

I. BASIC RULES

- A. “PER” at the end of a rule means “as per existing FAC Rules”
- B. Designs must be of man-carrying gliders and not powered by engines, motors, or rockets.
- C. Maximum 36 inch projected wingspan.
- D. Full fuselage cross section required, no profile fuselages PER.
- E. Dihedral, stab and fin are can be reasonably increased, PER.
- F. No under-cambered wing airfoils unless original had them, PER.
- G. Only the main-exposed wing struts are required. (to allow easier wing detachment for transport)
- H. DT allowed, PER.
- I. Two-position auto-rudders are allowed, to allow straight towing and
- J. Flying wing type gliders may use an axillary rudder for towing only.
- K. Fully exposed pilots, as in “ultra-light “ gliders must be represented by at least a full profile pilot.

II. SCALE JUDGING

- A. Scale Points: Existing three categories and points-allotted to be used, PER
 - 1) Construction and Details
 - 2) Coloring and Markings
 - 3) Workmanship
- B. 3-Views and Documentation required, PER.

III. BONUS POINTS

- 0 — high wing cabin and shoulder wing monoplane
- 3 — parasol wing
- 5 — mid-wing
- 5 — canard or tandem wing
- 10 — low wing
- 15 — biplane or sesquiplane;
 - + 5 for each additional wing
- 10 — seaplane, but only with additional floats (these exist!)
- 10 — flying wing
- 3 — exposed landing gears with struts; skids or fuselage mounted wheels are not eligible for this bonus
- 5 — fully exposed pilots in 3-D

IV. FLIGHT RULES

- A. Hi-Start Launch required (see “V. Hi-Start Specs” below)
- B. Recommend two persons for each launch:
 - 1) The person holding and releasing the aircraft;
 - 2) A timer at the launch post. *Timer should stand ready to disengage the Hi-Start line from the post in the event that a launch goes awry.*
- C. Minimum official flight = 20 seconds.
- D. Maximum official flight = 90 seconds.
- E. Timing starts when line detaches from the model and the flag drops.
- F. Attempt is canceled if the towline:
 - 1) fails or is intentionally disengaged during the ascent before separation
 - 2) is hit by another flying model causing premature separation
 - 3) is entangled by another person or chase vehicle causing the above

V. HI-START SPECS

- A. Equipment to be supplied and/or approved by the CD. **All flyers must launch from the same post.**
 - 1) A post driven into the ground of sufficient length to attach the towline 3 to 4 feet above the ground.
 - 2) A length of rubber, approx. 25 feet of 1/16”, with a quick-release ring at the post end.
 - a. rubber length / thickness may be modified as required for conditions.
 - 3) A length of light weight, hi-visibility line up to 125 feet long.
 - a. Line length may be shortened at CD’s discretion.
 - 4) A high visibility resistance / time start flag of 12 inches square, attached no more than 2 feet below the aircraft attachment ring

VI. FLIGHT / TOTAL SCORING

- A. Flight Score = Best 3 of 6 official flights. Combined total, no factoring.
- B. Scale Points + Bonus Points + Flight Score = **Total Score**