

International Class Rules

International Techno293 Plus Class Association

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Status: Approved



INTRODUCTION

The Techno 293 Plus Class is a "one-design" class devoted to fostering the development of windsurfer racing for competitors of any age, both male and female.

Techno 293 Plus Class equipment is inexpensive, durable and easy to use; suitable for all *racing* formats – *course*, *slalom* and *marathon*.

Techno 293 Plus equipment is readily available through a global distribution network. Techno 293 Plus Class – a universal, one-design, "funboard" racing class.

The Techno 293 Plus hulls, hull appendages, rigs and sails shall only be manufactured by Take Outdoors (previously Take Outdoors) or their appointed manufacturers. Such equipment is required to comply with the Techno 293 Plus One Design Building Specification and will be subject to an approved manufacturing control system.

After Techno 293 Plus hulls, hull appendages, rigs and sails have left the manufacturer, they may only be altered to the extent permitted in Section C of these class rules.

Rules regulating the use of equipment during a race are contained in Section C of these class rules.

This introduction only provides an informal background and the Techno 293 Class Rules proper begin on the next page.

PLEASE REMEMBER

**THESE CLASS RULES ARE CLOSED CLASS RULES WHERE IF IT DOES NOT
SPECIFICALLY SAY THAT YOU MAY THEN YOU SHALL NOT.**

Section A – General

A.1 LANGUAGE

- A.1.1 The official language of the class is English and in case of dispute over translation the English text shall prevail.
- A.1.2 The word “shall” is mandatory and the word “may” is permissive.

A.2 ABBREVIATIONS

- A.2.1 WS World Sailing
MNA WS Member National Authority
TCA Techno 293 Class Association
NCA National Class Association
RRS Racing Rules of Sailing
ERS Equipment Rules of Sailing

A.3 AUTHORITIES AND RESPONSIBILITIES

- A.3.1 The international authority of the class is WS, which shall co-operate with the TCA on all matters concerning these **class rules**.
- A.3.2 No liability or legal responsibility in respect of these Rules can be accepted by WS or TCA, or its delegated representatives.

A.4 ADMINISTRATION OF THE CLASS

- A.4.1 WS has delegated the administrative functions of the class to the TCA.

A.5 CLASS RULE INTERPRETATIONS

- A.5.1 Interpretation of **Class Rules** shall be made by the WS in consultation with the TCA.

A.6 SAIL NUMBERS

- A.6.1 Sail numbers shall be issued nationally (i.e. each country issues its own numbers). If the owners MNA is administering the Class, the owner shall apply to their MNA for a sail number; otherwise they shall apply to their NCA.

A.7 LICENSED MANUFACTURERS

- A.7.1 Techno 293 ‘Plus’ One Design equipment shall be manufactured by Tahe Outdoors or by another manufacturer appointed and licensed by Tahe Outdoors in consultation with the TCA referred to as licensed manufacturers in these **class rules**.

Section B – Equipment Eligibility

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

B.1 EVENT INSPECTION

The role of **Equipment Inspectors** at an event is to ensure compliance with these class rules.

Where an **equipment inspector** determines that an item of equipment need further investigation they shall use whatever inspection methods they deem appropriate, including comparison with a standard or sample of other equipment presented for inspection. Should this inspection reveal deviation greater than the **equipment inspector** considers being within manufacturing tolerances, this shall be reported to technical representatives of TCA and Tahe Outdoors for investigation and a decision on the legality of the equipment.

B.2 EVENT LIMITATION MARKS

- B.2.1 If an event uses **event limitation marks**, these marks shall not be removed during the event. If the **event limitation mark** becomes damaged or lost, this shall be reported to the event Race Committee as soon as practical.
- B.2.2 If a **windsurfer** item has to be replaced, the Race Committee shall attach an **event limitation mark** to the replacing item and remove or deface any **event limitation mark** attached to the replaced item.

PART II – REQUIREMENTS AND LIMITATIONS

The **crew** and the **windsurfer** 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**. **Equipment inspection** shall be carried out in accordance with the ERS except where varied in this Part.

Section C – Conditions for Racing

C.1 GENERAL

C.1.1 RULES

The following ERS shall not apply: C.3.3 Certificate.

C.1.2 LIMITATIONS

During a race only one board, one **fin**, one **centreboard**, one **rig** and one **sail** shall be used.

C.2 CREW

C.2.1 LIMITATIONS

The **crew** shall consist of one person.

C.2.2 MEMBERSHIP

No **crew** is permitted to race at a National or International Regatta unless he/she is a member of his/her NCA. If there is no NCA then the **crew** must be a member of the TCA.

C.2.3 DIVISIONS

(a) Gender divisions

- (i) Men
- (ii) Women

(b) Age divisions

- (i) Youth: crews under the age of 19 at 31st December in the year of competition.

C.3 PERSONAL EQUIPMENT

C.3.1 **Personal equipment** does not have to be produced by a licensed manufacturer.

C.3.2 SAFETY AND LIFE-SAVING EQUIPMENT

If **personal buoyancy** is prescribed, every competitor shall wear a **personal flotation device** that shall conform to the minimum standards of ISO 12402-5. Alternative or additional standards may be prescribed in the Notice of Race.

C.3.3 OPTIONAL

In addition to food and personal effects to keep warm and/or dry, and/or protect the body, the following may be worn:

(a) Harness

(b) A container for holding beverages in accordance with WS RRS Appendix B.43.1 (a)

(c) An electronic or mechanical timing device

(d) A heart rate monitoring device

C.3.4 MANDATORY

Clothing and equipment, including harness but excluding beverage container, worn or carried by the **crew** shall not weigh more than **9kg**.

C.4 PORTABLE EQUIPMENT

C.4.1 Portable equipment does not have to be produced by a licensed manufacturer.

C.4.2 OPTIONAL

(a) A towrope of minimum length 5m and a recommended thickness of 4 mm may be carried by the crew. The use of the towrope may be specified as compulsory in an event's Notice of Race or Sailing Instructions.

(b) Recording equipment, tracking devices and associated attachments, where permitted by the Notice of Race and/or Sailing instructions and removable for weighting

C.5 ADVERTISING

C.5.1 LIMITATIONS

Advertising shall only be displayed in accordance with WS Regulation 20- Advertising Code.

C.6 HULL

C.6.1 LIMITATIONS

(a) During an event no more than one **hull** shall be used during an event, except when lost or damaged beyond repair. A replacement may be made only with the approval of the Technical Committee.

(b) A maximum of six and a minimum of four foot straps shall be fitted to the existing inserts using any stainless steel screw and washer. Foot straps shall be fitted with at least one screw and washer at each end. The foot straps may be changed or replaced during an event.

C.6.2 HULL WEIGHT

(a) The **hull** weight, including the complete mast track and gasket assembly, shall not be less than **12.3 kgs**.

(b) The **hull** may be weighed wet after a minimum of 10 minutes draining standing vertically on its aft edge.

C.6.3 MAINTENANCE AND MODIFICATIONS

(a) The **hull** shall not be altered in any way except as permitted by these **class rules**.

(b) Repairs may be carried out provided such repairs are made in such a way that the essential shape, characteristics or function of the original are not affected. The serial number shall remain legible.

(c) The deck grip may be restored to its original condition with a clear coating provided that the original deck graphics remain legible

(d) Extra attachment holes may be added to the footstraps. Footstraps may be taped.

(e) Any lubricant may be used on the mast track assembly and the gaskets.

(f) The underside of the **hull** may be rubbed down and/or polished.

(g) The **centreboard** cassette may be shimmed.

(h) One piece of adhesive plastic or fabric tape, not measuring more than 125mm in any direction, may be bonded to the **hull** over the forward end of the **centreboard** gaskets.

C.7 HULL APPENDAGES

C.7.1 LIMITATIONS

(a) During an event a maximum one **centreboard** and one **fin**, as supplied by the manufacturer for the Techno 293, shall be used during an event, except when lost or damaged beyond repair. A replacement may be made only with the approval of the Technical Committee.

(b) The **centreboard** shall be carried in the centreboard case at all times when *racing*.

C.7.2 MAINTENANCE, MODIFICATIONS AND REPAIRS

(a) The hull **appendages** shall not be altered in any way except as permitted by these **class rules**.

(a) Repairs may be carried out provided such repairs are made in such a way that the essential shape, characteristics or function of the original are not affected.

(b) The sides of the **fin** root may be shimmed to fit the **fin** box.

(c) **Hull appendages** may be lightly sanded and/or polished providing that the essential shape and characteristics of the **hull appendage** are not affected.

C.8 RIG

C.8.1 LIMITATIONS

- (a) During an event a maximum of two **masts** and two **booms** shall be used, except when an item has been lost or accidentally damaged beyond repair. Such item may only be replaced with the same type of item and with the approval of the Technical Committee.

C.8.2 MAINTENANCE AND MODIFICATIONS

- (a) The **rig** shall not be altered in any way except as permitted by these **class rules**.
- (b) Repairs may be carried out provided such repairs are made in such a way that the essential shape, characteristics or function of the original are not affected.
- (c) The **mast spar** shall be lengthened using the Techno 293 OD extension.
- (d) The **mast spar** extension may be shimmed with any self adhesive tape.
- (e) The **mast** spigot may be shimmed.
- (f) Any uphaul may be fitted.
- (g) Any safety line or device to secure the **rig** to the **hull** may be fitted.
- (h) The downhaul adjustment system is optional.
- (i) The outhaul adjustment system is optional.
- (j) The surface of the **boom spar** grip may be roughened using abrasive material.
- (k) Cleats, pulleys and ropes may be replaced by any of the same characteristics and function.
- (l) Any harness lines may be used.
- (m) Cleats and pulleys attached to the **rig** supplied by the manufacturer may be removed or replaced in its original position only using items of the same characteristics and function. Rivets may be replaced by rivets, screws or bolts with optional nuts.

C.9 SAILS

C.9.1 LIMITATIONS

- (a) During an event a maximum of two **sails**, of a different sail area, may be used, except when the **sail** has been lost or accidentally damaged beyond repair. A replacement may be made only with a **sail** of the same sail area and with the approval of the Technical Committee.
- (b) Competitors registering an 8.5 sail may also register the 7.8 sail as a change down sail; sailors registering the 7.8 sail as their largest may also register a 6.8 sail as a change down sail.
- (c) Only one set of battens per **sail** shall be used during an event.

C.9.2 SAIL IDENTIFICATION

(a) National Letters and Numbers

The national letters and sail number shall be black in colour and applied "back to back" on an opaque white background to the **sail**; positioned in the panel above batten 4 and as close to the **leech** as possible. The opaque background shall extend a minimum of 30 mm beyond the national letters and sail number.

(b) Division Identification

At events where the organising authority specifies the use of identification of division, the identification shall be provided and displayed on the sail as specified in the sailing instructions.

C.9.3 MAINTENANCE AND MODIFICATIONS

- (a) **Sails** and fittings shall not be altered in any way except as permitted by these **class rules**.
- (b) Repairs may be carried out provided such repairs are made in such a way that the essential shape, characteristics or function of the original are not affected.
- (c) Any transparent self-adhesive mono-film patches may be attached to the **sail** adjacent to the **boom spar**.
- (d) Any lubricant may be used on the camber inducers.
- (e) Battens and camber inducers may be replaced by the same type of fitting supplied by the licensed manufacturer.

Section D – Hull

D.1 MANUFACTURERS

- (a) The **hull** and fittings shall be produced by a licensed manufacturer.
- (b) The **hull** shall be produced only using moulds in the possession of the licensed manufacturer.

D.2 IDENTIFICATION

- (a) The **hull** shall have the unique serial number applied by the licenced manufacturer.
- (b) **Hulls** shall display the official WS logo as applied by the manufacturer.

D.3 MATERAILS, CONSTRUCTION and DIMENSIONS

The **hull** shall comply with the Techno 293 One Design building specifications.

D.4 FITTINGS

- (a) mast track complete
- (b) centreboard cassette
- (c) fin box
- (d) gasket assembly including gaskets
- (e) foot straps and fixing inserts

Section E – Hull Appendages

E.1 PARTS

- (a) 46cm one design **fin**
- (b) 50cm one design **fin**
- (c) One design **centreboard**

E.2 MANUFACTURERS

- (a) **Hull appendages** shall be produced only by a licensed manufacturer.

E.3 IDENTIFICATION

- (a) **Fins** and **centreboards** may carry a unique ID number on the headstock.

E.4 MATERIALS, CONSTRUCTION AND DIMENSIONS

Hull appendages shall comply with the Techno 293 One Design building specification.

Section F – Rig

F.1 PARTS

- (a) 460 One Design Mast
- (b) 490 One Design Mast
- (c) 205 – 255 One Design Boom
- (d) 185 – 235 One Design Boom

F.2 MANUFACTURERS

Masts, booms and fittings shall be produced only by a licensed manufacturer.

F.3 IDENTIFICATION

The top and bottom sections of the **mast** may carry an engraved serial number issued by the manufacturer.

F. 4 MATERIALS, CONSTRUCTION AND DIMENSIONS

Masts and **booms** shall comply with the Techno 293 One Design building specification.

F.5 FITTINGS

- (a) Mast Foot
- (b) Mast Extension

Section G – Sails

G.1 PARTS

- (a) 8.5 sq.m. One Design **sail**.
- (b) 7.8.sq.m. One Design **sail**.
- (c) 6.8 sq.m. One Design **sail**.

G.2 MANUFACTURERS

Sails and fittings shall be manufactured by a licensed manufacturer.

G.3 IDENTIFICATION

Class insignia shall be applied by the manufacturer.

G.4 MATERIALS, CONSTRUCTION and DIMENSIONS

The **sail** shall comply with the Techno 293 one design building specifications.

G.5 FITTINGS

- (a) Battens
- (b) Camber inducers

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