

L30 One Design Class Rules

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INTRODUCTION

The L30 Class has been created as a strict one-design sportsboat where the true test when raced is between crews and not boats and equipment. The fundamental objective of these **class rules** is to ensure that this concept is maintained.

L30 hulls, hull appendages, steering system, rigs and sails shall only be manufactured by the licensed manufacturers. Equipment is required to comply with the L30 Building Specification.

L30 hulls, hull appendages, rigs and sails may, after having left the manufacturer, only be altered to the extent permitted in Section C of the **class rules**.

Owners and crews should be aware that compliance with rules in Section C is NOT checked as part of the manufacturing process.

Rules regulating the use of equipment during a race are contained in Section C of these **class rules**, in ERS Part I and in the Racing Rules of Sailing.

This introduction is intended to provide a non-binding overview. The L30 Class Rules proper begin on the next page.

PART I - ADMINISTRATION

Section A - General

LANGUAGE

The official language of the class is English and in case of dispute over translation the English text shall prevail.

The word “shall” is mandatory and the word “may” is permissive.

ABBREVIATIONS

WS International Sailing Federation

MNA WS Member National Authority

L30CA L30 Class Association

NCA National L30 Class Association

ERS Equipment Rules of Sailing

RRS Racing Rules of Sailing

LIC Licensor – L30 One Design OU

LM Licensed Manufacturers as agreed by the LIC and L30CA

AUTHORITIES

The international authority of the class is the WS which shall co-operate with the LIC and the L30CA in all matters concerning these **class rules**.

The WS, the L30CA, a NCA, or an MNA are under no legal responsibility in respect of these **class rules**.

ADMINISTRATION OF THE CLASS

The class is administered by the L30CA which shall co-operate with the LIC. The L30CA may delegate part or all of its administrative functions to an NCA.

In countries where there is no NCA, or the NCA does not wish to administrate the class, its administrative functions shall be carried out by the L30CA in cooperation with the MNA, or by the MNA in co-operation with the L30CA.

WS RULES

These **class rules** shall be read in conjunction with the ERS.

Except where used in headings, when a term is printed in “bold” the definition in the ERS applies and when a term is printed in “italics ” the definition in the RRS applies.

CLASS RULES VARIATIONS

At Class Events - see RRS 89.1.(d) - WS Regulation 26.5(f) applies. At all other events RRS 87 applies.

The Notice of Race and/or Sailing Instructions may only vary **class rules** C.3.1

(b) C.3.2 (b), C.4.2 and C.5, with the prior approval of the World Council for World or Continental championships or by the NCA for National events.

A.6.3 NCAs may vary class rule C.5 for class races held in their region, after consultation with the L30 World Council and WS.

A. 7 CLASS RULES AMENDMENTS

A.7.1 Submissions for rule changes may be made in writing by the L30 World Council after consultation with the LIC.

A.7.2 Amendments to these **class rules** shall only be made subject to approval of WS in accordance with the WS Regulations.

A. 8 CLASS RULES INTERPRETATIONS

A.8.1 Interpretations of **class rules** shall be made by WS in consultation with the LIC and L30CA in accordance with the WS Regulations.

A.9 INTERNATIONAL CLASS FEE AND WS BUILDING PLAQUE

A.9.1 The licensed **hull** builder shall pay the International Class Fee.

A.9.2 WS shall, after having received the International Class Fee for the **hull**, send the WS Building Plaque to the licensed **hull** builder.

A.10 SAIL NUMBERS

A.10.1 Sail numbers shall be issued by the LIC.

A.10.2 Sail numbers shall be issued in consecutive order.

Section B - Boat Eligibility

For a **boat** to be eligible for racing, it shall comply with the rules in this section.

B. 1 CLASS RULES COMPLIANCE

B. 1.1 The **boat** shall:

(a) be in compliance with the **class rules**.

B. 1.2 In the event of a dispute alleging non-compliance with **class rules** where specific measurements are not stated, the following procedure shall be adopted:

a) A sample measurement of the disputed item shall be obtained by taking the identical measurement from five **boats** or items of equipment, which are not the subject of the dispute.

b) The measurement of the disputed **boat** or items of its equipment, taken using the same technique as above, shall be compared to the sample.

c) If any of the measurements obtained from the disputed **boat** or item of equipment lie outside the corresponding range of measurements found in the sample, the matter together with the details of the measurement methods and any other relevant information shall be referred to the Race Committee.

B. 2 CLASS ASSOCIATION MARKINGS

B. 2.1 Each L30 shall have a builder's **hull** identification mark incorporating the **boat** sail number fixed in the rear of the cockpit.

PART II - REQUIREMENTS AND LIMITATIONS

The **crew** and the **boat** shall comply with the rules in Part II when racing. In case of conflict Section C shall prevail.

The rules in Part II are **closed class rules**, where anything not specifically permitted by the **class rules** is prohibited. Any equipment inspection shall be carried out in accordance with the ERS except where varied by Part II of these **class rules**. Section C - Conditions for Racing

C. 1 GENERAL

C. 1.1 RULES

(a) RRS 50.4 shall not apply.

(b) RRS Appendix G.1.3 (d) shall not apply.

(c) RRS 42.3 is changed as follows:

Add to RRS 42.3:

i) A **boat's crew** may pump the mainsail repeatedly to release the top batten.

- (d) The ERS Part I - Use of Equipment shall apply.

C. 1.2 LIMITATIONS

- (a) The L30 shall only be raced with **hull, hull appendages**, rig, **sails**, battens and steering system, as supplied by the LM conforming to these rules.
- (b) Where specified in these **class rules**, parts or equipment may be replaced providing that the replacement is of a similar weight, size and type, performs the same function and is not made of carbon fibre. The replacement parts or equipment may be obtained from any supplier.
- (c) No person is permitted to race a L30 in any event unless the owner, or a joint owner, or a nominated representative of an organisation owning the L30 is a current Full Member and one person on board is either a Full Member or Associate Member of the Class Association.

C. 2 ADVERTISING

C. 2.1 LIMITATIONS

Advertising shall only be displayed in accordance with the WS Advertising Code. (See WS Regulation 20)

C. 3 CREW

C.3.1 WEIGHTS

- (a) The total weight of the **crew** dressed in at least underwear shall not be less than 300 kg.
- (b) **Crews** shall be weighed during the registration period prior to racing if required by Notice of Race.
- (c) In the event of **crew** substitution, should the total **crew** weight change by in excess of 18 kg, the **boat** shall carry ballast in the form of water in clear containers below decks at the base of the **mast** such that the adjusted weight is not more than 18 kg from the original total.

C.3.2 LIMITATIONS

- (a) The **crew** shall consist of a minimum of 4 persons.
- (b) There shall be no **crew** substitution or **crew** number changes unless:
- (1) The Race Committee is advised, in writing before the event registration period, of the exact dates of required **crew** changes. The new **crew** members must be available for weighing before starting to race.

OR:

- (2) Authorised by the Race Committee before any race starts as being necessary due to wholly unavoidable circumstances.

C.4 PERSONAL EQUIPMENT

C.4.1 MANDATORY

- (1) The **boat** shall be equipped with a **personal flotation device** for each **crew member** to the minimum standard ISO 12402-5 (Level 50), or USCG Type III, or AUS PFD 1 which shall be stored on deck.
- (2) No clothing or equipment shall be carried with the specific feature of adding weight by water absorption or holding water in pockets, compartments, containers or any other method.

C.4.2 OPTIONAL

The following items may only be carried on board when permitted in the Notice of Race and/or Sailing Instructions:

- (1) Mobile telephones
- (2) Handheld GPS

C.5 EQUIPMENT

Replacement of the following items is permitted. Parts may be obtained from any supplier unless otherwise stated.

C.5.1 MANDATORY

- (1) One horseshoe lifebuoy attached at the stern.
- (2) A bucket of minimum volume 9 litres on a lanyard not less than 2m in length and 4mm in diameter.
- (3) One anchor shall not weigh less than 8 kg (including shackle) and a minimum of 2 m of 8 mm steel chain that shall be securely stowed in anchor locker when not in use.
- (4) A non-floating line, minimum of 30m long of not less than 10mm in diameter.
- (5) A floating throwing line, minimum of 10m long and 6mm in diameter shall be attached at the stern.
- (6) inboard engine min 4 kW power in functional condition
- (7) Two fire extinguishers, minimum weight of 1.0kg,
- (8) A functioning VHF radio
- (9) First Aid Kit in waterproof container or bag
- (10) One stripes cutting knife easily available, attached to the steering wheel pedestal.
- (11) Toolkit of minimum weight of 3,0 kg incl. wire cutting device

C.5.2 OPTIONAL

- (1) Any navigation or racing electronic devices are allowed to use while racing.

- (2) PVC film may be attached to any part of the **hull**, **sails** or **spars**, provided their fixing gives no performance advantage.
- (3) The carrying of loose ropes, fenders, spares, internal buoyancy and any safety equipment is unrestricted provided their fixing does not change the structural properties of the **boat** and gives no performance advantage.
- (4) Any system of tape, rope or clips intended only to prevent bottles **crews** becoming undone.
- (5) Charts and means for recording compass headings.
- (6) Tape, rope, bags or fittings to secure safety or other equipment
- (7) Fittings or bags may be added to the deck provided their sole function is to stow equipment and/or food and/or drinks.
- (8) Tell tales may be added to any part of the jib, mainsail or rig.
- (9) The method of attachment of any fitting to the **boat** is unrestricted but shall not modify the fitting's position, the effective operation of the fitting nor the intended purpose or action of any equipment and provided their fixing gives no performance advantage.
- (10) The use of flexible adhesive tape, plastic or stainless rings, Velcro, rope or shock cord, shackles and bobbles is unrestricted as long as this does not modify the effective sheeting of any **sail** nor the intended purpose or action of any equipment.
- (12) Weed sticks
- (14) Four flares, two red and two orange smoke, within date, shall be stored in a watertight container or bag.

C.6 BOAT

C.6.1 WEIGHT

From 1 June 2018, the minimum weight of the **boat** in dry condition shall be 2150 kg. The weight shall be taken excluding the following:

- (1) All equipment as listed in C.5, except for the compass bracket, buoyancy bags, if fitted, the main traveller rope, bowsprit outhaul rope, spinnaker tackline, jib tackline, jib sheets, lower backstay rope, throw line as detailed in C.5.1(5) and any fittings or bags as detailed in C.5.2(8).
- (2) **Sails**
- (3) Personal equipment

C.6.2 CORRECTOR WEIGHTS

- (a) **Corrector weights** of lead shall be permanently fastened to the bulkhead in front cockpit locker when the **boat** weight in C.6.1 is less than the minimum requirement.

C.6.3 ALTERATIONS

No performance advantage shall be obtained from any replacement, addition or repair permitted by these **class rules**.

- (a) Replacements for any **boat** equipment, including but not limited to **hull appendages**, rig, **sails**, battens, steering wheels, whether original or replacements shall be only those produced by a LM except where otherwise authorised by this section.
- (b) Repairs and maintenance including but not limited to painting and sanding may be carried out provided repairs are made in such a way that the essential shape, characteristics or function of the original are not affected.
- (c) Maintenance may include the replacement of fastenings with alternatives from any supplier, provided that the equipment is replaced in the original position.

C.7 HULL

C.7.1 MODIFICATIONS, MAINTENANCE AND REPAIR

- (a) Waxing and polishing of the **hull** is permitted provided the intention and effect is to polish the **hull** only.
- (b) Repairs are permitted; however, an official measurer may verify that the external shape is the same as before the repair and that no substantial stiffness, or other, advantage has been gained as a result of the repair.
- (c) Any work intended or with the effect of lightening the **hull** or improving, shape or performance beyond the original is not permitted.

C.7.2 FITTINGS

(a) USE

- (1) Fittings shall be arranged as supplied by the LM except that:

- (i) The spinnaker sheet blocks may be arranged with the ratchet block

(b) REPLACEMENTS

Replacement of the following items is permitted. Parts may be obtained from any supplier

- (1) Blocks
- (2) Cleats
- (3) Mainsheet swivel base
- (4) Shackles, pins, bobbles
- (5) Inspection hatches

C.7.3 ADDITIONS AND ALTERATIONS TO HULL

The following additions and alterations are permitted. Parts may be obtained from any supplier:

- (a) Non slip material of any kind (maximum thickness 5mm) may be added to the deck and cockpit.
- (b) Packers may be fitted under cleats
- (c) Calibration marks
- (d) Fittings for speed/depth may be fitted flush to the **hull** surface.
- (e) Anti-foul coatings may be applied to the **hull** surface.

HULL APPENDAGES

MODIFICATION, MAINTENANCE AND REPAIR

- (a) Waxing and polishing of the **hull appendages** is permitted provided the intention and effect is to polish the **hull appendages** only.
- (b) Repairs are permitted; however, an official measurer may verify that the external shape is the same as before the repair and that no substantial stiffness, or other, advantage has been gained as a result of the repair.

LIMITATIONS

- (a) Only one **keel** and two **rudder** blades provided by LM shall be used during an event, except when an item has been lost or damaged.

C.9 RIG

C.9.1 MODIFICATIONS, MAINTENANCE AND REPAIR

Replacement of the following items is permitted. Parts may be obtained from any supplier:

- (a) Cleats
- (b) Sheave blocks

C.9.2 FITTINGS

The following may be added to the rig. Parts may be obtained from any supplier:

- (a) A mechanical wind indication device may be fitted to the top of the **mast**.
- (b) A cover may be fitted around the **mast** between the deck and the gooseneck provided its fixing gives no performance advantage.

C.9.3 STANDING RIGGING

Replacement of the standing **rigging** is permitted using only parts as supplied by the LM.

(a) USE

- (1) Standing **rigging** shall be arranged as supplied by the LM

C.9.4 RUNNING RIGGING

Replacement of the running **rigging** is permitted and may be obtained from any supplier. Ropes may be tapered.

(a) USE

- (1) Running **rigging** shall be arranged as supplied by the LM
- (2) Ropes of any fibre may be used.

C.9.5 BOWSPRIT

(a) USE

- (1) The **bowsprit** shall be fully retracted at all times other than when the spinnaker is set or in the act of being set or recovered.
- (2) Bobstay may be fitted to the **bowsprit**
- (4) The nylon **bowsprit** retainers may be sanded

C.10 SAILS

C.10.1 MODIFICATIONS, MAINTENANCE AND REPAIR

- (a) **Sails** shall not be altered in any way except as permitted by these **class rules**.
- (b) Routine maintenance and repairs are permitted
- (c) Logos may be inserted into spinnakers provided this process does not alter the size or shape

C.10.2 LIMITATIONS

- (a) Not more than 1 mainsail, 3 jibs, 2 spinnakers and one Code0 shall be carried aboard.

C. 10.3 MAINSAIL IDENTIFICATION

- (a) The sail number shall be displayed on each side of the mainsail in accordance with the RRS Appendix G.
- (b) For **boats** chartered or loaned for an event, the sail number need not correspond with the number specified in B.2.1
- (c) The Class Insignia shall be the L30 logo as prescribed by the LIC, and shall be displayed above the second top batten on the starboard side.
- (d) National flag shall be applied below second batten on both sides of the sail for the whole width of the mainsail

C.10.3. DIMENSIONS

Sails dimensions shall not exceed numbers indicated in the tables below.

Main:

Luff	leech	LeechHeadAft	foot	MGT	MGU	MGM	MGL	Head	Area
10.693	11.250	10.898	3.660	1.524	1.941	2.640	3.180	1.201	27.971

Angles (Flat on the floor) Clew: 83.68 ° Tack: 93.44 ° Head Fwd : 91.48 ° Head Aft : 107.31 °

	(Luff (m)ref: tack)	(Leech (m)ref: clew)	Length (m)
Reef1	1.372	1.457	3.407
Reef 2	3.230	3.340	3.083

Jibs

	J1	J2	J3
Area	22.397 m ²	16.204 m ²	11.36 m ²
Luff	11.281 m	10.300 m	8.1 m
leech	10.097 m	8.811 m	7.200 m
foot	4.135 m	3.720 m	3.260 m
HTW	1.053 m	0.764 m	0.637 m
HHW	1.961 m	1.519 m	1.313 m
HQW	2.864 m	2.319 m	2.092 m
LPG	3.724 m	3.133 m	2.922 m
Head	0.053 m	0.05 m	0.05 m
HUW	0.558 m	0.406 m	0.337 m

Gennakers:

	A2	A3
Area	85.916 m ²	70.6 m ²
Luff	14.542 m	14.160 m
Leech	12.212 m	10.998 m
Foot	7.293 m	7.100 m
SMW	8.635 m	6.710 m
SF	7.235 m	7.100 m
SMG	7.559 m	6700 m

Code0:

Luff	Leech	Foot	Quarter width	Half width SHW	Three-quarter width	Area
13.040	11.500	8.900	6.656	4.378	2.118	51.96 m2

Section D - Hull

D. 1 HULL SPECIFICATION

D. 1.1 The **hull** shall comply with the Building Specification in force at the time of manufacture.

D. 2 HULL MANUFACTURER

D. 2.1 The **hull** shall be built by a manufacturer licensed by the LIC to produce **hulls**.

D. 2.2 All production moulds used for **hull** manufacture shall be approved by the LIC.

D. 3 HULL IDENTIFICATION

D.3.1 Each **hull** shall carry a builder's **Hull** identification plaque incorporating the **boat** sail number fixed in the rear of the cockpit.

D.3.2 Each **hull** manufactured after 1st February 2018 shall have an individually numbered WS Plaque fixed on the starboard side aft face of the transom.

D.4 HULL ALTERATIONS

D.4.1 The **hull** shall not be altered in any way except as permitted by Section C of these **class rules**.

D.5 HULL FITTINGS

D.5.1 **Hull** fittings shall comply with the Building Specification in force at the time of manufacture except when altered, added or replaced as permitted by Section C of these **class rules**.

Section E - Keel and Rudder Assembly

E. 1 KEEL AND RUDDER SPECIFICATIONS

E. 1.1 The **keel**, **rudder** blade and **rudder** stock assembly shall comply with the Building Specification in force at the time of manufacture.

E. 2 MANUFACTURER

E. 2.1 The **keel**, **rudder** blade and **rudder** stock shall be made only by a manufacturer licensed by the LIC to produce these.

E. 3 KEEL AND RUDDER ALTERATIONS

E. 3.1 The **keel**, **rudder** blade and **rudder** stock shall not be altered in any way except as permitted by Section C of these **class rules**.

Section F - Rig

F. 2 SPARS

F. 1.1 **Spars** and their fittings shall comply with the Building Specification in force at the time of manufacture of the spar.

F. 2 RIG MANUFACTURER

F. 2.1 **Spars** and their fittings shall be made only by a manufacturer licensed by the LIC to produce **spars**.

F.3 RIG ALTERATIONS

F.3.1 **Spars**, their fittings and **rigging** shall not be altered in any way except as permitted by Section C of these **class rules**.

Section G - Sails

G. 2 SAIL SPECIFICATIONS

G. 1.1 The **sails** shall comply with the Building Specification in force at the time of manufacture of the sail.

G. 2 SAIL MANUFACTURER

G. 2.1 The **sails** shall be made only by a manufacturer licensed by the LIC to produce **sails**.

G.3 SAIL ALTERATIONS

G.3.1 The **sails** shall not be altered in any way except as permitted by Section C of these **class rules**.

