

2018 WESSEX AML 600RES Low-Cost electric thermal competition

General Rules

1. The competition to be flown with LOW-COST models as a Round Robin where each pilot flies once against each other pilot in turn. Expensive ARFT models (or parts thereof) are not allowed.
2. Each competitor to be a competent pilot in the prevailing conditions and to show proof of BMFA Insurance. Safe flight is the responsibility of individual pilots. All BMFA and local safety recommendations to be observed.
3. **Frequency control.** Local site rules to be followed at all times. If using 35MHz Bring spare frequencies. It is the pilot's responsibility to ensure that their frequency is clear before switching on.
4. Both (or more) competitors launch at the same time. Last one down wins.
5. A flight is deemed to start when the model is launched (i.e. leaves the launchers hand). The round is declared invalid and re-flown later if the model is not launched.
6. All pilots to return to the pilots box asap or at the latest within 60 seconds of the start also pilots to fly their model only in the designated area of the sky. Failure to do so will result in a warning on the first occasion and zero score if repeated. Time keeper to administer.
7. **CAM height limiter to be used and set at 30 second motor run and 150m altitude only** at the launch of each flight. Zero score if motor time overrun. (Note: at any time motor may be used for safety, STOP timing when the motor is switched on.) **If considered necessary these parameters may be adjusted throughout the season.**
8. Motor train and model may be checked for performance at anytime, including immediately at the start of any round. Failure to comply will result in zero score for all flights to date.
9. A time keeper is required each round to (a) collect and fill out the scorecard (b) record results (c) return the completed scorecard to the Scorekeeper.
10. Landing of all, or part of the complete model, to be in the designated area or zero score.
11. Unable to complete the flight due to a mid-air – timing ceases when model first touches the ground. It is the pilot's responsibility to land safely if damage is suspected. The round is valid, no re-run.
12. Unable to complete the flight due to a force outside of the pilot's control - re-run the round for all pilots affected. e.g. Full size aircraft approaching, sudden hail storm, mad dogs etc. Note: this does NOT include equipment failure.
13. No telemetry assistance allowed either directly or indirectly.
14. Pilots to be prepared to fly promptly when required *and within 3 minutes of the preceding slot ending. (The 3 minute rule to be implemented at the Contest Director's discretion.)*
15. Pilots to compete in **all but 1 round or scores discounted.** The remaining unflown flight to be a walkover.
16. Overall ties to be decided by unlimited fly-offs.
17. If more than one competition takes place overall positions will be calculated for each round as follows; *Winner 25 points; 2nd 24; 3rd 23; 4th 22; 5th 21; 6th 20; 7th 19; 8th 18; etc. down to 23rd place all others achieving a score of 2 points.* Best scores to count up to a maximum of 4. Overall tie break to be highest placings.
18. A prize will be awarded for the overall series winner. (There may be an entry fee at some events.)
19. Contest Directors' decisions will be final.

600RES Low-Cost Restricted Class models

1. Any electric powered soaring model (except expensive ARTF's) of **2.4m maximum span** using a **maximum number of 3 servos**. (Rudder, elevator & optional top wing mounted barn door type, spoiler/air brake only.)
2. One ROBOTBIRDS VALUE OUTRUNNER D2826-6/A2212-06 2200Kv (Stock code: 409682) motors **only** to be used. Motor must not be dismantled or modified in any way.
3. ROBOTBIRDS BASIC 40A ESC (Stock code: 400265) unmodified.
4. **7 cell 4/5 CS x 2200 NiMH Mah capacity, purchased from The Component Shop, only to be used. Minimum pack weight, including leads and plugs 300g.** Pack may be charged/changed between flights.
5. **Standard Graupner 20 x 11 (Imperial measure 8 x 4.5) CAM folding propeller and hub only** to be used. (Graupner part number: 1335.20.11A). RobotBirds stock code: 411615). A replacement plastic spinner, of similar or larger size, may be substituted.
6. **CAM height limiter to be used, as supplied by Hyperflight, set to 30 seconds motor run and 150m altitude.**
7. Wing to remain fixed both cordwise and spanwise (except for optional top wing mounted, barn door type, spoiler/air brake only.).
8. No limit to the number of eligible models to be used.
9. Score 1 point for a win, or ½ point for a draw if still flying at 15 minutes. Zero points if landing out. (If more than 2 flying against each other, score 1 pt. for each pilot defeated).
10. Max flight time 15 minutes. If both (or more) pilots draw or are still flying at 15 minutes then the points are shared equally. If 3 pilots fly the maximum of 15 minutes then each pilot scores ½ pt + ½ pt = 1 point. 4 pilots 1.5 points each. 5 pilots 2 points each.

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