

CLASS RULES

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ISSUED 3 - June 2007

ONE POINT FIVE CLASS RULES

1. INTRODUCTION

1.1 The One Point Five Class has been adopted by the Nicholson Model Sailing Club (Inc), Victoria as a strict one design class. The Intention of these class rules is to provide a specification for moulding identical hulls whilst at the same time permitting boats built to the original specifications prior to July 2005 and carrying a boat number below 20 to remain class compliant.

- 1.2 The class will be regulated by the Nicholson Model Sailing Club (Inc), except that in the event of the class attaining the status of a State or National Class, control of the class will be as determined by the appropriate authority approving the class status.**
- 1.3 These class rules shall be read in conjunction with the ISAF Equipment Rules of Sailing.**
- 1.4 Anything not specifically permitted in these rules is prohibited. Requests for a class rule interpretation shall be submitted to the class authority as determined in 1.2.**
- 1.5 When interpreting any rule, the class authority shall consider the intended meaning and at all times shall bear in mind the basic principles of these class rules which is to maintain the 1.5 as a one design class.**

2 SPECIFICATIONS

Length Overall	-	1650 mm.
Beam	-	305 mm.
Load Waterline Length	-	1500 mm.
Sail Area	-	1.00 sq.m.
Draught	-	500 mm.
Displacement	-	8.50 kg. min.
Mast Height	-	2200 mm.

NOTE : See following paragraphs for tolerances to the above specifications

3 GENERAL COMMENT ON CLASS PHILOSOPHY

- 3.1** The definitions, dimensions, tolerances and restrictions provided in these rules are intended to strictly maintain the one-design features of the class. The objective is to provide fair sailing between equal boats where tuning and sailing skills are the primary deciding skills in competition.
- 3.2** Building materials for the class are restricted to adequate technology to achieve quality boats for a reasonable expenditure.
- 3.3** Construction materials are limited to fibreglass, timber, plywood, aluminium and lead or lead/antimony alloy.
- 3.4** Radio control is restricted to two operating channels, one operating the sail controls and the other the rudder.
- 3.5** The class is limited to two rigs as detailed in Section 8.
- 3.6** The choice of more than one keel/bulb assembly is permitted provided the boat in sailing trim is within the permitted displacement.
- 3.7** During competition a boat must at all times comply with the class specifications.

4 HULL & DECK

- 4.1** Boats built before June 2005 with hulls from previous 'ISIS' designs carrying a boat number of less than 20, shall be eligible for competition provided they comply with the class rules other than hull shape and material.
- 4.2** Boats built after 30 June 2005 shall be produced from a mould and by a manufacturer approved by the Nicholson Model Sailing Club (Inc) except that in the event of the class attaining the status of a State or National Class, the authority for this approval will be determined by the appropriate authority approving the class status.
- 4.3** The overall length of the hull shall be a maximum of 1650mm as determined by the class mould.
- 4.4** The maximum beam, (excluding chafing strips) of 305mm +5mm or – 5mm shall be at Station 7.
- 4.5** Hull material shall be restricted to fibreglass although resin type is unrestricted. The interior of the hull must be left unpainted or without pigment to allow inspection.
- 4.6** Alterations to hulls by any means including the addition of any material to the exterior of the hull that would change the shape in any way, is prohibited.
- 4.7** The size, location and angle of keel and rudder must conform to the approved class drawings with a tolerance of + 5mm or – 5mm on any dimension.
- 4.8** All hull and deck framing must be similar in principle to the approved class drawings.

- 4.9 The deck must be plywood of a minimum 1.5mm thickness. Hatches are permitted to access below deck equipment. No other deck penetrations for the purpose of lightening the deck are permitted.
- 4.10 The bow shall be fitted with an effective bumper in elastomeric material of a minimum longitudinal thickness of 20mm. at deck line and faired to the hull.
- 4.11 Hull registration number shall be displayed on the external surface of the hull clearly and legibly with a minimum height of 20 mm.
- 4.12 Transport weight of hull shall mean total overall boat weight ready to sail except for; keel/bulb, rig and sails, and batteries. This transport weight must not be less than 2.00kg.

5 KEEL / BULB AND RUDDER

- 5.1 The keel/bulb assembly shall be removable from the hull.
- 5.2 The keel fin and rudder shall be timber, plywood or fibreglass or a combination of these materials and shall comply with the shapes and sizes shown on the approved class drawings within a dimensional tolerance of + 5mm or – 5mm.
- 5.3 The keel bulb shall be of lead or lead/antimony alloy and be of similar shape to that shown on the approved class drawings. Maximum bulb length shall be 350mm.
- 5.4 The distance from the underside of the hull to the lowest point on the lead along the trailing edge of the keel fin shall not exceed 440mm.

6 DECK FITTINGS

- 6.1 Deck fittings shall be similar in principle to those shown on the approved class drawings.

7 SPARS AND RIGGING

- 7.1 The mast spar shall be non-rotating. Swing rigs are not allowed.
- 7.2 The mast spar shall be aluminium or timber, of circular outer shape with a maximum diameter of 20mm. An internal sail track is not permitted.
- 7.3 Boom spars shall be aluminium or timber with a maximum external cross section dimension of 14mm.
- 7.4 Except for terminations and the headsail boom swivel all standing rigging shall be steel or polymer.
- 7.5 Standing rigging shall be restricted to a maximum of that shown on the approved class drawings.

8 SAILS

- 8.1 Two rigs are allowed, A Rig (1.00 sq.m), B Rig (0.77 sq.m)
- 8.2 The interchanging of sails between the rigs is not permitted.

8.3 The construction shall be soft sail, single ply sail.

8.4 The mainsail dimensions shall be:-

Luff length	A Rig maximum 2050mm minimum 2040mm
	B Rig maximum 1600mm minimum 1590mm
Leech length	A Rig maximum 2080mm minimum 2070mm
	B Rig maximum 1645mm minimum 1635mm
Foot length 415mm	A Rig maximum 425mm minimum
	B Rig maximum 425mm minimum 415mm

Mainsail girth dimensions shall not exceed those shown on the approved class drawings where the maximum allowable tolerance shall be -10mm.

8.5 The mainsail may have up to four sail battens with a maximum length of

220mm.

8.6 Any method of attachment to the mast is permitted subject to class rule

8.7 The jib dimensions shall be:-

Luff length **A Rig maximum 1452mm minimum 1442mm**
 B Rig maximum 1316mm minimum 1306mm

Leech length **A Rig maximum 1400mm minimum**
1390mm

 B Rig maximum 1250mm minimum
1240mm

Foot length **A Rig maximum 405mm**
minimum 395mm

 B Rig maximum 410mm minimum
400mm

Jib girth dimensions shall not exceed those shown on the approved class drawings where the maximum allowable tolerance shall be -10mm.

8.8 The jib may have up to three battens of a maximum length of 100mm.

8.9 Identification on sails must comply with the RRS.

8.10 The class insignia shall be placed on the mainsail above the sail numbers and be either supplied or approved by the Nicholson Model Sailing Club (Inc) except that in the event of the class attaining the status of a State or National Class, the appropriate authority.

