



Academy of Model Aeronautics

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EXHIBIT A RULES CHANGE PROPOSAL FORM

PROPOSAL NO. _____
(To be inserted by Headquarters)

RECEIVED DATE _____
(To be inserted by Headquarters)

REVISE DATE _____

VERSION NUMBER (1) Event 425: Q40 Sport _____

RULES CHANGE PROPOSAL FORM

Send to AMA Headquarters via email at michelle@modelaircraft.org. A copy will be forwarded to the appropriate Contest Board Chairman.
The current issue of Competition Regulations must be used.

PROPOSAL TYPE (Check One): Basic Cross Indicate Original Proposal Number _____

Urgent/Safety/Emergency Interpretation

General Section Executive Council Outdoor Free Flight Indoor Free Flight CL Speed

CL Racing CL Navy Carrier CL Aerobatics CL Combat CL Special Events RC Aerobatics

RC Scale Aerobatics RC Pylon Racing RC Helicopter RC Soaring Scale Electric

Special Events RC Combat

Brief summary of the proposed change. ___To create a new event provisional event, Q40 Sport

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

__Event 425 : Q40 Sport Provisional

I. Airframe

The airframe specifications for this event are identical to those for Quarter 40 (event No. 422), except that:

- A. Paragraph 16.1.1.f., “prior approval of designs” , shall not apply;
- B. On biplane designs, the following substitute wing thickness measurement shall be used: The thickness measurement shall be used: The thickness of each wing shall be at least 10 percent of wing chord, measured at the root or immediately outboard of any fillet or protuberance that precludes measurement exactly at the root.

II. POWERPLANT

A. ENGINE

The engine specifications for this event are identical to those for Sport Quickie (Event No. 424).

B. PROPELLER

1. **Material:** APC composite or similar, commercially available composite.
2. **Dimensions:** Minimum diameter 8-3/4 inches.
3. **3. Availability, modification:** Propellers shall be commercially available and stock, except as otherwise provided in paragraph 7.5.2

C. FUEL

The fuel shall be commercially available, containing 15 percent nitromethane, and shall be supplied and dispensed by the hosting organization. The dispensing operation shall include draining the tank of any existing fuel and then filling from a supply container when the pilot brings the aircraft to the ready box.

III. SPECIAL PROVISIONS

1. **“Grandfather” clause:** Unmodified, factory-built airframes of the Kangke F3D-30 shall be eligible for use in this event.
2. **Local engine and propeller rules:** The use of an “approved engine” list, “approved propeller” list, or other local rules to keep costs down and avoid differences in speed among contestants is encouraged. Any such rule should be noted on the sanction application form and in all pre-contest publicity.

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

__"Sunday flyers" love the look of Q40 planes, but are scared away by the speed and expense involved in Event 422. This class makes it possible to enjoy low-key racing with aircraft that are sleeker and more exciting than sport Q500s, but still use the economical, throttleable engines as in sport Q500.

Some of the existing Q40 designs may not perform as well unless powered by premium Q40 racing engines. Some will also need longer landing gear struts to accommodate 8-3/4" propellers. However, the success of the Kangke F3D-30 proves that the models in this range of size and horsepower can be excellent performers. In addition, many older Q40 designs could find new life in this event. Used airframes and unassembled kits are readily available.

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.

_This idea has been thoroughly tested, including individual trials and informal head-to-head racing in Colorado, Ohio, Illinois, and undoubtedly other places. It is not a new idea. The proposer flew an approved design, the Stinger I, in 1995 using an ASP .40 , a Pole Cat in 2007 using a Thunder Tiger Pro .40 and most recently a Stinger I, using a Thunder Tiger Pro .40. Flight data on the Pole Cat and Stinger I, showed straightaway speeds ranging from 105 mph to approximately 130 mph, depending on the propeller selection. Handling was normal. Wing strength was not an issue. Safety was not an issue.

Effect, if any, on current AMA records.

None

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.

1. Proposer Peter Johnson _____ AMA

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Date of
Signature 9/4/09 _____