

SRAC 0.049/0.061 Pylon Racing Rules (1/2 A)

1. **OBJECTIVE:** To provide a racing event, using inexpensive and easily handled open design small airplanes, in order to encourage typical R/C flyers to participate in pylon racing.
2. **GENERAL:** All AMA and FCC regulations shall apply except as noted herein. Each contestant shall be allowed two (2) airplanes, the second to be used only if the first is judged to be unserviceable. Unsportsmanslike behavior will be cause for disqualification.
3. **RADIO GEAR:** Any legal radio may be used. A minimum of two channels to be actuated, namely, elevator and ailerons or elevator and rudder.
4. **ENGINE:** The engine used shall be the Cox Tee Dee .049/.051 or Norvel .049/.061. The engines may be modified to use crankcase pressure. Any glow plug may be used including the Nelson glow plug and head. The screen may be removed from the venturi. Standard mufflers, as available, are mandatory. Throttles are not required, but a means to shut off the engine must be provided. A rigid fuel tank pickup tube, which requires that the airplane be flown inverted, is satisfactory. On Cox TD's only, the venturi may be drilled to a diameter no greater than 5/32 inch and the needle valve may be replaced with Kern or Ace assemblies. In addition, the cylinder may be shimmed to bring the engine to Cox specifications.
5. **FUSELAGE:** The airframe must comply with AMA regulations, event 423, paragraph 16.4, except that the frontal area of the fuselage may be less than the stated 3 ½ in depth by 2 ¼ in width. Power pod and boom fuselages are not permitted.
6. **WEIGHT:** Minimum weight 16 ounces, maximum 32 ounces.
7. **PROPELLER:** Only commercially available wood or plastic propellers may be used. The diameter may be reduced and balancing is allowed.
8. **FUEL:** Fuel must be no greater than 25% nitro.
9. **RACE OPERATIONS:**
 - a. Races will be run over the Half-A course
 - b. A maximum of four (4) airplanes per heat
 - c. All launching by hand
 - d. Each heat will consist of ten (10) complete laps beginning with a flying start at pylon No. 2, the start and finish line will be between pylons 1 & 3 in line with the race officer.
 - e. If a contestant cuts a pylon he will fly one (1) extra lap, if he cuts twice he will be disqualified from that heat.
 - f. A time of one (1) minute will be allowed after the start engines signal to crossing the flying start line (pylon #2). A contestant who has not launched before the leader completes five (5) laps is disqualified from that heat.
 - g. All laps will be flown counterclockwise.
10. **SCORING:**
 - a. Scoring will be – first place- 4 points; second – 3 points; third – 2 points; fourth – 1 point. Each race day total may be normalized to the maximum possible score for that day.
 - b. Any contestant who does not attend an official race day will receive a score of zero (0) for that day. Cancelled race days are not included in any of the season scoring results.
 - c. Contestants will drop their lowest score after two or more race days.
11. **EXCEPTIONS:** There will be no exceptions to the above rules. (Other than under conditions of extreme urgency or at the discretion of the Contest Director on a one time basis). Revised 2/8/2019