

2024 R/CU Proposed Rules

Fast Electric – 1/8th Scale

Proposal 1

Section XII, Paragraph G, Section 1b, states “All boats must be in constant forward motion by the 30 second mark and will remain in constant forward motion until the start of the race”. If the boat stops, the rules will be modified to the following:

If this occurs between the 30 second mark and the start of the race, the boat is given a one lap penalty. (Note: This is consistent with the existing rule) If the boat has not passed the score up buoy (start/finish buoy) and this occurs, https://www.ercu-hydros.com/vintage_boats.html the boat is disqualified from the heat.

If an FE boat stops on the course, for any reason, and does not continue racing before the last place boat finishes, the stopped boat is disqualified and is not allowed to continue.

Proposal 2

The “re-winding” of electric motors is prohibited. All motors used must be stock wound from the factory. If a participant is found to be using a re-wound motor, they will forfeit all points and race wins earned with that motor. They will also be suspended for the two following races. Before being able to enter another race, the participant must prove that their motor has not been re-wound. The burden of proof is on the participant.

There are two options for enforcement of this rule:

Option #1 – Utilize the Brushless Motor KV Output Inspections as outlined in RCU FE Rules Section XII, Paragraphs E and F.

Option #2 – Establish a Motor Claim Rule. Following a Fast Electric race, if a Fast Electric race participant feels that the winning boat’s motor has been re-wound and is out of spec, they may purchase the winning motor on the spot. The purchase price will be an established list price for each approved motor. This must be paid immediately via cash, check, Venmo, etc. The winner must immediately turn over their motor once the funds have been exchanged. The participant purchasing the motor must use the purchased motor in their next race.

Proposal 3

The NEU 1527 1.5Y 850KV is one of the approved FE motors. NEU no longer manufactures this motor. A NEU 815KV option is available that meet the rules. An 880KV option is available that does not meet our rules.

Should RCU add the NEU 1527 1.5Y 815KV to the approved motor list?

Gas Scale

Proposal 1

Change the maximum sized engine from 30.99 cu. centimeters to 34.99 cubic centimeters.

Please also comment on the method to introduce the new motor size.

For example:

Introduce in 2024

Introduce in 2025

Trial first for 2024 before authorization

Other

Proposal 2

Air holes not contained in the original design of the boat are allowed with a maximum surface area of 2 square inches. (Please note the original proposal was for 5 square inches. The Board recommended the area to be reduced to 2 square inches)

The air holes must NOT be located in a conspicuous area of the boat. They must be hidden as best possible and not noticeable while the boat is running. (For example, locating the hole behind the dummy driver in the cockpit)