

# OMFC Scale Rubber Duration Rules V1.1

## Eligibility

Any rubber powered model of a person-carrying aircraft that complies with the wingspan limits is eligible, other than aircraft such as Lacey M-10, Fike, etc. with a very low-aspect-ratio high-wing ( $\sim < 4$ ) and a box fuselage (or nearly so); models of these aircraft are not eligible.

## Construction and Configuration

Models covered in mylar are not eligible unless tissue is applied over the top. All models must have fixed propellers of at least two blades; folding propellers are not allowed. Aircraft with retractable undercarriage may be modelled with gear retracted.

## Wingspan Limits

- Multi-wing: Greater than 13 inches, up to a maximum of 30 inches.
- Monoplane: Greater than 13 inches, up to a maximum of 36 inches.

## Static Judging

There will be no static judging other than a simple pass/fail judgement by the CD to ensure that the model complies with the rules (i.e. that it represents a real aeroplane rather than a torted-up duration model). The CD's decision is final.

## Documentation

Formal documentation is not normally required but see "Bonuses and Penalties" below.

## Finish, Colour and Markings

The colour scheme is to be in keeping with the subject aircraft but need not represent a specific full-size aeroplane. Tissue finishes and markings are entirely acceptable. Models covered in plain tissue with no markings can still be entered but will attract penalty points.

## Bonuses and Penalties

The following cumulative bonus and penalty points will apply:

Bonus/Penalty	Feature
0	High-Wing Cabin and Shoulder-Wing Monoplanes.
5	Mid-Wing.
10	Low Wing.
10	Multi-Wing (biplane, triplane, etc.) or Sesquiplane.
10	Seaplane with multiple floats of proportional scale dimensions.
10	Flying boat or Amphibian.
15	Multi-Engine with propellers mounted each side of the centreline (e.g. D.H. Mosquito, etc).
-15	Model does not have representative markings (e.g. national military or civil markings). This penalty will be waived on production of published documentation that validates the chosen colour scheme.

## Entries

Competitors are allowed to enter two models, but only the highest-scoring model will count for a prize.

## Flying

Competitors will be able to make at least three official flights with each model to a maximum time set by the CD on the day (usually 90 seconds). The time for each flight will be rounded down to the nearest second. Any flight of less than 20 seconds counts as an attempt and will not be scored.

The best flight score for each model will be used to calculate the final score. The final score for each model is calculated as follows:

Final score = best flight score + total bonus/penalty points

After all flights are finished, the model with the highest score is the winner. Second and third places may also be awarded at the CD's discretion if funds/prizes allow. If there are one or more ties, the CD will organise a fly-off.