

Rules for Kit Scale models

International Indoor Fly In

Version: 2017



Nijmegen, Netherlands

6.4.11 SCALE INDOOR KIT SCALE

6.4.11.1 Qualification

This competition is open to any scale model built from a commercial kit that meets the following general characteristics:

Maximum weight..... 200g (including motor)
Maximum wing loading 15g/dm²
Motive Power.....rubber, CO₂ or electric

Models of gliders are approved for this competition, they may be launched in any manner appropriate to the subject aircraft modelled. A single helper is permitted to assist with the launch.

No declaration as to compliance is required from the competitor but the judges reserve the right to weigh and exclude any model they suspect of being overweight.

Models may be built from kit parts or the builder's own wood but the kit plan must be provided as authentication.

Alternative material to that provided in the kit may be used for covering and for the application of colour and markings.

The only modifications permitted from the original kit are those associated with fitting an alternative power source, a replacement propeller (including for rubber), wheels and moving the rear motor peg for rubber powered models.

6.4.11.2 Documentation

The minimum documentation required is the original (or photocopy) plan from which the model was built and one photograph, drawing or painting (e.g. box art) of either the aircraft modelled or a similar aircraft from the same era to authenticate the general colour scheme and markings.

6.4.11.3 Static Judging

The philosophy is different from other scale classes in that models are judged against authenticity and accuracy to the kit plan rather than absolute accuracy to photographs and 3 views.

Marks will be awarded up to the maximum of 100 to reflect the quality of workmanship and character of the models as follows:

- (a) Workmanship (finesse, accuracy to plan, warps, neatness of covering etc)...(60%)
- (b) Authenticity of Colour Scheme & Accuracy of Markings (if present) (20%)
- (c) Overall Character(20%)

It is expected that most models will have a coloured tissue finish with painted, printed, transfer or tissue markings. Fully painted models or those using extensive computer generated colour schemes will not be excluded but will have 5 marks deducted from their static score. 5 marks will also be deducted for each significant deviation from the original design other than those permitted above, or specified on the plan. (Typical deductions include: increased dihedral, separate control surfaces where these are not shown on the plan etc)

6.4.11.4 Definition of an Official Flight

An official flight shall be recorded when the competitor releases the model with the intention of making an official flight. The model must remain airborne for at least 10 seconds for the flight to be judged and a flight score returned.

6.4.11.5 Number of Flights

Each competitor should have the opportunity to make a minimum of 4 flights.

6.4.11.6 Flying Time

A minimum period of 15 minutes shall be allocated for trimming before the competition begins. Thereafter, each competitor shall be called five minutes before he/she is required to occupy the starting area. The model shall be released, after confirming that the flight judges are ready, within a period of 3 minutes, plus one minute for each additional motor. Failure to comply will result in the loss of the flight. Only one release is permitted during the allocated time.

6.4.11.7 Marking

Each phase of the flight will be awarded marks between 0 and 10 by each judge during the flight as follows:

- (a) Take-off K = 1
- (b) Initial Climb.....K = 1
- (c) Descent and Landing Approach.....K = 1
- (d) Quality of LandingK = 1
- (e) Realism in Flight (speed, 'sit', stability and character)K = 2

6.4.11.8 Flight Score

The flight score will be the aggregate of the 2 highest scores awarded by each of 2 judges. If only one flight judge is available, the flight scores will be doubled.

6.4.11.9 Total Score

The total score will be the aggregate of the static mark and flight score (Maximum 340). In the event of a tie, the model with the higher flight score will take the higher place.