



**WORLD
SAILING**

**INTERNATIONAL
CR:X
CLASS RULES**



The International CR:X Class Association is applying for adoption as a World Sailing Class in 2016

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INTRODUCTION

The CR:X is a kiteboard developed by NeilPryde Ltd.

CR:X hull, hull appendages, rig components and kite shall only be manufactured by NeilPryde Ltd or their appointed manufacturers. Such equipment is required to comply with the CR:X construction manual and is subject to a WS approved manufacturing

A hull, a hull appendage, a rig component or a kite may, after having left the licensed manufacturer, only be altered to the extent permitted in Section C of these class rules.

Owners and crews should be aware that compliance with rules in Section C is not checked as part of the factory based fundamental measurement process.

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 provides an informal background and is not part of the CR:X class rules.

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 Member National Authority
- NCA National Class Association
- CRX International CR:X Class Association
- NPL NeilPryde Ltd
- ERS Equipment Rules of Sailing
- RRS Racing Rules of Sailing

A.3 AUTHORITIES AND RESPONSIBILITIES

- A.3.1 The international Authority of the Class shall be WS, which shall cooperate with CRX in all matters concerning these **class rules**.
- A.3.2 Neither WS nor CRX accept any legal responsibility in respect of these **class rules** or any claim arising there from.

A.4 WORLD SAILING RULES

- A.4.1 These **class rules** shall be read in conjunction with ERS.
- A.4.2 Except where used in headlines, when a word is printed in “**bold**” type, the definition in the ERS applies, and when a term is “*italic*” type, the definition in the RRS applies.

A.5 AMENDMENTS TO CLASS RULES

- A.5.1 Amendments to these **class rules** require the approval of WS after adoption by a simple majority of the delegates’ vote in a general meeting of the CRX. Only delegates “in good standing” in accordance with the CRX Constitution are eligible to vote.

A.6 INTERPRETATION OF CLASS RULES

- A.6.1 Interpretations of these **class rules** shall be made by WS, which in coming to its decision shall consult the CRX.

A.7 SAIL NUMBERS

- A.7.1 Not used (RRS F.9 shall apply)

A.8 LICENSED MANUFACTURERS

- A.8.1 CR:X shall be manufactured by NeilPryde Ltd (except as otherwise stated in these **class rules**) or by other manufacturers appointed and licensed by NPL in consultation with WS referred to as licensed manufacturers in these **class rules**.

A.9 CLASS ADMINISTRATION

The class is administered by the International CR:X Class Association and managed by the International Kiteboarding Association.

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Section B – Equipment Eligibility

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

B.1 CERTIFICATE

B.1.1 **Hull certificates** are not issued.

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, (other than is permitted within these rules) 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 Equipment Inspector considers to be within manufacturing tolerances, this should be reported to technical representatives of WS, CRX and NPL for investigation and a decision on the legality of the equipment. If this investigation takes longer than the time available for inspection, the owner may 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 Measurement 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.

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PART II – REQUIREMENTS & LIMITATIONS

The **crew** and his/her equipment shall comply with the rules in this Part when *racing*. Inspection to check conformity with the rules of Section C is not part of **fundamental measurement**.

The rules in Part II are **closed class rules**. 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: C.3.3 Certificate.

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 a full member NCA, affiliated with CRX. If there is no NCA, or the **crew**'s NCA is not a full member of the CRX, then the **crew** must be an individual member of the CRX.

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

a) Buoyancy Aids

In alteration to RRS 1.2 the following provision is made: Competitors are not obliged to carry personal life saving equipment (flotation devices) on board unless RRS40 applies, in which case the **personal flotation devices** shall be worn. If used, the **personal flotation device** shall conform to the minimum standards of ISO 12402-5. Alternative or additional standards may be prescribed in the Notice of Race.

b) Helmets

All competitors shall wear a watersports helmet to the minimum standard of EN1385:2005. Alternative or additional standards may be prescribed in the Notice of Race.

C.3.3 a) Optional

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

- i) A Harness
- ii) A container for holding beverages in accordance with RRS Appendix F 4 43.1(a).
- iii) Any electronic or mechanical timing device
- iv) Any heart rate monitoring device.

C.3.3 b) Total weight

i) RRS 43.1 is changed so that clothing and equipment including harness, but excluding beverage container, worn or carried by the **crew** shall not weigh more than 9KG when weighted in accordance with RRS Appendix H.

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C4 PORTABLE EQUIPMENT

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

C.4.2 a) **Optional**

i) any GPS tracking device . The Notice of Race or Sailing Instructions may change this rule.

ii) Any camera recording equipment and attachments, where permitted by the Notice of Race and/or Sailing instructions, and removable for weighing

C.5 IDENTIFICATION

C.5.1 Competitors shall comply with RRS F9

C.6 ADVERTISING

C.6.1 Advertising shall only be displayed in accordance with the WS Advertising Code.

C.7 HULL

C.7.1 LIMITATIONS

a) Only one **hull** shall be used during an event, except when lost or unintentionally damaged beyond repair. Such replacements may be made only with the approval of the Race Committee. The Race Committee shall then attach an **event limitation mark** to the replacing **hull** and remove or deface any **event limitation mark** attached to the replaced **hull**.

b) A maximum of 3 foot straps or 2 bindings by a licensed manufacturer, shall be fitted to the existing inserts using any stainless screw. Foot straps shall be fitted with at least one screw and washer strap at each end. The foot straps and bindings may be changed or replaced during an event.

C.7.2 HULL WEIGHT

a) The weight of the **hull** excluding the complete hydrofoil system, fins, footstraps, grab handle and bindings shall not be less than **4 kg**.

b) The **hull** may be weighed wet after a minimum of 10 minutes standing vertically on its edge in accordance with Appendix H.1.

C.7.3 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) Extra attachment holes may be added to the Foot strap. Foot straps may be taped.

d) The **hull rail** may be lightly sanded.

e) The manufacturers graphics printed on the inner layer of the base film shall not be affected except in the case of the result of local repairs to unintentional damage. The Notice of Race or Sailing Instructions for events other than the Sailing World Cup, World and Continental championships may amend this rule.

C.8 HULL APPENDAGES

C.8.1 LIMITATIONS

a) All competitors shall use either the CR:X hydrofoil system or the 60mm CR:X fins as supplied by a licensed manufacturer.

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b) Only one **hydrofoil system**, and **4 fins** shall be used during an event, except when lost or unintentionally damaged beyond repair. Such replacements may be made only with the approval of the Race Committee. The Race Committee shall then attach an **event limitation mark** to the replacing **hull appendage** and remove or deface any **event limitation mark** attached to the replaced **hull appendage**.

C.8.2 HULL APPENDAGE WEIGHT

a) the weight of the **hull appendages** including mast, mast socket, fuselage front & rear foils, trim tabs and fixing bolts but excluding fins and fin screws when weighed in accordance with Appendix H.1 shall not be less than **4.5kg**

C.8.3 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) **Hull appendages** may be lightly sanded providing that the essential shape and characteristics of the **hull appendage** are not affected.

d) The sides of the mast may be sanded or shimmed to fit the mast socket.

C.9 RIG COMPONENTS

C.9.1 LIMITATIONS

a) Only one control **bar/ flying lines / bridle set** may be used during an event, except when an item has been lost, tangled or unintentionally 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 replacing item and remove or deface any **event limitation mark** attached to the replaced item.

b) The security leash supplied by a licensed manufacturer must be used at all times while racing.

C.9.2 MAINTENANCE AND MODIFICATIONS

a) The **rig components** 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) Flying lines shall be as supplied by a licensed manufacturer and shall not be lengthened.

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C10 KITES

C.10.1 LIMITATIONS

a) Not more than three kites, one in each size 7m² / 10m² / 13m², may be used during an event, except when a **kite** has been lost or unintentionally damaged beyond repair. Such replacement may be made only with a **kite** of the same size and with the approval of the Race Committee. The Race Committee shall then attach an **event limitation mark** to the replacing **kite** and remove or deface any **event limitation mark** attached to the replaced **kite**.

C.10.2 MAINTENANCE AND MODIFICATIONS

a) **Kites** 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.

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Section D – Hull

D.1 GENERAL

D.1.1 MANUFACTURERS

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

D.1.3 IDENTIFICATION

- a) The **hull** shall carry a manufacturers serial number on the aft underside

D.2 MATERIALS, CONSTRUCTION AND DIMENSIONS

Shall comply with the NPL CRX construction manual.

D.3 FITTINGS

- a) Foot straps
- b) Bindings
- c) Grab handle

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Section E – Hull Appendages

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E.1 PARTS

a) Hydrofoil system consisting of:

- Foil mast socket
- Foil mast
- Foil fuselage
- Foil rear wing
- Foil front wint
- Foil trim tabs
- Foil fixing bolts

b) 60mm Twin tip fins

E.2 GENERAL

E.2.1 MANUFACTURERS

a) **Hull appendages** shall be manufactured by a licensed manufacturer.

b) Moulds shall be made from master plugs, made from the master files, in the possession of the licensed manufacturer appointed by Neil Pryde Ltd. and shall be approved by the WS.

E.2.2 IDENTIFICATION

a) The **mast, wings and fins** shall carry the CR:X graphic as applied by the licensed manufacturer.

E.3 MATERIALS, CONSTRUCTION AND DIMENSIONS

Shall comply with the NPL CR:X construction manual.

Section F – Rig Components

F.1 GENERAL

F.1.1 MANUFACTURERS

Control Bars, flying lines, bridles, Quick Release and security leash shall be manufactured by a licensed manufacturer.

F.1.2 IDENTIFICATION

- a) The control **bar** shall carry the manufacturer's identification as applied in the factory.
- b) The Quick Release shall carry the manufacturer's identification as applied in the factory.
- c) The security leash shall carry the manufacturer's graphics as applied in the factory.

F.2 MATERIALS, CONSTRUCTION AND DIMENSIONS

Shall comply with the NPL CR:X construction manual.

F.3 FITTINGS

- a) Control bar.
- b) Flying lines
- c) Bridle set
- d) Depower system
- e) Quick Release
- f) Security leash

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Section G – Kites

G.1 PARTS

- a) 7m2 kite
- c) 10m2 kite
- d) 13m2 kite

G 2 GENERAL

G 2.1 MANUFACTURERS

Kites and fittings shall be manufactured by a licensed manufacturer.

G 2.2 IDENTIFICATION

The Class insignia shall be applied by the licensed manufacturer.to each kite size.
Each LE and strut bladder shall carry the manufacturer's graphics.

G.3 MATERIALS, CONSTRUCTION AND DIMENSIONS

Shall comply with the NPL CR:X construction manual

G.4 FITTINGS

- a) LE Bladder
- b) Strut Bladders
- c) Single point inflation system

Section H – Hull Weighing

H.1

Hull Weighing – Wet

Where an **Equipment Inspector** chooses to apply C.7.2 or C.8.2, the following procedure shall be applied.

The **hull** shall be presented for this test in the condition as prescribed in C.7.2.a), which shall require the foot straps, foot pads and appendages to be removed.

The **hull** shall be put into water and left unaided to float for 30 seconds. The hull shall then be turned over and left to float unaided for a further 30 seconds.

Once complete, the **hull** shall be stood vertically on its aft end for a period of 10 minutes. After the 10 minutes the **hull** shall be re-weighed.

The **hull appendages** listed in C.8.2 a) shall be weighed in an assembled dry state.

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