

## **'ELECTROSLOT' COMPETITION RULES - 2020**

### **Model Characteristics**

- a) This competition is open to any electric powered glider.
- b) There is no minimum weight.
- c) There is no restriction on the battery type or number of cells.
- d) The model must be fitted with the approved CAM (Competition Altimeter for Models) or equivalent.
- e) No part of the model may be discharged during flight, i.e. ballast or cells.
- f) Cells may not be carried externally - they must be contained within the structure of the model.

### **The Competition**

The object of the event is to gain the longest four flights, each up to 10 minutes, with a maximum power duration of 30 seconds or 150m height, whichever is reached first, governed by the CAM 'height limiter' (or equivalent).

- a) The event will consist of club and 'invitee competitors' flying four rounds with 10-minute slots; this includes the 30 second climb time at the start.
- b) This event will be run comprising up to six competitors per slot depending on the numbers attending, subject to the CD's discretion.
- c) There will be a two minute time limit to launch after the CD announces the next slot until the starting 'countdown' commences. If you are not ready to go you will forfeit flying in that slot.
- d) There will be a ten second 'countdown' period before each slot commences followed by a ten second 'count-up' period during which a competitor should launch the model. Time keeping will start when the model leaves the competitors (or helpers) hand.
- e) Any models not airborne after the 'count-up' period finishes will be disqualified from that round.
- f) Timing will cease the moment that the model touches the ground, or if the model is still airborne at completion of the time slot, or if the motor is prematurely started.
- g) There will be a spot landing task at the end of each slot with up to four spots available on the landing patch. For models without flaps or airbrakes an 8.2m chosen landing circle will be available. A 7.0m chosen landing circle will be available for models fitted with flaps or airbrakes. To qualify for landing bonus points, the model must have landed within 12 minutes of the end of the 'count-up' period. 50 Points will be awarded if the model stops wholly within the relevant landing circle. 25 points will be awarded if any part is within the landing circle when it stops. (Any part does not include a lost part of the model with the remainder outside the circle!). These points will be added to the competitor's score after calculation of the 'adjusted flight scores'.
- h) The score will consist of one point per second of flight time.
- i) The competitor who has the highest score in the slot will be awarded a corrected score of 1000pts for that slot. The remaining competitors will be awarded a percentage of the slot winners score (uncorrected) calculated as follows:-  
$$\text{Points} = \frac{\text{Competitors score} \times 1000}{\text{Highest score}}$$
- j) The winner will be the person with the highest overall score. If it happens that two or more competitors have equal scores, there will be a fifth flight to decide the winner.
- k) Prizes will be awarded to the overall winner and to the highest scoring 'foamie' entry provided that a minimum of two 'foamie' entries have entered that event.
- l) A club trophy, when appropriate, will be awarded to the highest scoring ADMFC club competitor.