New Class

CLASS F1S – Electric Power Model Aircraft "E36"

These rules for Class F1s are to be used in conjunction with the relevant paragraphs of Section 4b and 4c part 1.

3.S.1. Definition

A model aircraft which is powered by an electric motor and in which lift is generated by the aerodynamic forces acting on surfaces remaining fixed in flight. Changes of camber or incidence during flight are not permitted on any flying surface.

3.S.2. Characteristics

Minimum total weight of model ..... 120 g

Maximum duration of motor run ..... 10 seconds from release of model

Maximum projected wing span 914.4mm

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 F1S.

3.S.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. The competitor launch his model during the round for the official flight, including attempts and repeated attempts.

3.S.4. Definition of an Official Flight

a) The duration achieved on the first attempt unless this attempt is unsuccessful under the definition of 3.S.5. (If the attempt is unsuccessful for reason 3.S.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 definition of 3.S.5.b., then a zero time is recorded for the flight.

3.S.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) if the time of the motor run from the release of the model exceeds the time specified in 3.S.2 or 3.S.8 as appropriate for the flight
b) when a part of the model becomes detached during the launch or during the flight.
a) the flight duration is less than 20 seconds,

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3.S.6. Repeat of an Attempt

An attempt may be repeated when the model collides with another model in flight or a person other than the competitor himself, while being launched. Should the model continue its flight in a normal manner, the competitor may demand that the flight be accepted as an official flight, even if the demand be made at the end of the attempt.

3.S.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.S.8. Classification

a) The total time of the five flights is taken for the final classification.

b) In order to decide the winner when there is a tie, additional deciding flights shall be made immediately after the last flight of the event has been completed. The motor run for the additional flights will be 5 seconds. The maximum time of flight for the first additional flight shall be two minutes and the maximum time of flight in each subsequent additional round shall be increased by one minute over the maximum time of flight in the previous round.

The organiser will establish a 10 minute period during which all fly-off competitors must launch their models. 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.S.5.

3.S.9. Timing

a) See Section 4b, para B.13.

b) The total time of flight is taken from the launch of the model to the end of the flight.

3.S.10. Number of Helpers

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

3.S.11. Launching

a) Launching is by hand, the competitor being on the ground (jumping allowed).

b) Each competitor must launch the model himself.

c) The model must be launched within approximately 5 metres from the starting pole position.

Reason: The E36 class has proven popular and practical in the USA where it originated and in other countries where the class has been introduced. It will make a suitable electric model to fly alongside the established 2-minute classes like F1G and F1H.

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