



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: RCSA19-07

Received Date: 02/21/2018

Revised Date:

Version Number:

Select Proposal Type:

Basic

Select Applicable Competition Regulations this proposal relates to:

RC Scale Aerobatics

Give Brief Summary of the Proposed Change:

To clarify the difference between what is currently called a BREAK and a BREAK IN SEQUENCE.

Change BREAK to SEQUENCE INTERRUPTION and how to apply the criteria. Redraw illustrations to better display

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

Change present rule book wording

6.3: Zero. A zero will be given for:

a: Omitting a figure in the program. In this case, only the omitted figure will be zeroed. For instance, if the pilot omits the center maneuver and flies straight to do the next maneuver, only the center maneuver will receive a zero and the next maneuver will be scored normally.

b: Flying a figure that deviates from the ARESTI drawing held by the judges for scoring purposes. For instance, if the pilot flies a Humpty Bump instead of a Stall Turn, the maneuver will be zeroed.

c: Adding a figure to a program will zero the next following correct figure except when it is necessary to perform a Corrective Maneuver (c.1) due to the previous maneuver not being completed as per the program. A zero will be given to the figure immediately following any other added figure, even if the following figure is performed correctly.

c.1: A Corrective Maneuver can only be a turn of 270 degrees or less, and /or a roll of 180 degrees or less. In this case, a break penalty will be assessed against the competitor's raw score prior to normalizing.

For instance:

1: If the exit of a maneuver is done upright instead of inverted (the pilot forgot to perform a ½ roll on the downline), and corrects this by doing ½ roll after the exit, on the horizontal line, the original maneuver will be zeroed because the ½ roll was omitted on the downline, however the following maneuver will be scored because this ½ roll was added only to correct the attitude of the aircraft for the beginning of that next maneuver (Figure 9). A break penalty will be applied, see Rule 6.3.c.1.

Figure 9

2: If the pilot exits the maneuver in the wrong direction on the X-axis (pull instead of push at the bottom of a figure), then adds a 180 degree turn and a 180 degree roll to correct the mistake and comes back to the correct flight direction he/she will be assessed a break penalty, see Rule 6.3.c.1. The original maneuver will be zeroed because the exit ¼ loop was not performed per the ARESTI, and the following maneuver will be scored from wings level after the completion of the 180-degree turn and roll.

Note: Corrective actions that exceed 270 degrees of turn and or 180 degrees of roll constitute a Break in Sequence.

d: Break in the sequence. A break in the sequence is characterized by a total departure from the sequence to be flown. For instance, a pilot that becomes disoriented; aborts the maneuver and circles around a couple times before resuming the sequence again. Another example might be a pilot that aborts a maneuver thinking that the aircraft has equipment problems, makes a couple of fly-bys in order to confirm that everything is operating normal, and then decides to resume the sequence. A deadstick, or a landing during the sequence shall not be considered as a break and all remaining maneuvers that were not flown will be zeroed.

When a Break in Sequence occurs, the figure in progress (at the time of the break) shall be zeroed and a break penalty will be assessed against the competitor's raw score prior to normalizing. Situations may occur where a pilot performs an incorrect maneuver, resulting in a zero, exits that maneuver improperly, and then performs a break in sequence. In this instance, the pilot receives a zero for the first failed maneuver, and a zero for the next maneuver in which the Break in Sequence occurred (Figure 10).

Figure 10

TO EXACT WORDING

6.3: Zero. A zero will be given for:

a: Omitting a figure in the program. In this case, only the omitted figure will be zeroed. For instance, if the pilot omits the center maneuver and flies straight to do the next maneuver, only the center maneuver will receive a zero and the next maneuver will be scored normally.

b: Flying a figure that deviates from the ARESTI drawing held by the judges for scoring purposes. For instance, if the pilot flies a Humpty Bump instead of a Stall Turn, the maneuver will be zeroed.

c: Adding a figure to a program will zero the next following correct figure except when it is necessary to perform a Corrective Maneuver (c.1) due to the previous maneuver not being completed as per the program. A zero will be given to the figure immediately following any other added figure, even if the following figure is performed correctly.

c.1: A Corrective Maneuver can only be a turn of 270 degrees or less, and /or a roll of 180 degrees or less. In this case, a break penalty will be assessed against the competitor's raw score prior to normalizing.

For instance:

1: If the exit of a maneuver is done upright instead of inverted (the pilot forgot to perform a ½ roll on the downline), and corrects this by doing ½ roll after the exit, on the horizontal line, the original maneuver will be zeroed because the ½ roll was omitted on the downline, however the following maneuver will be scored because this ½ roll was added only to correct the attitude of the aircraft for the beginning of that next maneuver (Figure 9). A break penalty will be applied, see Rule 6.3.c.1.

Figure 9

2: If the pilot exits the maneuver in the wrong direction and/or attitude on the X-axis or the Y-axis, a sequence interruption has occurred. A zero will be assessed for the interruption. Should a "corrective maneuver" (c.1) fix the mistake and comes back to the correct flight direction, judging will resume at that point and he/she will be then be assessed a break penalty, see Rule 6.3.c.1. The original maneuver will be zeroed because improper exit was performed per the ARESTI, and the following maneuver will be scored from wings level and in the correct attitude and heading.

Note: Corrective actions that exceed 270 degrees of turn and or 180 degrees of roll constitute a Break in Sequence.

d: Break in the sequence. A break in the sequence is characterized by a total departure from the sequence to be flown. For instance, a pilot that becomes disoriented; aborts the maneuver and circles around a couple times before resuming the sequence again. Another example might be a pilot that aborts a maneuver thinking that the aircraft has equipment problems, makes a couple of fly-bys in order to confirm that everything is operating normal, and then decides to resume the sequence. A deadstick, or a landing during the sequence shall not be considered as a break and all remaining maneuvers that were not flown will be zeroed.

When a Sequence Interruption occurs, the figure causing the interruption shall be zeroed and a break penalty will be assessed against the competitor's raw score prior to normalizing. Situations may occur where a pilot performs an incorrect maneuver, resulting in a zero, exits that maneuver improperly, and then performs a Break in Sequence. In this instance, the pilot receives a zero for the first failed maneuver, a break penalty, and a zero for the next maneuver as the penalty for performing a Break in Sequence (Figure 10).

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

Existing rule has been interpreted differently. This NEW wording should clear up most or all of the confusion from a judging stand point.

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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