# MELBOURNE AIR RACES

VMAA STATE FIELD MELBOURNE
Kings Birthday Weekend - Saturday 6th Sunday 7th June 2025

## FUTABA FORMULA 1

Seagull Nemesis or Cassutt ARF
Engine spark ignition petrol
Maximum Capacity 62 cc per engine
Battery Pack 1700 mAh minimum
Minimum servo torque rating 6.5kg/cm

## FUTABA PRO SHOP FORMULA 2

Seagull Nemesis ARF
Engine spark ignition petrol
Maximum Capacity 35 cc per engine
Battery Pack 1700 mAh minimum
Minimum servo torque rating 3.5kg/cm
Maximum static engine RPM 9000

## SULLIVAN PRODUCTS F3*

Red Bull Style ARF
Engine spark ignition petrol
Maximum Capacity 30 cc per engine
Battery Pack 1700 mAh minimum
Minimum servo torque rating 3.5kg/cm

## JR GOLDEN ERA

Original Adelaide rules apply
3lb per 10cc power loading has been discarded

## GLO MAX AT-6 TEXAN

20cc WW11 Fighter Trainer
Balsa ply or fibreglass fuz ARF
Engine glo ignition methanol nitro
Maximum Capacity 20 cc
Battery Pack 1700 mAh minimum
Minimum servo torque rating 3.5 kg/cm
APC 15x10 control prop
GloMax 2 stroke 10% nitro fuel supplied
Type must have retractable undercarriage
28mm minimum wing thickness at outboard wing rib

## PILOT STANDARD

Golden Era, F1
competitors must be able to safely navigate the race course below 100 feet agl

Warbird, F2, F3, Texan competitors must be able to safely navigate the race course not above 200 feet agl

## NOISE ABATEMENT

Aircraft are required to circulate in the milling area at half throttle until the thirty second countdown timer is activated

## FAILSAFE SETTINGS*

Elevator - Neutral
Aileron and Rudder 3mm to the right
Ignition off - Throttle closed - Engine must stop
Undercarriage and Flap - Pilot's Choice
*Checked before engine start in 1st round each day

## RADIO STANDARD

2.4 GHz with ACMA C Tick or RCM Label. Receiver must be the same brand as the transmitter. Until clariication from MAAA on MOP 058/3.5 the provision for non ACMA compliant label radio gear is not acceptable at this event

## THROTTLE MIXING*

Not allowed in F2

## F1 AIR RACING Inc

Secretary/ Contest Director
Stephen Green 0418 662 557
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## New Scoring System

1 point per lap. Ten laps = 10 points. Deduct 1 point for each pylon cut. The four highest scores in each category go in to the final. In the event of a draw an individual two lap time trial will determine the result.

Ultimate placings are decided in the first past the post final.

## Right Hand Cicuit

Pylon 1 is adjacent the pilot area. Easy to adudicate and pilots can judge the right hand turn away from themselves. This is for safety left hand circuits are to dangerous at this field.
Pylon 2 turn is also judged but when to turn is now up to the pilot. Officials will not be operating traditional lights or flags. They are there to judge pylon, startline and sideline cuts. Competitors can use their own flag waiver and technology such as gyros, second person view cameras and GPS telemetry to assist.

A video camera is aimed at Pylon 2 to record each heat. Competitors may challenge a pylon cut however aeroplanes circulating above 200 feet agl will not be in shot, therefore, not subject to video review. In that case the Pylon Marshall decision remains final. Pylon 3 is postioned so pilots and officials get a clear view from the pilot box.

YouTube
Click for video



## DEMONSTRATIONS

### RENO

1/5th Scale WW11 Fighter
Scratch built or balsa plywood or fibreglass and foam kit
Engine spark ignition petrol
Maximum Capacity 62 cc per engine
Battery Pack 1700 mAh minimum
Minimum servo torque rating 6.5kg/cm
Type must have retractable undercarriage

### WARBIRD ARF

62cc WW11 Fighter
Balsa plywood / fibreglass and foam ARF or kit

Engine spark ignition petrol
Maximum Capacity as per Manufacturers Specification
If the boxlid quotes 60cc or 55cc you can race it
Battery Pack 1700 mAh minimum
Minimum servo torque rating 6.5kg/cm
Maximum prop pitch 12"
Type must have retractable undercarriage

### GOODYEAR

Scratchbuilt kit or modified ARF or up to 62cc
Contact CD for details

speedweekend.melbourne