

Control Line Competition Rules

G.10 BALLOON BUST (PROVISIONAL)

10.1 Objective

The purpose of this event is to test a flyer's ability to fly his model over a fixed barrier and attack a fixed ground target (to break balloons through contact with the propeller).

10.2 Aircraft Requirements

- (a) Any model, be it full bodied or profile, having a fixed landing gear with a wheel, is permitted.
- (b) Balloon breaking devices (sharp or pointed wing protrusions) will not be allowed.
- (c) Flaps will be allowed.

10.3 Engines

- (a) Shall be of the reciprocating internal combustion types with piston displacement from .15 through .40 cubic inches.
- (b) Throttles will be allowed.

10.4 Control Line Requirements.

- (a) Shall be as follows:

Engine Size:

.15 cu. in. disp.
Over .15 cu. in. disp.

Line Dimensions:

.012" dia., 52' long.
.015" dia., 60' long.

- (b) No single line system of control will be allowed.
- (c) Pull test shall be 100 lb. Per cubic inch of engine displacement.

10.5 Circle Layout

- (a) The barrier and target balloon shall be laid out on an arc suitable to the length of lines used by the contestant.
- (b) The balloons shall be fastened to the end of a 3' stick of 1/4" x 1/4" balsa wood, one at a time, and held upright in a 2 x 4 or other suitable object secured to the ground by spikes or other suitable fastener.
- (c) A minimum of 5 holes should be drilled in the 2 x 4, in case holes become plugged by broken sticks.
- (d) A second balloon (Barrier) shall be located in a suitable holder at least 15' in front of the target balloon on the same circumference line.

- (e) The centre of the circle shall be marked to suit the length of lines being used by the contestant.

10.6 Duration of Flight

- (a) Each contestant will be allowed five minutes in which to attempt to break five balloons.
- (b) The five minutes will commence on a signal from the contestant or pit crew that they are ready to start the engine.

10.7 Flight

- (a) The model must fly in a counter – clockwise direction at all times.
- (b) At no time shall the model fly higher than a 45-degree angle with the ground.
- (c) To score a broken balloon, the model must fly over the barrier balloon without breaking that balloon or stick, and break the target balloon. Broken sticks shall not constitute a broken balloon.
- (d) If the barrier balloon is broken or is knocked over by the model or lines, the number of balloons broken up to that point and a total time of five minutes is counted as the final score for that contestant.
- (e) When a balloon is broken, the contestant must fly at least one complete lap at an altitude 45 degrees, so that the target balloon may be replaced. The contestant must fly at this altitude until the person replacing the balloon has cleared the target area.
- (f) In the event that two or more contestants break all of the balloons, the winner will be the one to do it in the shortest time.