



2010 National Electric Flight Rally Event Rules

Electric Scramble – any type of model, using any type of motor, with any type of cells can be flown. The aim is to achieve as much time in the air in a 45 minute period with each flight being no more than 2 minutes long. Each launch must be with the motor running and made from the same spot. The model must land on the ground and not be caught at the end of each flight. Flights of less than 30 seconds do not count. The time of all flights will be added together to decide the winner. This is a fun event – give it a go!

Limited Electric Glider – will be flown to current Australian 7-cell rules with the LEG variation allowing LiPo batteries. Basically these call for a 5 minute flight using as little motor run as possible, with a spot landing on the five minute mark. For a full description of the rules see the link on the NEFR 2010 main page – to download the rules go to:

<http://www.flyelectric.com/NEFR-2010.html>

Open Electric Glider will be run to the same rules as those used at Armidale and the recent MAAA Nationals (with one point penalty per second of motor run). The event attempts to emulate thermal glider winch launch rules, requiring a 10 minute flight in 12 minutes working time with one motor run (like one winch launch). One re-launch is possible. To download the full rules go to the NEFR page and click on the link there:

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Height Limited Glider is an attempt to take the power equation out of the Open event. Aircraft competing in this event must be fitted with a height limiter device that cuts the motor at 200m or 30 seconds (whichever comes first). A 10 minute thermal flight is to be attempted (which includes the launch time) with spot landing in 12 minutes working time in the same vein as open. It does not matter what type of power set-up you use; the device will limit you to 200m or 30 seconds, so you can get to height fast or you can take your time getting there in 30 seconds. All entrants will start from the same height to execute a thermal flight. See the rules for OEG for more detail – this event will repeat these rules allowing a direct comparison of the two events. You can purchase a height limit device from Greg Potter at gpotter@opalibusiness.com.au - a simple CAM cut-off device is \$75 posted, an Alti2 Basic device with height limiting and logging function as well is \$150.

Radian Glider is a one-class glider event that removes all the variables. Only a standard Radian electric glider may be used – you can either bring your own or use one that will be supplied courtesy of Richard Solomon and Harrington Park Dental Care. So, you do not even need a model. You can simply pick up one of the standard Radians and 2.4 GHz radios supplied and walk on to the field to compete. Initially, all launch together and one 20 second motor run will be allowed. The aim is to fly for 5 minutes (total time including motor run) and land on the spot. The actual task may be

varied on the day at the Contest Director's discretion, but this is a fun event with an easy-to-fly aircraft and well worth entering.

The spirit of this event is to use a standard Radian with standard equipment. However, the original 9.75x7.5" prop supplied with the Radian is quite fragile and some fliers are substituting other props, like the Graupner Cam 9x5". Any prop may be used that is smaller than the original and any 3S battery up to 1300-3S.

Foamy Pylon – see the separate download sheet on this event. The rules used in 2009 will be repeated in 2010.

Pusher Foamy Combat – this event is open to all models that are predominately foam with a pusher motor – preferably a flying wing. The LE must be foam and the motor can be a 400 size brushed or brushless with a maximum of 10 cells or 3S. The objective is to cut the streamer of your opponent or knock them out of the sky. The winner will be the competitor with the most streamer cuts – streamers will be supplied.

All-up-last-down – a fun event in which everybody launches together and has a 10 second motor run. The last person to land on the field wins. Heats will be run if necessary.

Old Timer - Three competitions will be offered being Duration, Texaco and 1/2A Texaco. Simply enter Old Timer if you are interested in any of these events and the different classes will be organised on the day. Please note that AEFA rules are no longer available on the MAAA web site. To download the full EOT rules go to the NEFR page and click on the link there: <http://www.flyelectric.com/NEFR-2010.html>

Scale – at the NEFR we take a somewhat relaxed and low-key approach to scale. We encourage modellers with ARF aircraft and those own-built models to participate. Our main goal is to get scale models in the air at the Rally and for pilots and spectators to have a good time. The scoring in the event will be based on equal weighting being given to appearance (judged statically) and scale flight performance. Formal documentation is not required. However, before the judges can award a high static score they will need something to judge your model against. Photographs and/or drawings of the full-sized aircraft will help here. The models will be judged statically on Saturday morning, and scale flying will take place on Saturday afternoon. A series of five *pilot nominated* manoeuvres will be scored during the flight. Takeoff *can* be nominated as one of the manoeuvres, as can circuit and landing (provided that the model is fitted with a functioning undercarriage). Appropriate manoeuvres for the prototype can be discussed with the judges prior to flying.

Please note: - the MAAA has seen fit to remove all AEFA content from their web site. You can view all the current electric flight rules on the AEFA web site and by clicking the links at: <http://www.flyelectric.com/NEFR-2010.html>