



Academy of Model Aeronautics

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AMA Competition Regulations Rules Change Proposal Form (electronic)

Please complete this form and click on the SUBMIT button at the bottom of the page. This will send the proposal to the Competition Department at AMA HQ. A copy will then be sent to the appropriate Contest Board Chairman. The current issue of the Competition Regulations must be referenced.

Proposal Number: RCP18-05Uv2
Received Date: 11/15/2018
Revised Date: 11/16/2018
Version Number: 1

Select Proposal Type: **URGENT**

Select Applicable Competition Regulations this proposal relates to: **RC Pylon**

Give Brief Summary of the Proposed Change:

This proposal is submitted to add paragraph 7.3.3.

This section defines SAS and allows its use in competition. In addition it identifies what types of systems are not acceptable for use in competition.

7.3.4 Defines how to use telemetry during a heat.

7.3.5 Defines Terrestrial Reference

State exact wording proposed for the Competition Regulations. List paragraph number where applicable. Example: Change "quote present rule book wording" to "exact wording required".

Add paragraphs:

7.3.3 Stability Control and GPS Navigation

Stability augmentation system (SAS) is allowed for use in competition.

The use of a flight controller or global positioning steering system (GPSS) function that will control the aircraft on a desired track with a navigation function is prohibited. Also, any system that provides navigation to fly a programmed course is prohibited. Therefore, there shall be no airborne devices fitted to the model that provides navigational, directional, automatic course or preset position. This specifically does not apply to SAS (stabilization augmentation system) which provide aircraft stabilization only.

7.3.4. Telemetry

Any telemetry or other communications from outside the race course to the pilot or their caller during a race heat is not allowed. Telemetry data such as RPM, battery voltage, etc., sent back to the transmitter to be recorded for review after the flight and/or displayed on the transmitter screen is acceptable. Data logging onboard the aircraft for downloading and review after the flight is acceptable.

7.3.5. Terrestrial Reference

Devices which use any type of terrestrial reference for position data such as Global Positioning Systems (GPS) are not allowed to be fitted to the aircraft. Devices which allow tracking by an automatic racecourse scoring system are allowed to be installed in the aircraft.

State logic behind proposed change, including alleged shortcoming of the present rule(s). STATE INTENT FOR FUTURE REFERENCE:

Telemetry has become common in modern radio equipment and should be allowed to be used but should not be used during a heat, telemetry info like RPM and voltage can be used prior to take off. Terrestrial Reference like GPS should not be allowed in the aircraft.

Devices which allow tracking by an automatic racecourse scoring system should be allowed if these systems ever come to fruition.

Stability Augmentation systems can be used for competition. This technology, soon will be available on most radio equipment. It has been successfully used for more than 2 years in competition. I am not sure what other MFG's will provide, nor do I know how it will impact the sport. In the current state in the current capacity it does not adversely impact competition, in my opinion.

If this proposal is for a new event, include all event test data/information here. Please provide information on what testing of this new event has taken place to include number of participants and number of contests.

N/A

State 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.

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