

# **3rd Annual 1cc Multi-Engine Profile Scale contest**

**Christopher Columbus Park, Tucson, AZ, October 10-11, 2009 (AMA Class 'C' sanction)  
Scale Judging/Practice/Dial-In: Saturday, 0900. Official Flights: Sunday, 0900**

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\* For profile fuselage models of heavier-than-air aircraft having piston, turboprop or jet power. "Jet" replicas may use tractor and/or pusher props. Prototypes need not have flown but must have been built—photos and/or other proof required (see "Documentation", below).

\* Any glow or diesel power (no electrics)...each not to exceed .061 c.i. (1cc) displacement.

\* Two categories: "Unlimited" and "Limited" (details below).

\* Seaplanes/flying boats may use non-scale devices for takeoff & landing (e.g.: dollies, or small recessed wheels in the hull and/or floats). If neatly and inconspicuously executed, those will not be penalized during static scoring.

\* Multiple entries allowed. May enter both events if desired. May also enter more than one model in each category.

\* Maximum width of profile fuselage and engine nacelles: **one** (1) inch. May be less, if desired. Engine **cowlings** of any diameter allowed.

\* Time limit to become airborne: 3 minutes per engine. **Unlimited attempts allowed for ONE official flight. Must fly a minimum of 10 laps with all engines running.** (If all engines fail to run for at least 10 laps, the flight will count as an ATTEMPT.) This applies to both Limited and Unlimited categories.

\* AMA Safety rules apply. Safety thongs required. No alcoholic beverages on the field. See below for line size/diameter requirements.

\* Scale documentation required, to include accurate 3-views from a reliable source...limited to not more than **eight** (8) pages, preferably arranged in a loose-leaf notebook. (3-views having more than one page will be counted as one page.) Scale judging (Saturday) will be "close-up & personal", not stand-off. Details will count!

\* Proxy-flown entries invited. Must make own arrangements with a local pilot of your choice, and be responsible for shipping everything needed except fuel. Pilot must be same age group or less. Builders in attendance may have a proxy flyer if physically unable to fly, and with the permission of the CD.

\* Entry fee: Open - \$10, plus \$5 for each additional entry. (Jr./Sr.: free.)

\* Awards: (to be determined).

## **SCORING:**

**'LIMITED' category:** (For models having pitch control **only**. No throttles or other functions controlled by timers, electronics or other means) =

Accuracy of shapes and outlines: 0-20

Color, finish, markings and details: 0-20

**Min. 10 laps, all engines running: 0 or 10**

Quality of flight (realistic T/O, Level Flight & Landing): 0-20

**Bonus (max) for more than 1 wing: 5**

**Bonus (max) for more than 2 engines: 5**

**Maximum total possible.....80**

(Continued)

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**'UNLIMITED' category:** (For throttle-equipped models having any number of functional ground or flight features) =

Accuracy of shapes and outlines:	0-20
Color, finish, markings and details:	0-20
Min. 10 laps, all engines running:	0 or 10
Quality of flight (realistic T/O, Level Flight & Landing):	0-20
Options ( <b>choose only 3</b> ). <b>Must declare prior to flight:</b>	
- Proto taxi (pre- or post-flight):	0-10
- Sustained high flight (min. 30 deg., 2 lap min.):	0-10
- Wingover (near vertical; min. 60 degrees):	0-10
- Inside Loop (1):	0-10
- Lazy Eight (1):	0-10
- Touch-and-Go:	0-10
- Optional maneuver or function (if performed by the full-scale subject):	0-10
Bonus for more than 1 wing:	5
Bonus for more than 2 engines:	5

**Maximum total possible**.....110 (remember: **3 options max.**)

No restrictions on line length, other than 70' max. All flying will occur on a smooth asphalt circle.

Minimum line diameters:

Total displ. .080 or less -- .008 stranded or solid.

Total displ. .081 to 0.25 -- .012 stranded; .010 solid (2 or 3 line systems).

Total displ. more than 0.25 -- .015 stranded; .012 solid (2 or 3 line systems).

Pull Tests:

Total displ. .080 or less – 5 pounds.

Total displ. .081 to .2550 – 15 pounds.

Total displ. .2551 to .4028 – 30 pounds.

Choose your subject and start building NOW. These things take longer to build and finish than you might think!

Questions? Contact Mike Keville, [vsc-guy@cox.net](mailto:vsc-guy@cox.net) or 520-307-1523.

Contest Director: Robin Sizemore, [expstunt@cox.net](mailto:expstunt@cox.net)