

USIC AMA INDOOR NATIONAL CHAMPIONSHIPS 2011 Rules and Such

Registration: Please pick up your packet from Phil Sullivan at the AMA registration table. All entrants must be members of the AMA or MAAC, or, if from a country other than the US or Canada, have an AMA Affiliate membership. Onsite AMA registration will be available.

All current AMA rules apply, and can be found in the AMA rulebook in the 200 section, Indoor Free Flight, or print out your copy at www.modelaircraft.org/files/events/rulebooks/indoorfreeflight.pdf. Rule change proposals do not apply.

FAC rules will govern the following events, with exceptions noted. A copy of the FAC Rulebook may be had by sending \$3.00 to FAC-GHQ, Ross P. Mayo, CINC, 4207 Crosswinds Drive, Erie, PA, 16506. We will try to run Pseudo Dime Scale instead of regular FAC Dime Scale this year, as per page 28 of the FAC rulebook, as it is easier and more fun.

- FAC Pseudo Dime Scale
- No-Cal Scale (see rules below)
- WWI Mass Launch (Min 45 scale points required. Single flight. Last down wins)
- WWII Mass Launch Min 45 scale points required. Single flight. Last down wins)
- FAC Scale (No jumbos allowed)
- FAC Peanut

Scale judging location still to be determined. Report to Dave Thomson or his assistant Abram VanDover with your model(s) and scale documentation by noon on the day before your event for instructions.

Science Olympiad can be flown Friday and Saturday mornings, if there is interest, and have an Open/Unlimited event.

Bostonians are to be identified with your AMA number on a 3 x 5 card under the wheel.

AROG is back this year. Build one and support this event! Rules below.

Balloons will be kept under the ledge of the bleachers when not in use. No exceptions. Do not leave balloons unattended in flying area.

Boxes can be dropped off Tuesday afternoon until 7 pm. Glider practice only has been arranged for this day. No other flying. Bring your own lighting and extension cords. **Ten tables and twenty chairs** are available for use. The rental rate for one table and two chairs is \$25.00. The AMA Event Director, or his designee, will collect all rental fees from participants.

Timing of Flights may be required of all Senior and Open entrants. Be happy and volunteer. Bring your stopwatch. The official time clock will be on the CD table. Synchronize your watch when you arrive each day.

Mass Launches will be in the center of the floor at the designated time on your schedule. There will be 10, 5 and 1 minute announcements, but it is your responsibility to be ready.

Have Fun most of all, and let's work together to make this the best Indoor Championships ever. The NFFS is the Special Interest Group running and operating this contest, providing trophies, and helping to pay the rent. If you are not a NFFS member, please see your friendly Event Director, Abram VanDover or NFFS President Phil Sullivan for an application.

P-24 Condor

1. The model must be built according to plan, no deviations allowed
2. The 7-inch prop must be used with no alteration.* The 6-inch Cosmo prop provided with later kits is also legal. Clay or tape may be used for balance.
3. The prop shaft may be lengthened to clear the plastic bearing.
4. Japanese tissue must be used for covering the model.
5. Tip Dihedral must be 1-3/4 inches.
6. The distance between the front hook and the rear motor hook must be 17 inches.
7. The same motor must be used throughout the competition. If the motor breaks it can be retied.
8. Fly-off will be in two rounds. The last five planes to land from the mass launch will have a fly-off for a winner. Note this rule may be altered before the event depending upon the number of contestants.
9. Minimum weight 11.5 grams.

A ROG (ROG Stick)

1. The projected wing area shall not exceed 30 sq. inches.
2. The horizontal stabilizer shall not exceed 50% of the wing area.
3. The motor stick may be a stick or tube made of wood.
4. Launching. See AMA Indoor Free Flight rules paragraph 5.1.
5. Scoring. See AMA Indoor Free Flight rules paragraph 10.
6. All other rules will be governed by the AMA rulebook.

35 CM Stick

1. 35 centimeter (13.77 inch) projected wingspan maximum.
2. AMA General Rules for indoor free flight rubber stick models shall apply

Coconut Scale

1. Recognizable rubber powered scale model, with a max. 36-in wingspan for a monoplane, 30-in wingspan for multi wing.
2. Minimum weight 1-ounce (28.35 grams) without rubber.
3. Built-up fuselage.
4. Scoring: Static points via Mooney rules from a 10-ft distance. Flight from ROG. Best of 3 flights. Tiebreaker is best scale ranking.

A-6

As per AMA rules.

2010 Wright Stuff Division B Rules

1. Only used legal materials (ie. no solid balsa wings nor tail assemblies, no pre-glued joints, no pre-covered surfaces)
2. Mass of plane throughout the flight (excluding the motor) ≥ 7.0 g.
3. This is a monoplane (only one set of wings).
4. Horizontal projected wing span ≤ 40.0 cm. No restriction on wing chord.
5. Horizontal projected stabilizer span ≤ 28.0 cm. restriction on stabilizer chord.
6. Commercially available propeller diameter ≤ 20.0 cm.
7. Mass of rubber motor ≤ 1.5 g.
8. Landing gear not required.

No-Cal Profile Scale

1. A recognizable model of a full-scale aircraft with a wing span not exceeding 16"
2. The weight of the model (excluding the rubber motor) shall be no less than 6.2 grams (2 pennies).
3. No fancy gadgets. Plastic prop is permitted. Balsa and Japanese tissue shall be the main construction materials.
Use of hi-tech materials, such as carbon fiber and boron is not permitted.
4. Model must have control surface outlines, window outlines and registration markings.
5. Win based on best single flight of 5 flights (20 second maximum attempts and 2 attempts/flight)
6. Model must have full landing gear, if fixed gear in full sized aircraft. No profile gear allowed. Models of aircraft with retractible gear may be depicted with gear retracted.

F1-L

1. Weight of model without rubber to be not less than 1.2 grams.
2. All else per EZB rules.

Unlimited Rubber Speed

1. One model per contestant.
2. Propeller(s) driven rubber power only.
3. Model shall ROG from floor unassisted.
4. Model to be timed for two complete laps around two pylons set 20 feet apart.
5. Flights will be disqualified if model touches a pylon or the ground after crossing the starting line.
6. Shortest time for two full laps determines the winner. Time is recorded in tenths of a second, rounded down from hundredths of a second.
7. Nine attempts will be allowed.

Round the Pole Rubber Speed

1. Maximum wingspan 18". No offset wings.
2. Maximum length 24", including prop.
3. Maximum weight 1-ounce (28.35 grams) without rubber.
4. Propeller(s) driven rubber power only.
5. A provision for attaching to a control line swivel must be provided. A loop will do. Must be 12-inches from attach point to C/L of fuselage.
6. Model can circle left or right.
7. Model must ROG within first one half lap.
8. Score will be minimum time for two laps around the pole. Time is recorded in tenths of a second, rounded down from hundredths of a second.
9. Nine attempts will be allowed.

Straight Line Speed

1. Maximum wingspan 18". No offset wings.
2. Maximum length 24", including prop.
3. Maximum weight 1-ounce (28.35 grams) without rubber.
4. Propeller(s) driven rubber power only.
5. Model must ROG from card table and fly a straight line toward a Visqueen backstop. Timing is from model release to impact on backstop. Time is recorded in tenths of a second, rounded down from hundredths of a second.
6. Nine attempts will be allowed.

Race to the Roof

1. Maximum wingspan 18". No offset wings.
2. Maximum length 24", including prop.
3. Maximum weight 1-ounce (28.35 grams) without rubber.
4. Propeller(s) driven rubber power only. No catapult launches or HLG's.
5. Model must ROG from a horizontal position. No VTO.
6. Timing starts at release, and stops when model hits ceiling inside designated area. Time is recorded in tenths of a second, rounded down from hundredths of a second.
7. Nine attempts will be allowed.

Towline Glider

1. Maximum wingspan 18".
2. Maximum chord 5".
3. Maximum length 24".
4. Minimum weight 3 grams.

Indoor Electric Duration (event 221)

1. The model shall be powered by no more than one 10 mAh LiPoly cell and may weigh no more than 10 grams.
2. An electronic speed control is permitted. No remote control equipment is allowed.
3. Scoring is the longest of five flights. An official flight is defined in Section 7 of the Free Flight Indoor Rubber rules.
4. Timing shall be recorded in minutes and seconds, with fractions of a second dropped. Timing begins when the model is hand launched, and ends when the model touches the floor or any part of the building, and ceases movement for longer than 10 seconds.

Wally Miller One Design Early EZ-B Event

1. Model must be built to specifications, to include wood sizes, as shown on plans published in Indoor News and Views Copy #125. For plans contact Abram VanDover
2. Covering must be mylar.
3. Rubber motor to be TAN II
4. Weight will be 1.7 grams
5. Event Director has final word.