



Academy of Model Aeronautics

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RULES CHANGE PROPOSAL FORM INSTRUCTIONS

This document is designed for you to print out and write your proposal. If you want to type your proposal, PLEASE go back to the website and select ONLINE RULES PROPOSAL FORM. Please complete this form, scan into your computer and email it to: ruleschanges@modelaircraft.org. A copy will be forwarded to the appropriate Contest Board Chairman. The current issue of Competition Regulations must be

PROPOSAL NO. OFF19-08 V2

(To be inserted by Headquarters)

RECEIVED DATE 03/13/2018

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REVISE DATE 03/13/2018

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VERSION NUMBER 2

(To be inserted by Headquarters)

PROPOSAL TYPE (Check One) Basic Urgent Safety/Emergency Interpretation

Cross (Indicate Original Proposal Number) _____

SELECT APPLICABLE COMPETITION REGULATIONS

- | | | | |
|--|---|---|--|
| <input type="checkbox"/> General Section | <input checked="" type="checkbox"/> Outdoor Free Flight | <input type="checkbox"/> Indoor Free Flight | <input type="checkbox"/> CL General |
| <input type="checkbox"/> CL Speed | <input type="checkbox"/> CL Racing | <input type="checkbox"/> CL Navy Carrier | <input type="checkbox"/> CL Aerobatics |
| <input type="checkbox"/> CL Combat | <input type="checkbox"/> CL Special Events | <input type="checkbox"/> RC Aerobatics | <input type="checkbox"/> RC Scale Aerobatics |
| <input type="checkbox"/> RC Pylon Racing | <input type="checkbox"/> RC Helicopter | <input type="checkbox"/> RC Soaring | <input type="checkbox"/> RC Fixed-wing Scale |
| <input type="checkbox"/> CL Scale | <input type="checkbox"/> RC Combat | <input type="checkbox"/> RC Special Events | |

Brief summary of the proposed change.

Shorten motor runs for E36 models with a static Wattage above 75 Watts.

Exact wording proposed for the rule book. (List paragraph numbers where applicable. Example: Change “quote present rule book wording” to “exact wording required”).

2.3. E-36 Power Requirements and Motor Runs (page 28) (*addition in bold*)
(Add the following)

4. Motor runs

I. Models with a static Wattage of 75 Watts or less:

- 10 (ten) seconds for the first 4 flights (3 official, the first flyoff),
- 5 (five) seconds in subsequent flyoff flights.

II. Models with a static Wattage *exceeding* 75 Watts:

- 5 (five) seconds for the first 4 flights (3 official, the first flyoff),
- 3 (three) seconds in subsequent flyoff flights.

5. Static Wattage

Defined as the Wattage reading of a static E36 model, 3 seconds after releasing the launch button with a fully charged battery. A Wattmeter is placed between the model's battery and

controller, using 2 mm bullet connectors with a male connector on the battery's positive (red) lead. The reading is marked clearly on the model's pylon. A model without a specified static Wattage is presumed to have a static Wattage above 75 Watts. A failed post-flight static Wattage test annuls a flyers score.

(Erase references to E36 motor runs in table 3.2 on page 28.)

Logic behind proposed change, including alleged shortcomings of the present rules. State intent for future reference.

The performance of electric motors usable in E36 has sky rocketed in the last few years. The top flyers use 120+ Watt motors, reaching heights of 180-190 meters in 10 seconds. (Heights recorded with altimeters.) In practice they are fly with 5 seconds motor runs in all flights (and usually win). So high Wattage models, defined as exceeding 75 Watts, will have 5/3 seconds motor runs. The rest will continue flying with the standard 10/5 seconds motor runs.

It is argued that the different Wattage based motor runs will achieve **parity** between the two groups of E36 flyers. Both will compete in the same contest, fly to the same maxes and be entitled to the same records. Note that a flyer with two E36 models with a static Wattages above/below 75 Watts can interchange the models in subsequent flights, but each model is flown with its prescribed motor run.

The static Wattage of a E36 is presumed to be high. So those who want to fly their E36 models with the traditional 10/5 seconds motor runs have to prove that their motors have a static Wattage under 75 Watts. (Flyers with a Wattage that is very close to 75 Watts should slightly curtail the model's power.) The added overhead is rather low – acquiring a Wattmeter and creating suitable harnesses between the battery's connectors and a pair of 2 mm bullet connectors. Wattage enforcement is by a random post-flight static Wattage field test.

New event test data/information (new events only), please provide what testing of this new event has taken place to include number of participants and number of contests.

NA

Effect, if any, on current AMA records.

Annul the existing E36 record.

Note: The Contest Board Chairman may, in coordination with the submitter of the proposal, at any time prior to submitting a proposal to the Contest Board for Final Vote, edit proposal wording to increase clarity and to avoid ambiguity provided the proposal intent is not changed.

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