

# M540

## MICRO 540 CLASS RULES FOR RADIO SAILING.

These are open class rules in which anything not specifically restricted or prohibited is permitted.

### **A. GENERAL**

A.1 Abington Park Model Yacht Club administers this class.

A.2 The metric dimensions relate to a boat approximately 540mm long.

### **B. PRIMARY MEASUREMENT RULE**

B.1 With the exceptions listed below in B.2, the boat in racing trim shall be capable of fitting within an open topped rectangular measurement box of internal dimensions 540mm long, 240 mm deep, 180 mm wide, as shown in the diagram, when the boat is placed in the box with the mast perpendicular to the top surface of the box in both planes.

Racing trim means all components of the boat shall be installed and be capable of the full motion used while racing, without being restricted by any part of the measurement box.

B.2 The following may project above the top of the measurement box: sail(s), mast(s), spars, rigging, aerial, wind indicator(s). No other projections are allowed above the box top, such as switches, cleats and control arms for neither rudder nor sails.

B.3 Whilst in the box full rotation of the rudder & sails and their respective controls shall be demonstrated.

B.4 Whilst in the box, the sails shall be measured against the sail template as described in Appendix B, no part of the extremities of the sail material (IE luff of the foresail, leach of the mainsail) shall be neither outside the outer edge of the template nor inside a line 20mm smaller than this.

Masts, Spars, Booms, head cranes etc may extend outside the extremity of the template, however this should be no further than is considered reasonable to carry out their primary function.

B.5 The sail template should be placed on the top edge of the box but maybe moved forward or aft to a position that best accommodates the competitor.

### **C. CONDITIONS FOR RACING**

C.1 Radio control is restricted to the use of no more than 2 channels.

C.2 Batteries shall be placed within the hull.

C.3 During an event, ballast shall not be changed, moved or rotated relative to the hull.

C.4 Only one rig maybe used during an event.

### **D. HULL**

D.1 There is no hull registration number but the class association will allocate personal sail numbers.

### **E. HULL APPENDAGES**

E.1 Except for a rudder, the following is prohibited: retractable and or movable hull appendages.

E.2 The density of composite materials for ballast shall not exceed that of lead (11300kg/m<sup>3</sup>). Composite materials are defined as mixture of materials brought together to form a single component.

### **F. RIG**

F.1 Fittings is Masts, Spars, Booms, Head cranes etc shall be no bigger than is reasonably required for their primary purpose(s).

## 6. SAIL IDENTIFICATION

G.1 Apply to Abington Park Model Yacht Club registrar for a class sail number.

For skippers whose boats maybe registered within another class, and whose boats comply with the Micro540 rules there is no requirement to register separately.

G.2 The registered class insignia shall be displayed on one side of the mainsail as shown in the diagram.

G.3 Sail numbers shall comply with the current ISAF RRS with the following exceptions:

(a) All dimensions shall be divided by 2.

(b) Sail numbers shall be displayed on mainsails only and need not comply with E8 (d).

(c) All Micro540 sail numbers shall be suffixed by the number 5 giving a 3-digit number for display. (IE if you are issued with sail number 16 your boat should display 165 on its sails.

