

F1H -GLIDERS

The rules for Class F1H are to be used in conjunction with the relevant paragraphs of Section 4b and 4c part 1.

3.H.1. Definition

A model aircraft which is not provided with a propulsion device and in which lift is generated by aerodynamic forces acting on surfaces remaining fixed in flight, except for changes in camber or incidence. Models with variable geometry or area must comply with the specification when the surfaces are in minimum and maximum extended mode.

3.H.2. Characteristics of Gliders F1H

Maximum Surface area (St)18 dm²
 Minimum weight220 g
 Maximum length of launch cable when loaded by 2 kg..50 m
 The number of models eligible for entry by each competitor is three.
 Rule B.3.1.a. of Section 4b does not apply to class F1H

3.H.3. Number of Flights

- a) Each competitor is entitled to five official flights.
- b) Each competitor is entitled to one official flight in each round of the event. The duration of rounds must be announced in advance and may not be less than 30 minutes or greater than 90 minutes.

3.H.4. Definition of an Official Flight

- a) The duration achieved on the first attempt unless this attempt is unsuccessful under the definition of 3.H.5 (if the attempt is unsuccessful for reason 3.H.5.a and a second attempt is not made then the duration of the first flight attempt is recorded as the official flight time).
- b) The duration achieved on the second attempt. If the second attempt is also unsuccessful under the definitions of 3.H.5.b, 3.H.5.c, or 3.H.5.d then a zero time is recorded for the flight.

3.H.5. Definition of an Unsuccessful Attempt

An attempt is classed as unsuccessful if the model is launched and at least one of the following events occurs. If this happens on the first attempt, then the competitor is entitled to a second attempt.

- a) The flight duration is less than 20 seconds.
- b) The model returns to the ground without release of the cable.
- c) The moment of release of the cable cannot properly be established by the timekeepers.
- d) A part of the model becomes detached during the launch or during the flight time.
- e) It is apparent to the timekeeper that the competitor has lost contact with the cable and the competitor chooses to declare an attempt.

3.H.6. Repeat of an Attempt

An attempt may be repeated when:

- a) the model collides with a person other than the person who launched it, while being launched;
- b) during towing, the model collides with a model in free flight (but not with a model being towed or with a towline) and towing cannot continue normally.;
- c) during the flight the model collides with another model or a towline other than its own towline. Should the model continue its flight in the normal manner, the competitor may demand the flight be accepted as an official flight, even if the demand is made at the end of the attempt.

3.H.7. Duration of Flights

The maximum duration to be taken for each official flight is to be two minutes. In the event of model recovery problems or to suit meteorological conditions, the Jury may permit the maximum

for a round to be changed. Such a modified maximum must be announced before the start of the round.

3.H.8. Classification

- a) The total time of the five flights is taken for the final classification.
- b) In order to decide the individual placings when there is a tie, additional deciding flights shall be made immediately after the last flight of the event has been completed. The maximum time of flight in each additional round shall be increased by one minute on the maximum time of flight in the previous round.

The organiser will establish a 10 minute period during which all fly-off competitors must tow and release their model. Within these 10 minutes, the competitor will have the right to a second attempt in the case of an unsuccessful attempt for an additional flight according to para 3.H.5.

3.H.9 Timing

- a) See Section 4b, para B.13.
- b) The total time of flight is taken from the release of the model from the launching cable to the end of the flight.

3.H.10. Number of Helpers

The competitor is entitled to have one helper at the starting position.

3.H.11. Launching Devices

- a) The glider must be launched by means of a single cable; its length including release equipment and the launching device shall not exceed 50 metres when subjected to a tensile load of 2 kg. Metal cables are prohibited.
- b) Any devices attached to the launching cable must not be thrown by the competitor, under penalty of cancellation of the flight. The competitor may release the launching cable and a lightweight marker, such as a ring, pennant or small rubber ball, at its end.
- c) To facilitate observation and timing, the cable must be equipped with a pennant, having rectangular shape of a minimum area of 2,5 dm² and the smallest side of at least 5cm, attached directly to the main cable.
- d) All types of auxiliary stabilising devices on the cable are forbidden.

3.H.12. Organisation of Launching

- a) The competitor must be on the ground and must operate the launching devices himself (jumping allowed).
- b) All freedom of action and movement is permitted to allow the best use of the cable, except the throwing of the launching device.
- c) The model must be launched within approximately 5 metres from the starting pole position.