before the dog jumps over the last hurdle in front of the box, he has to be in an upright position ready with no balls in view. As a courtesy to opposing teams, the box loader is to remain in position until the outcome of the heat is determined by the head judge. If, in the judge's opinion, a box loader has violated any of these rules, their team may lose the heat. In case of a technical failure of the box, the box loader indicates this by crossing his arms into an "X" above his head, or will take place in front of the box, to indicate that the box has malfunctioned. The head judge will then stop the race and will check the box. If the judge finds a technical failure the heat shall be run again. If the box is found to be working properly, the heat shall be lost. If the flyball box malfunctions for the second time in the same race, that heat will be considered as lost.



- (h) If a participating dog fouls the ring during a heat, the heat will be lost to its team. When it happens before a heat, the next heat will be lost. When this happens after a race, then the first heat of the next race will be automatically lost.
- (i) When a hurdle is knocked down for any reason whatsoever, the dogs have to clear the hurdle(s) as if they were standing. It is the head judge who will judge this situation for possible safety risk and he also decides whether the heat has to be run again. In case there is any risk to safety the head judge shall stop the heat and order a re-run.
- (j) Division break out times are set by the fastest run time under the subtraction of either a half second or one second. In case the fastest run time in a division is equal to- or less than twenty seconds a half second will be subtracted from the fastest run to set that divisions break out time. Where the fastest time in a division is more than twenty seconds one whole second will be subtracted from this time to set the divisions break out time. In the fastest division there will be no breakout time. When a team runs faster than the breakout time, the heat will be automatically lost. When this happens three times during the same competition, all the runs from that moment will be declared as lost. However, the team may keep on competing in a fair manner, until they are eliminated. (to clarify: the team has been disqualified, but it is allowed to keep running for fun and it loses all following races even if they are faster or when the other team makes mistakes).
- (k) When a team does not show up, the team that has to run against the no-show team does have to race the minimum of required heats without opponent.
- (l) Within the ring a maximum of ten persons may be present per team. From this number only three persons may be behind the line judge inside the fence. They may never disturb the line judge and can always be invited to be quiet or to remove themselves. After repeated warnings the head judge can declare heats as lost.
- (m) No other person than the handler may assist the dog in navigating the course. An additional person to help catch the dog in the back area, or revving-up the dog before running is permitted within the limits of the maximum allowed persons on the field. A person guiding a dog into the jumps or running alongside the dog as it runs will not be permitted, even if this person is outside the ring. In case of a first offense, the judge shall give a warning, any offense thereafter to this rule will result in the loss of the heat.

### **Article III. KINDS OF COMPETITIONS**

#### **Section 3.01 Round Robin (RR)**

- (a) Each team runs within his own division against each other team. For each win 2 points will be awarded, for a tie 1 point is awarded and for a loss no points will be awarded.  
In case both teams do not finish the heat, no points will be awarded at all.
- (b) The end winner of the Round Robin is the team with the most points. When two teams have an equal number of points the team with the fastest time wins. If this time is also the same, then the next fastest time etc. will be considered.

#### **Section 3.02 Speed Trial (ST)**

- (a) Each team runs within the division against another team. Typical is that generally one does not end up against all teams. After completion of the necessary heats, the results are established according to the fastest time of each team. In case of equal fastest times, the next fastest time will count.

#### **Section 3.03 Single (SE) or Double elimination (DE)**

- (a) By single elimination the loser will be eliminated and the winner goes to the next round.
- (b) By double elimination the loser gets one additional race. In case the losing team loses again it is eliminated.

### **Section 3.04 Number of heats**

- (a) At the beginning of the competition the number of heats for each race will be communicated. This number can be changed during the competition, provided that the captains from all teams gave their unanimous approval. The change of the number of heats during a competition is only allowed when it is deemed necessary for the good progress of the competition.
- Examples of fixed racing formats:
- (i) 3-heat-race: 3 heats will be run.
  - (ii) 5-heat-race: 5 heats will be run.
  - (iii) Best of 3: The race will be finished, when one team has won 2 heats. It can however be decided to run all 3 heats.
  - (iv) Best of 5: The race will be finished, when one team has won 3 heats.  
Most of the time, 3, 4 or 5 heats will be run in a Round Robin (RR) or Speed Trial (ST).

## **Article IV. DESCRIPTION OF THE MATERIAL**

### **Section 4.01 Hurdles**

- (a) The organizer shall provide one set of four hurdles in perfect state for each racing lane as well as the necessary spare hurdles. The two sets must have a different colour (preferably red and blue) the inside of all hurdles must be white.
- (b) Each hurdle has an inside width of **77** cm (with a maximum deviation of 1 centimetre) and its stanchions are not to be higher than 90 cm. and not lower than 60 cm.
- (c) The hurdles have to be made out of a material that reduces the risk of injuries to a minimum. At the top of each hurdle, a soft layer may be fixed to protect the dogs.
- (d) The hurdles have to be adjustable in 2,5 cm increments, with a minimum height of 15.0 cm. and a maximum height of 32.5 cm.
- (e) **At whatever height a jump be set, the topmost board shall be a 2,5 cm board.**

### **Section 4.02 Flyball box (see annex 2)**

- (a) Each team has to provide its own flyball box. It has to be in perfect working order and it must be safe to use. The flyball box must meet the following specifications:
  - (i) The box has to be equipped only with a mechanical release mechanism. When the mechanism is triggered, the ball must have a free unobstructed flight of not less than 60 cm. from the point where the ball is released (box cup) in the direction of the start line from all available holes.
  - (ii) The flyball box may not exceed the following dimensions LxWxH = 77x77x51 cm (a possible extension as platform for the box loader will be permitted). The box shall not exceed these dimensions at any time during the heat, including any attachments to the box. Mat grabbing devices or outdoor staking devices are allowed but shall never raise the box more than 1.25 cm.
  - (iii) There may not be any sharp edges or projections at the front side of the flyball box on which the dog can hurt itself. The addition of any object, that could be considered a potential training aid or prop, attached to the front elevation of the box, whether considered temporary or permanent, is not allowed. This does not include tape or a painted band on the front of the box if the surface is still flat following application. Judges have the discretion to declare a box unsafe and therefore not usable.

### **Section 4.03 Balls**

- (a) All balls used have to bounce and roll like a tennis ball does.
- (b) **Balls may not contain a noise maker, e.g. bells or squeakers.**

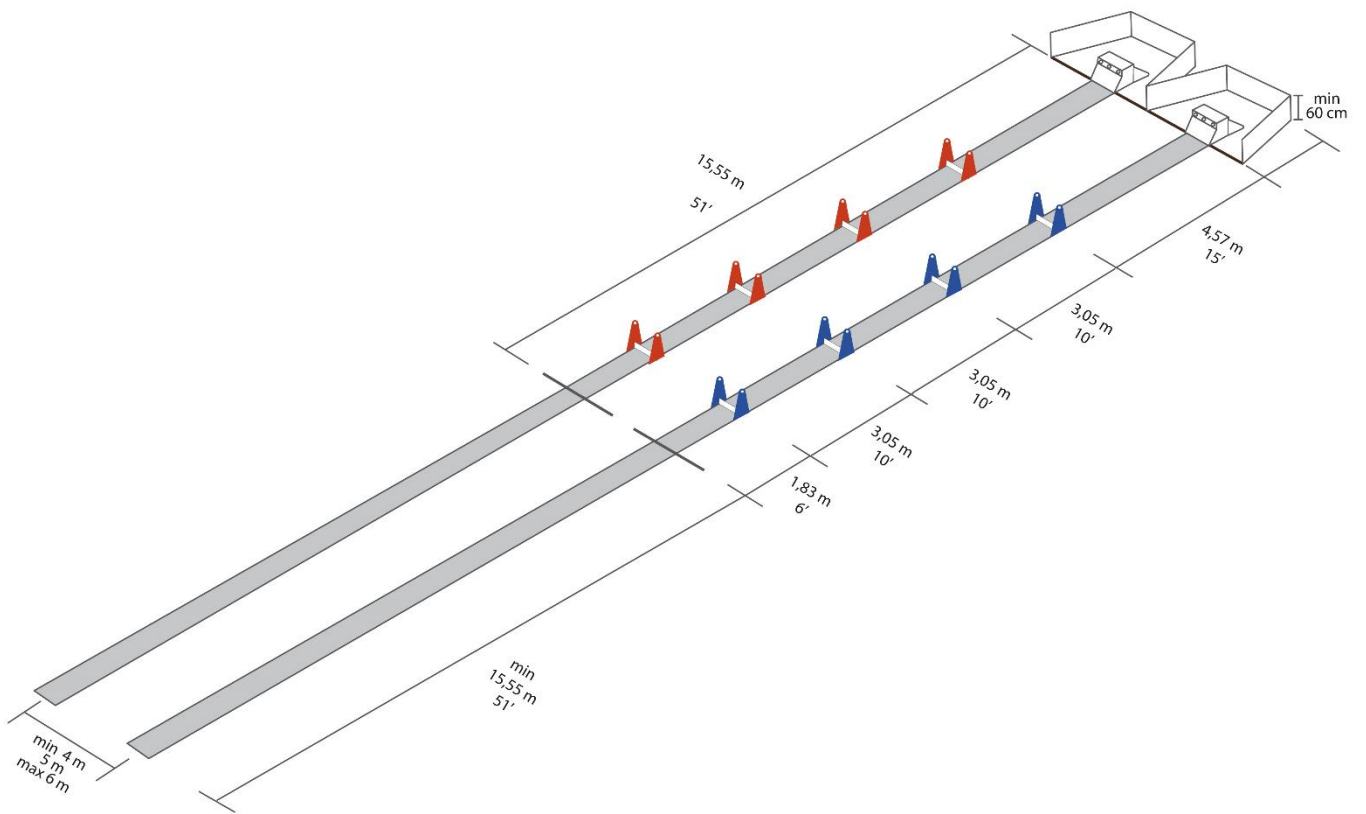
### **Section 4.04 Accessories**

- (a) The dogs may only wear a fixed collar or a harness without accessories.
- (b) Slip, prick or electronic collars and suchlike are not allowed on the competition field.
- (c) Protective wrap on a dog's legs may be used.

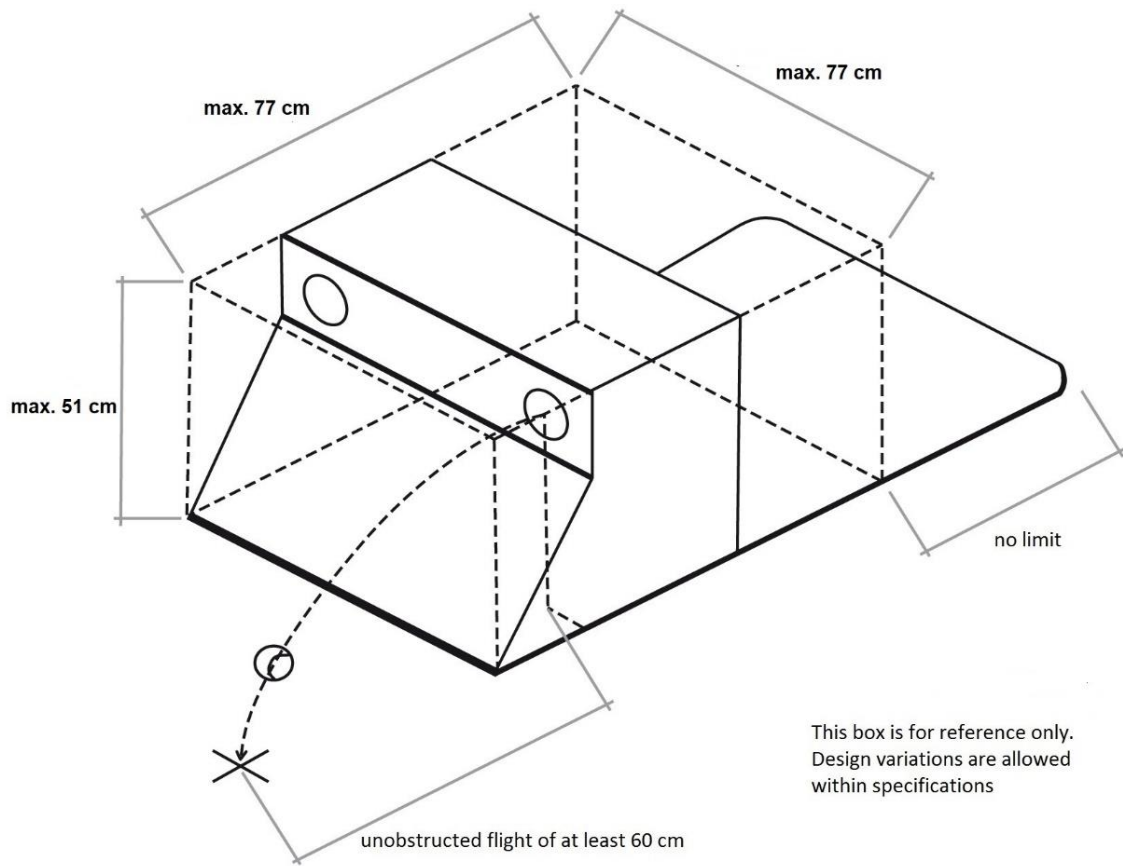
These regulations were approved by the FCI General Committee in Helsinki, February 2019.

*The last changes in bold and italic characters were approved by the FCI General Committee on the occasion of its meeting on November 22-23, 2022, in Madrid. They are effective upon publication.*

## ANNEX 1 Preparation of Ring



## ANNEX 2 Flyball box



**ANNEX 3 Measurement**



## ANNEX 4 Technical description of electronic judging system EJS

The Electronic Judging System (EJS) is used for measuring the time of the races and to properly evaluate the passes and starts. The system consists of at least a semaphore with starting sequence and two gates with sensors. A display shall be provided at the timing table showing the elapsed time for each lane.

The EJS sensor panels should be placed in such a way that the entering sensors are placed directly on the start/finish line with the exiting sensors placed closer to the box line. Sensor gates should be placed a minimum of 120 cm. apart but not more than 150 cm. apart. The light tree shall be placed directly between the racing lanes, shall not create any obstruction and should be clearly visible for all judges and competitors, including the box loader.

The system must meet the following minimal requirements:

### Sensors Physical:

- lowest beam not more than 203 mm. from ground
- highest beam not lower than 711. mm
- maximum vertical beam spacing 101 mm.
- passing fault sensors shall be 152 mm. from the start/finish line towards the first hurdle
- if two columns of beams are used, the beams must be at the same heights
- able to span at least 150 cm.

### Light tree Physical:

- Bottom light shall be at least 60 cm above the ground.
- Must have an independent light for each lane used to indicate pass fault and false start.
- There must be a sequence of at least three yellow (or one red and two yellow) lights directly above a green light for the starting sequence.
- There should be an independent light for each dog used to indicate dog faults during each heat.
- Some indication should be provided that the system is ready for the judge to start a heat.

### Accuracy/precision:

- The timing system shall time the heat to the thousandth of a second.
- The timing system shall display the time down to at least the hundredth of a second (xxx.xx).
- Rounding shall be used, if converting from timing in thousandths to display in hundredths.
- A tie shall be indicated, if the measured times in the two lanes are equal.
- The timing system must be accurate to within 3ms. (all system latencies combined).
- The timing system shall be accurate to within 3ms. over 60 seconds (50 ppm).
- The timing system shall provide the same timing for both lanes to within 2ms. over 60 seconds.
- Sensors electrical latency shall not exceed 2ms. and if scanned, scan latency shall not exceed 1ms.
- System shall sample the sensors such that a solid object moving horizontally through the sensors at 15.25 m/s would be seen to break each beam in a separate sample or 1 sample/ms whichever is faster (i.e. horizontal spacing 152 mm, 15.25 m/s means the object will cross the two columns in .01 seconds -- .001 is smaller -- must sample at 1/ms.).

### Operation:

- The system shall become ready and wait for the start of a heat
- The head judge or the person designated will indicate a heat start to the system
- The system shall refuse to start the heat, if the sensors are misaligned.
- Head or line judge press START button
- The system activates the sequence of red and yellow lights followed by the green light at 1.0 second intervals.
- The green light shall signal the start of the timer.
- If a beam is broken before the start of the timer, a false start shall be indicated.
- The beam column closest to the start/finish line shall be the line beam.
- The beam column closest to the first hurdle shall be the passing beam.

- Once the timer has started, each time the line beam is broken ("safe" or not), an updated elapsed time shall be shown.
- Each time the passing beam is broken or cleared, the line beam shall be "safe" for 2 seconds.
- If the line beam is broken while not "safe", a pass fault shall be indicated for at least 2 seconds.
- The head judge or person designated will indicate a heat completion to the system.
- Once a heat is complete, nothing will alter the displayed times (beam breaks are ignored).
- Once the timing table has copied the necessary information (times), they shall indicate readiness for a new heat to the system.
- The judge cannot start a new heat, until the timing table indicates readiness to the system.



# ANNEX 5 World Record form - application

In order that the record can be approved, all rules of the FCI Flyball should have been respected and the competition should have been judged by a judge officially recognized by a NCO. All obligations according to FCI Flyball regulations Section 1.12 should be satisfied before racing can continue.



Date: ..... Name of competition, place, country : .....

Ring no.: ..... Division: ..... Race no: ..... Heat no: ..... Surface: .....

Head judge: ..... Responsible organiser: .....

**Achieved time: ..... . .....**

Team: ..... FCI organisation: .....

Jump height set (cm): ..... Captain: ..... Box loader: .....

Dog name	Breed	Jump Height	Licence N°	Handler

**For verification of the record the head Judge checked and measured:**

**Lane measurement**

- Length of lane
- Jump height
- EJS Alignment

**Box checking**

- Throw of balls of all sizes from all holes
- Placement
- Box dimensions

**Others :** .....

I, ....., as head judge hereby confirm, that all obligations according to FCI regulations 1.12 have been met and verified by myself.

Full Name: .....

FCI-NCO-organisation: .....

Signature: .....

I, ....., as a responsible organiser of above mentioned competition hereby confirm, that this form was filled in accordance with reality, correctly and truthfully.

Name: .....

FCI – NCO – organisation: .....

Signature: .....

This form has to be duly completed and sent by the NCO for the attention of the president of the FCI Flyball commission. The record will be recognised after acceptance by the FCI Flyball commission.

**ANNEX 6 Technical description Box Mounting Frame**

