

TECHNO 293
CLASS RULES
2009



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INTRODUCTION

The Techno 293 Class is devoted to fostering the development of windsurf racing for competitors under the age of 17 years old around the world through the promotion of an inexpensive racing format.

The Techno 293 hulls, hull appendages, rigs and sails shall only be manufactured by Bic Sport or their appointed manufacturers. Such equipment is required to comply with the Techno 293 One Design Building Specification and is subject to an ISAF approved manufacturing control system.

After Techno 293 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, in the Equipment Rules of Sailing Part I and in the Racing Rules of Sailing.

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

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 ISAF International Sailing Federation
MNA ISAF 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 the ISAF, which shall co-operate with the TCA in all matters concerning these **class rules**.
- A.3.2 No liability or legal responsibility in respect of these Rules can be accepted by the ISAF or TCA, or its delegated representatives.

A.4 ISAF RULES

- A.4.1 These **class rules** shall be read in conjunction with the ERS.
- A.4.2 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.

A.5 CLASS RULES AMENDMENTS

- A.5.1 Amendments to these **class rules** are subject to the approval of the ISAF in accordance with the ISAF Regulations.

A.6 CLASS RULE INTERPRETATIONS

- A.6.1 Interpretation of **class rules** shall be made in accordance with the ISAF Regulations.

A.7 LICENSED MANUFACTURERS

- A.7.1 Techno 293 One Design equipment shall be manufactured by Bic Sport or by another manufacturer appointed and licensed by Bic Sport in consultation with the ISAF referred to as licensed manufacturers in these **class rules**.

A.8 SAIL NUMBERS

- A.8.1 Sail numbers shall be issued nationally (i.e. each country issues its own numbers). If the owner’s MNA is administering the Class, the owner shall apply to their MNA for a sail number; otherwise they shall apply to their NCA.

Section B – Equipment Eligibility

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

B.1 HULL CERTIFICATION & MARKINGS

- B.1.1 Hull **certificates** are not issued.
- B.1.2 Boards shall display the official ISAF logo with the text “ISAF”.

B.2 EVENT INSPECTION

B.2.1 GENERAL

- (a) For the purpose of RRS 78, **crews** are considered to be the owners.
- (b) The role of **Equipment Inspectors** at an event is to verify that equipment has been produced by a Licensed Manufacturer and has not been subsequently altered, using whatever inspection methods they deem appropriate, including comparison with a standard or a sample of other equipment presented for inspection. Should this comparison reveal deviation greater than the Inspector considers being within manufacturing tolerances, this shall be reported to technical representatives of ISAF, TCA and Bic Sport for investigation and a decision on the legality of the equipment. If this investigation takes longer than the time available for inspection, the owner shall present alternative equipment for inspection.

B.3 EVENT LIMITATION MARKS

- B.3.1 All items of a **crew's** equipment which are subject to control, as per the schedule on the Regatta Equipment Control Form, and which require **event limitation marks** shall be so marked.
- B.3.2 Some items of equipment may receive two **event limitation marks**, one in a readily visible position and a second in a position protected from wear and tear.

PART II – REQUIREMENTS AND LIMITATIONS

The **crew** and the equipment 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

- (a) The following ERS shall not apply: A.2 Certificate; B.9 Setting, Sheeting and Changing Sails.

C.2 CREW

C.2.1 LIMITATIONS

- (a) The **crew** shall consist of one person.

C.2.2 MEMBERSHIP

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

C.2.3 DIVISIONS

(a) Age / Gender Divisions

- (i) Boy or girl under the age of 15 years old (U15) on 31st December of the year of competition.
- (ii) Boy or girl under the age of 17 years old (U17) on 31st December of the year of competition.

C.3 PERSONAL EQUIPMENT

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

(a) Optional

- (i) Harness.
- (ii) In alteration to RRS 1.2 buoyancy vest or jacket is optional (which may be described as mandatory in the Sailing Instructions). If personal buoyancy is prescribed, every competitor shall wear a personal flotation device that shall conform to the minimum standard of ISO 12402-5 (Level 50). Alternative or additional standards may be prescribed in the Notice of Race or Sailing Instructions.
- (iii) A container for holding beverages in accordance with RRS Appendix B.2.1 (b)
- (iv) An electronic or mechanical timing device
- (v) A heart rate monitoring device

(b) Mandatory

- (i) Clothing and equipment, including harness but excluding beverage container, worn or carried by the **crew** shall not weigh more than **6kg** when weighed in accordance with RRS Appendix H.

C.4 PORTABLE EQUIPMENT

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

- C.4.2 (a) **Optional**
- (i) 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.

C.5 **ADVERTISING**

C.5.1 LIMITATIONS

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

C.6 **HULL**

C.6.1 LIMITATIONS

- (a) Only 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 Race Committee. The Race Committee shall then attach an **event limitation mark** to the replacement **hull** and remove or deface any **event limitation mark** attached to the replaced **hull**.
- (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 bare **hull** weight, including the complete mast track and gasket assembly, shall not be less than **12.3 kgs**.
- (b) Any **corrector weights** shall be securely fixed in an accessible position that ensures compliance with C.6.2(a)
- (c) 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 underside of the **hull** may be rubbed down and polished.
- (d) The **centreboard** cassette may be shimmed.
- (e) The deck grip may be restored to its original condition with a clear coating provided that the original deck graphics can be clearly seen.
- (f) 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) Only one **centreboard** and one 46cm **fin**, as supplied by the manufacturer, shall be used during an event, except when lost or damaged beyond repair. A replacement may be made only with the approval of the Race Committee. The Race Committee shall then attach an **event limitation mark** to the replacement **hull appendage** and remove or deface any **event limitation mark** attached to the replaced **hull appendage**.
- (b) The **centreboard** shall be carried in the centreboard case at all times when *racing*.

C.7.2 MAINTENANCE AND MODIFICATIONS

- (a) The **hull appendages** 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 sides of the **fin** root may be shimmed to fit the **fin** box.

C.8 RIG

C.8.1 LIMITATIONS

- (a) Only two **rigs** may be used during an event, except when an item has been lost or damaged beyond repair. Such item may only be replaced with the same type of item and with the approval of the Race Committee. The Race Committee shall then attach an **event limitation mark** to the replacement item and remove and deface any **event limitation mark** attached to the replaced item.
- (b) The 460 OD **mast** may be used with both the 6.8 OD **sail** and the 7.8 OD **sail**.

C.8.2 MAINTENANCE AND MODIFICATIONS

- (a) The **rigs** 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) A safety line or device to secure the **rig** to the **hull** shall 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) Only two **sails**, each of a different size, may be used in an event, except when the **sail** has been lost or damaged beyond repair. A replacement may be made only with a **sail** of the same size and with the approval of the Race Committee. The Race Committee shall then attach an **event limitation mark** to the replacement **sail** and remove or deface any **event limitation mark** attached to the replaced **sail**.
- (b) Sailors competing in the U17 division shall use the 7.8 sq.m **sail** and/or the 6.8 sq.m **sail**; sailors competing in the U15 division shall use the 6.8 sq.m **sail** and/or the 5.8 sq.m **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. In all other respects they shall comply with RRS Appendix G 1.2 for craft less than 3.5 m in length.

(b) Division Identification

At events where the organising authority specifies the use of identification of division, the identification shall be displayed on the sail above the class insignia. The minimum height shall be 230 mm. The divisions and displays shall be:

Boy (U17) - Black Diamond

- Girl (U17) - Red Diamond
- Boy (U15) - Black Triangle (pointing down)
- Girl (U15) - Red Triangle (pointing up)

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) Transparent self-adhesive mono-film patches may be attached to the **sail** adjacent to the **boom spar**.
- (d) A 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 by using moulds in the possession of Bic Sport.

D.2 IDENTIFICATION

- (a) The **hull** shall carry the unique serial number issued by the licenced manufacturer in a legible condition.

D.3 MATERIALS, 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
- (e) gaskets
- (f) towing eye
- (g) foot strap fixing inserts
- (h) foot straps

Section E – Hull Appendages

E.1 MANUFACTURERS

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

E.2 IDENTIFICATION

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

E.3 MATERIALS, CONSTRUCTION AND DIMENSIONS

Shall comply with the Techno 293 One Design building specification.

Section F – Rig

F.1 GENERAL

- (a) **Masts, booms** and fittings shall be produced only by a licensed manufacturer.

F.2 IDENTIFICATION

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

F.3 MATERIALS, CONSTRUCTION AND DIMENSIONS

Shall comply with the Techno 293 One Design building specification.

F.4 FITTINGS

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

Section G – Sails

G.1 PARTS

- (a) 7.8 sq.m One Design **sail**.
- (b) 6.8 sq.m One Design **sail**.
- (c) 5.8 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 class building Specifications.

G.5 FITTINGS

- (a) Battens
- (b) Camber Inducers

Effective:

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