

# **Bairnsdale Model Aero Club**

## **ACTIO(n) Meeting Rules**

All pilots must;

- Be MAAA affiliated
- Be capable of flying the model to a gold wing standard or be prepared to demonstrate this capability to the satisfaction of the Contest Director. (This requirement applies specifically to aircraft requiring a heavy model permit. Pilots presenting models of lesser weight must have as a minimum either Silver or Bronze rating dependent on the model.)
- Obey any reasonable directive from the contest director or flight line marshal.
- Provide certification documentation where the model exceeds 7kg
- If using other than 2.4GHz radios, be able to demonstrate that radio has been frequency checked at least once.
- Allow non 2.4GHz radios to be impounded and use frequency keys.

Suitable Model Types

1. All models are to be of a man carrying, heavier than air aircraft. They may be from any source - ARF, ARC, Kit or scratch built.
2. Profile models are not eligible

### **Judging**

#### **Definition - Modified ARF**

A model aircraft commercially built, known as either ARF or ARC, which has been changed to better replicate a specific full size aircraft. Modifications may include items such as (but not specifically):

- Weathering
- Painting/markings
- Covering
- Surface detail
- Pilot access
- Landing gear

**Concourse Judging** will begin on Friday from 1100 through to 1400pm (Only modified ARF's scratch or kit built aircraft are eligible for concourse). On Saturday from 0800 through 1000, then 1100 through 12 noon. On Sunday 0900 through 1000.

**To be eligible for awards the aircraft must be flown at least once over the competition days.**

The contestant must provide proof that the model offered for judging does replicate an actual aircraft, this will include;

- Colour
- Markings - insignia, registration numbers etc.
- Outline
- Scale Features

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Photographs, colour renderings (and 3 view drawings - where appropriate) should be provided supporting the presentation. The more detail provided for the judging of the above elements will enhance scoring.

- Judging will only be on the documentation provided, not on any personal experience of the prototype.
- Judging will be from 5 metres - cockpits/interiors will not be judged.
- The Concourse Score will be the sum of the judges scores.

A maximum of 50 points will be awarded for concourse on the following;

- Colour including the scheme 10
- Marking 10
- Outline 10 (Default is 5 where aircraft is non-outline modified ARF or kit build)
- Scale Features 10 (Maximum of 5 @ 2 points each)
- Concourse 10\*

\* Concourse is subjective - it is the individual judges view of the presented aircraft, it is the WOW factor, and will include craftsmanship and a overall assessment of the above factors

Scale Features include e.g.;

- Multi Engines
- Multi Wings/Folding Wings
- Jet or Ducted Fan
- Flaps
- Speed Brakes
- Bomb/Tank/Water dropping capability (must be included in flight)
- Scale Hinging
- Scale operating undercarriage
- Scale operating pilot access
- Original covering material
- Other (Pilot to nominate)

**Realism Flight Judging** will begin on Saturday and be conducted over periods of 1 hour from 1000 through 1100, then 1300 through 1400, and 1500 through 1600. On Sunday, 1000 through 1100, 1200 through 1300, and 1400 through 1500. Dependent on participant number BADMAC reserve the right to add an additional hour each day at a time to be determined, or if appropriate, reduce the time.

Participants will be allowed to fly once in any of the nominated hourly spreads with a maximum of 3 flights each day. The highest flight score of all participant each judging hour will enter a fly off to determine the daily winner.

Where hourly flight scores are tied then there will be a count back in the following order;

- Realism
- Realism plus Landing
- As above plus take off

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- As above plus first nominated maneuver
- As above plus second nominated maneuver.

Should a count back not determine a winner, then a tie will be declared and all tied pilots will participate in the daily/meet fly off.

The two daily winners will fly off for the flight of the meet. The winner of the hourly session will not be eligible to win any other hourly session on the day. The winner of the daily fly off will not be eligible to win any of the ensuing hourly sessions but will compete in the fly off for the flight of the meet. The hourly winners are not precluded from flights over the ensuing hours but flight scores will not be tallied.

Pilots are to provide three judging sheets for each flight, nominating three maneuvers of their choice that are typical of those capable by the prototype. Each maneuver including the take off and landing will be marked out of 10 - no 'K' factors will be applied. The nominated maneuvers will be used for that day, however they maybe changed for the following day.

Realism will be marked out of 30 with a 'K' factor of 2. The elements scored will be;

1. Sound
2. Speed
3. Smoothness of flight and positioning.

The flight score will be the sum of the judges scores including the 'K' factor multiplier.

### **General Rules**

#### **Safety**

- All aircraft must be facing the flight-line ~~use the provided area~~ when starting and be restrained by the pilot helper or some mechanical means.
- No aircraft will be started within the pits or any other area than that designated for the purpose.
- Jet aircraft pilots must provide a working and appropriate fire extinguisher within the ready box when starting their aircraft.
- All aircraft having a running engine or motor must be guided/restrained by hand toward the taxi ways and along these to a point at least adjacent to the judges line.
- Aircraft will not be taxied beyond the judging line at the conclusion of a flight.
- Where a pilot opts to stand behind a model for take off - this intention must be advised to the flight-line marshal who in turn will give authorisation to do so when considered safe. Upon take off the pilot **MUST** return immediately to the pilot standing area.
- At the conclusion of the flight any starting equipment brought to the ready box must be collected so as to leave the area clear.
- Should a pilot or helper need to access the strip or flying area to retrieve a model or equipment the authorisation of the flight-line controller must be sought.

#### **General**

- A flight will begin once the wheels clear the ground.

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- There will be 2 flight lines. Participants will be alternated between both
- There will be **3 2 ready boxes per flight line plus the starting area**. Pilots will be called to fill the vacancies as they are created. Pilots will be ready to take off within 2 minutes of being called to do so. Where this cannot be achieved then that pilot will move to the ~~third~~ **second** call ready box.
- Flights will be limited to 7 minutes - maneuvers beyond this limit will not be judged.
- Only 3 non judged passes are allowed - any maneuver beyond these passes will not be scored.
- All pilots must have a helper/caller.
- Engines may be started in the ready box (**motors facing the flightline**) however engine or equipment adjustments must be within the allocated testing area. Pilots will be required to advise the Contest/Flight line Director if moving from the ready box. And conversely, advise when the aircraft is again ready to fly.
- Judged pilots may also fly in the 'free flying' time slots if they wish.

### **Free Flying**

Free flying is open to all participants irrespective of their nomination in any other section.

- There will be no more than 4 aircraft aloft at any time
- Flight line marshal will call waiting pilots
- Dependent on numbers allocated times may be nominated for Jets or Helicopters
- Flights should be limited to 10 minutes aloft to equitably share air time.