

SAM Electric Replica RC Rules

Goals:

Encourage the building and flying of remote-controlled, replica models of fuel-powered, SAM legal models. Benefit from the reliable, reasonably-priced, micro radio control components. Utilize inexpensive LiPo batteries and the new, inherently safe, LiPo chargers. Have fun!

The Model:

1. Not to exceed 36" in projected wingspan
2. Replica model of any fuel-powered model kitted or built from plans published by
1. December 31, **1950**
2. Motor - any electric brushed or brushless in-runner or out-runner
3. Battery - a 2 cell lithium polymer battery of any capacity
4. Propeller - fixed, no folding propellers
5. Landing Gear - Two-wheel landing gear may be substituted for a single wheel
6. Construction - Construction is at the discretion of the builder
7. Airfoil - Airfoils may be modified, but must retain the characteristic shape of the original,
8. for example: RAF 32 Type, 6409 type, Single Surface type, Clark Y type, and etc.

Flight Task:

1. Motor Run - Motor run is 120 seconds. A restart of the motor after 120 seconds results in a zero score for that flight. This time may be changed at the discretion of the Contest Director.
2. The model's score is the sum of the best two of three flights (10 minute maximum, timed from the start of the motor).
3. In the event of more than one competitor achieving two maximum flights, at the discretion of the Contest Director, the winner may be determined by a fly off.

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[Note: This event has been flown successfully in three consecutive years – 2012, 2013 and 2014 - at the Southwest Regionals in Eloy, AZ. SAM 100 has sponsored special trophies for the first three places. We welcomed rubber-powered replica models (in addition to the fuel-powered types) in those years but none were ever entered. So, this was dropped beginning in 2015. SM]