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Class Rules

International Formula Windsurfing Class Association



The International Formula Windsurfing Class was adopted as a World Sailing class in 2001.

sport / nature / technology



World Sailing
Class Association

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INTRODUCTION

The object of the International Formula Windsurfing Class Rules is to establish the Class as one in which many different types of production windsurfers, which are available internationally, can compete.

Formula Windsurfing hulls are manufactured controlled and shall only be manufactured by World Sailing registered manufacturers

Hull appendages, rigs and sails are measurement controlled.

Formula Windsurfing hulls may, after having left the manufacturer, only be altered to the extent permitted in Section C of the class rules.

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

This introduction only provides an informal background and the International Formula Windsurfing Class Rules proper begin on the next page.

PLEASE REMEMBER:

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

Part I – ADMINISTRATION

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
IFWC International Formula Windsurfing Class
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 World Sailing, which shall cooperate with the IFWC in all matters concerning these **class rules**.
- A.3.2 No liability or legal responsibility in respect of these **Class Rules** can be accepted by the WS, IFWC, or its delegated representatives.

A.4 ADMINISTRATION OF THE CLASS

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

A.5 WS RULES

- A.5.1 These **class rules** shall be read in conjunction with the ERS.
- A.5.2 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.6 CLASS RULES VARIATIONS

- A.6.1 At Class Events WS Regulation 10.5(f) applies. At all other events RRS 87 applies.

A.7 CLASS RULES AMENDMENTS

- A.7.1 Amendments to these **class rules** are subject to the approval of WS in accordance with WS Regulations.

A.8 CLASS RULES INTERPRETATIONS

- A.8.1 Interpretation of **class rules** shall be made in accordance with WS Regulations.

A.9 LICENSED MANUFACTURERS

- A.9.1 No board shall compete in IFWC events unless it is a series productionboard registered with WS, and included on the Formula Production Board list.
- A.9.2 To be eligible for the IFWC World Championships a board shall have been registered with the WS, and included on the relevant Formula Production Board list, not less than 60 days prior to the start of the event.

A.10 SAIL NUMBERS

- A.10.1 Sail numbers shall be issued nationally (i.e. each country issues its own numbers). If the owner's MNA is administering the Class, the owners shall apply to their MNA for a sail number; otherwise they shall apply to their NCA.

Section B –Equipment Eligibility

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

B.1 HULL MARKINGS

- B.1.1 Boards shall display the official WS logo as applied by the manufacturer.

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 ensure compliance with these **class rules**. Where an **equipment inspector** determines that an item of equipment needs further investigation they shall use 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 WS, IFWC and Manufacturer 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 **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 **open 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 LIMITATION

During a race only one **fin** or **foil**, 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 IFWC

C.2.3 AGE DIVISION

- (a) Open
- (b) Women
- (c) Youth – under the age of 20 on the 31st December of the year of the competition.
- (d) Junior – under the age of 17 on the 31st December of the year of the competition.

C.2.4 EQUIPMENT DIVISION

- (a) **Fin** Division
- (b) **Foil** Division

C.3 PERSONAL EQUIPMENT

C.3.1 SAFETY AND LIFE-SAVING EQUIPMENT

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.

C.3.2 EQUIPMENT WEIGHT

- (a) In amendment to RRS 43, Clothing and equipment, including harness but excluding beverage container worn or carried by the crew shall not weigh more than 9kg when weighed in accordance with RRS Appendix H.

C.4 ADVERTISING

C.4.1 LIMITATIONS

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

C.5 HULL

C.5.1 LIMITATIONS

During an event, not more than 1 **hull** shall be registered and used for an event, except when a **hull** has been lost or accidentally damaged beyond repair. A replacement may be made only with the approval of the Technical Committee. The Technical 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**.

C.5.2 MODIFICATIONS, MAINTENANCE and REPAIR

- (a) Alteration of **hull** shape, major underside re-fairing or deliberate removal of the finishing coat/s is not permitted unless in the case of the result of local repairs to unintentional damage. The serial number as required by D.1.1 shall remain legible.
- (a) The deck grip may be restored to its original condition with a clear coating provided that the original deck graphics can be identified.
- (b) a damaged fin box may only be replaced by the same 'type' of box, and be positioned at the same position as the original.

C.5.3 HULL WEIGHT

- (a) The **hull weight** including footstraps and **fin or foil**, without deckplate and/or mastbase, shall be not less than 9.0kg.
- (b) Any corrector weights shall be securely fixed in an accessible position that ensures compliance with C.5.3 (a)

C.6 HULL APPENDAGES

C.6.1 FIN DIVISION

C.6.1.1 LIMITATIONS

- (a) During an event a maximum of three **fins** shall be registered and used during an event except when a **fin** has been lost or accidentally damaged beyond repair. A replacement may be made only with the approval of the Technical Committee. The Technical Committee shall then attach an **event limitation mark** to the replacement **fin** and remove or deface any **event limitation mark** attached to the replaced **fin**.
- (b) The distance between any point of a **fin** to its closest point to the **hull** shall not exceed 700mm.

(c) Any other **hull appendage** other than the **fin** is prohibited.

C.6.2 FOIL DIVISION

C.6.2.1 LIMITATIONS

(a) During an event a maximum of one **foil** shall be registered and used during an event except when a **foil** has been lost or accidentally damaged beyond repair. A replacement may be made only with the approval of the Technical Committee. The Technical Committee shall then attach an **event limitation mark** to the replacement **foil** and remove or deface any **event limitation mark** attached to the replaced **foil**.

(b) Any other **hull appendage** other than the **foil** is prohibited.

(c) A **foil** is defined as – 1 mast, 2 fuselage, 2 front wings, 2 back wings.

C.6.2.2 DIMENSIONS

	<u>Minimum</u>	Max
Foil mast length		1130mm
Front wing wingspan		1000mm
Fuselage length		1250mm

The measurement of foil mast length and fuselage length is conducted according to the diagrams in Appendix A.

C.7 RIG

C.7.1. MAST

(a) CONSTRUCTION

(i) The **mast spar cross section** shall be circular.

(ii) Pre-bent **masts** are prohibited

(b) DIMENSIONS

	Min	Max
Mast length		6250mm

(c) LIMITATIONS

(i) With the **mast** attached to the **hull** it shall be possible to incline the **mast** at least 90 degrees from the vertical axis of the **hull** in every direction.

(ii) The **mast** shall have a quick release system, in order to be detached from the **hull**.

C.7.2 BOOM

(a) DIMENSIONS

	Min	Max
Internal length of the wishbone boom excluding attachments		3010mm

(b) USE

Harness attachments if fitted shall be attached to the **wishbone boom**.

C.8 SAILS

C.8.1 LIMITATIONS

(a) During an event, a maximum of three **sails** shall be registered and used for an event, except when a **sail** has been lost or accidentally damaged beyond repair. A replacement may be made only with the approval of the Technical Committee. The Technical 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) Size

(i) Fin Division

	Minimum	Maximum
Men		12.5 m ²
Woman		11.0 m ²
Youths		11.0 m ²
Junior		10.0 m ²

(ii) Foil Division

	Minimum	Maximum
Men		11.0 m ²
Woman		9.0 m ²
Youths		9.0 m ²
Junior		8.0 m ²

(c) Where an **Equipment Inspector** is in doubt as to the area of the **sail**, they shall use the WS guide to Sail Area Measurement, section K4 in the [WS Measurers Manual](#), in which case a tolerance of 3.2% on the total sail area is permitted.

C.8.2 IDENTIFICATION

RRS Appendix B.9, G.1.1(a), G.1.2 and G.1.3 are changed as follows.

(a) The **sail** shall carry the National Letters and Sail Numbers as specified in FIG A below. The height of characters and space between adjoining characters on the same and opposite sides of the **sail** shall be as follows:

Minimum height	190 mm
Minimum space between characters and from edge of sail	20 mm

(b) For World Championships and Continental Championships, the class insignia shall be placed on the **sail** as specified in Fig A below. The Class Insignia shall comply with the following specifications:

Minimum width	160 mm
Minimum height	140mm

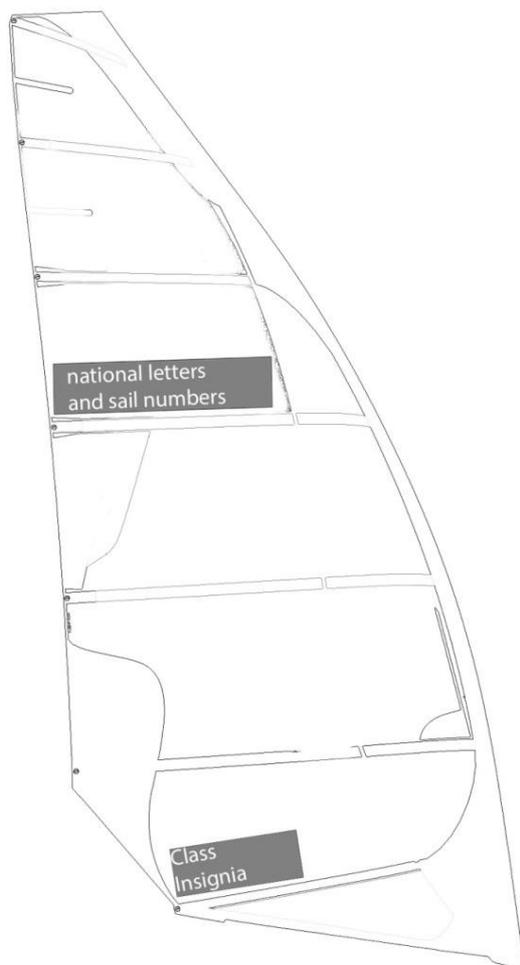


FIG A - Fig A reports the National Letters, Sail Numbers and Class Insignia approximated position

Section D – Hull

D.1 GENERAL

D.1.1 IDENTIFICATION.

The **hull** shall carry a permanent unique serial number applied by the manufacturer.

D.1.2 DIMENSIONS

For boards registered until 01.01.2024

	Minimum	Maximum
Hull Beam		1005mm

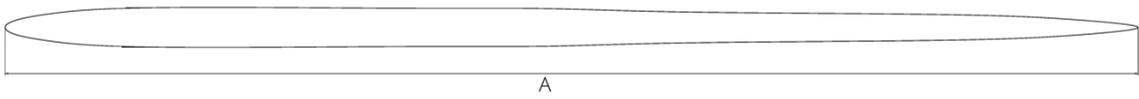
For boards registered after 01.01.2024

	Minimum	Maximum
Hull Beam		950mm

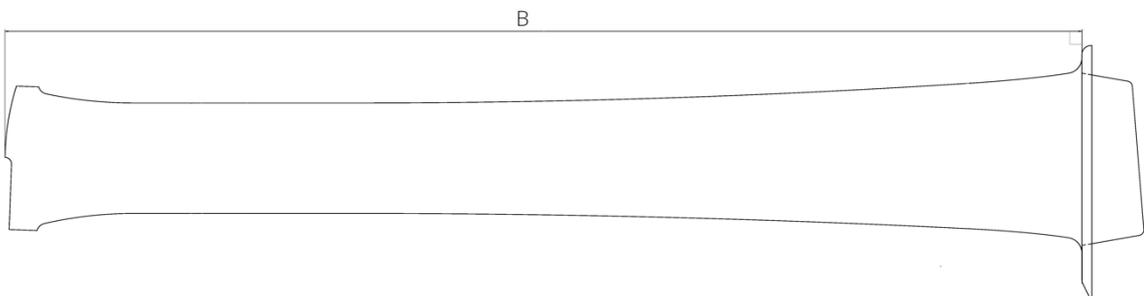
Appendix A

Hydrofoil Measurement Diagrams

Fuselage length - A



Foil mast length - B



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