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STATUS: **APPROVED**

INTERNATIONAL W1 CLASS ASSOCIATION

2026 WING ONE CLASS RULES

■ ■ ■ WING ONE CLASS – W1

The W1 class was designed by Vayu and Levitaz in 2026.

The W1 Class is subject to the authority of World Sailing (WS).



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INTRODUCTION

This introduction only provides an informal background, and the International W1 Class (W1C) Rules properly begin on the next page.

W1C hulls, hull appendages and sails are manufacturing controlled.

All equipment shall only be manufactured by approved manufacturers – in the class rules referred to as licensed manufacturers – unless otherwise permitted by these rules.

Equipment is required to comply with the International W1C Building Specification and is subject to a World Sailing approved manufacturing control system.

W1C hulls, hull appendages 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 certification 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.

PLEASE REMEMBER:

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

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.1.3 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.1.4 The term 'board' or 'wingfoil' in these rules means *boat*.

A.2 ABBREVIATIONS

WS	World Sailing
MNA	WS Member National Authority
W1C	International W1 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 Class Rules authority of the class is World Sailing, which shall co-operate with the W1C in all matters concerning these class rules.
- A.3.2 Neither WS nor the W1C accept any legal responsibility in respect of these class rules or any claim arising therefrom.

A.4 ADMINISTRATION OF THE CLASS

- A.4.1 WS has delegated its administrative functions of the class to the W1C and its certification authority to the W1C Technical Committee.

A.5 WORLD SAILING 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 CHANGES

- A.6.1 Amendments to these class rules are subject to the approval of World Sailing in accordance with World Sailing Regulations.

A.7 INTERPRETATION OF CLASS RULES

A.7.1 Interpretation of these class rules shall be made in accordance with WS Regulations.

A.8 WS PLAQUE

A.8.1 Licensed manufacturers shall pay the 'plaque fee' to WS.

SECTION B – EQUIPMENT ELIGIBILITY

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

B.1 CLASS RULES AND CERTIFICATION

B.1.1 The wingfoil shall:

- (a) have been manufactured by licensed manufacturers (approved by WS after being approved as an international class), except as otherwise stated in these class rules.
- (b) carry unique QR stickers and serial numbers applied by the licensed manufacturer where required by the class rules. In the event of the loss of a QR sticker, the W1C Technical Committee may issue a certificate for that equipment item which shall be produced at an event. See RRS 78.2. Contact technical@w1class.org
- (c) be in compliance with the class rules and have not been modified in any way other than permitted by the class rules.

PART II – REQUIREMENTS AND LIMITATIONS

The crew and their equipment shall comply with the Rules in Part II 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. 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 ERS shall apply.
- (b) In accordance with RRS 1.2 the following provision is made: The crew does not have to wear or carry on board a Personal Flotation Device unless RRS 40 applies or the Notice of Race or Sailing Instructions specifies it. The Personal Flotation Device shall conform to the minimum standard of ISO 12402-5 and if prescribed, the crew shall wear it. Alternative or additional standards may be prescribed in the Notice of Race.
- (c) RRS 50.1(b) is changed as permitted by the rule itself to specify a clothing and equipment weight as set in C.3.4 and the harness weight as set in C.3.3(i).

C.2 CREW

C.2.1 LIMITATIONS

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

C.2.2 MEMBERSHIP

- (a) For all National Championships, World Championships, Continental Championships, Trofeo S.A.R Princess Sofia, SOF Semaine Olympique Francaise de Voile, Kieler Woche, Long Beach Olympic Classes Regatta and the Dutch Water Week events, or when invoked by the NoR, the crew shall be member of his/her NCA. If there is no NCA then the crew shall be a member of the International W1C Association.

C.2.3 DIVISIONS

- (a) Gender divisions
 - (1) Men (Senior)
 - (2) Women (Senior)
- (b) Age divisions

- (1) U21: The crew shall not have attained his or her 21st birthday before or on 31st December of the year of the event. The U21 division will use the same equipment as the Senior division.
- (2) Masters: The crew shall have attained his or her 40th birthday before the year of the event. The Masters division will use the same equipment as the Senior division.

C.2.4 IDENTIFICATION

- (a) Competitors shall comply with RRS WF9.

C.3 PERSONAL EQUIPMENT

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

C.3.2 MANDATORY

For Use:

- (a) The crew shall wear a helmet that shall be to the minimum standard EN1385, EN1077, EN 966, ASTM 2040, Snell S98 or equivalent, with a brightly colored region of at least 300 square centimeters of the exterior surface (not divided in more than 4 parts) that can be seen from above the water with crew lying face down or face up. The Notice of Race or Sailing Instructions may change this rule to prescribe alternative or additional standards.
- (b) A detachable wing-leash shall be used and worn as intended, except briefly while changing or adjusting clothing or personal equipment.
- (c) Except when the use of a personal flotation device is required by RRS 40, the crew shall wear an impact vest. The impact vest may act as personal flotation device if in accordance with C.1.1(b). From January 1st 2028, the impact vest shall comply with the minimum standard ISO 12402-5, or USCG Type III, or AS 4758 Level 50 or equivalent.

C.3.3 OPTIONAL

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

- (i) a crew harness with a maximum permitted weight of 2 kg.
- (ii) a personal flotation device to the minimum standard ISO 12402-5, or USCG Type III, or AS 4758 Level 50 or equivalent.
- (iii) additional body protection gear.
- (iv) a whistle.
- (v) a drinking container in compliance with RRS Appendix WF, 50.1(a).
- (vi) an electronic or mechanical timing device.
- (vii) a heart rate monitoring device.

(viii) tools and spare fittings.

(ix) a personal GPS device, if not prohibited by the Notice of Race.

C.3.4 TOTAL WEIGHT

As permitted by RRS 50.1(b), the total weight of a competitor's clothing and equipment, including footwear and clothing worn below the knee, shall not weight more than 6 kg. The drinking container (empty) are considered as competitor's clothing and equipment and therefore included. When the crew is required to carry equipment supplied by the Organizing Authority, it shall be excluded from weighing under C.3.4.

C.4 PORTABLE EQUIPMENT

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

C.4.2 MANDATORY

For Use:

(a) The Notice of Race or Sailing Instructions may require a boat or crew to carry supplied recording equipment (sound and/or video). If a GPS or tracking device as supplied by the Organising Authority, the Organising Authority shall provide instructions of its fitting to the boat or crew.

C.4.3 OPTIONAL

For the avoidance of doubt, when items listed here are worn or carried by the crew they shall be included for weighing under C.3.4.

For Use:

- (a) a board leash.
- (b) tools and spare fittings.
- (c) timing devices.
- (d) recording equipment (sound and/or video) and personal GPS devices and any associated attachment fittings, when not prohibited by the Notice of Race or Sailing Instructions.

Not for Use:

- (a) A towrope of minimum length 5 m may be carried by the crew. The Notice of Race or Sailing Instruction may change this rule or make its use mandatory.

C.5 ADVERTISING

C.5.1 LIMITATIONS

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

C.6 WINGFOIL

C.6.1

REPAIR

- (a) All repairs require written approval unless stated otherwise in these rules.
- (b) Approval may only be granted by the W1C Technical Committee: technical@w1class.org
- (c) Permission to undertake a repair during an event may be granted by the Event Technical Committee. The required written approval by the W1C Technical Committee may be granted after the event.
- (d) Repairs shall not be used to reinforce an existing part and shall not alter the essential shape, characteristics, and function of the original equipment.

C.6.2

LIMITATIONS

- (a) No more than 1 hull, 1 wing, 1 hydrofoil consisting of 1 foil mast, 1 front wing (including fuselage) and 1 rear wing, may be registered for an event. When lost or accidentally damaged beyond repair, a replacement may be used if approved by the Event Technical Committee.
- (b) Replacements to registered equipment during an event shall only be made with the approval of the Event Technical Committee unless otherwise permitted in the class rules.

C.7

HULL

C.7.1

MODIFICATIONS

- (a) A maximum of 3 foot straps may be fitted to the existing inserts.
- (b) Foot straps and fittings may be removed, replaced or added during an event without approval while in compliance with C.7.1(a). Replacements or additions may be of any type and manufacturer. The total weight of all fitted foot straps with fittings must be a minimum of 450 grams in wet condition.

C.7.2

HULL IDENTIFICATION

- (a) When invoked by the NoR, the hull shall display the competitor's national flag and name. The display shall comply with the details included in C.7.2(c).
- (b) The Competitors Name stickers do not require to be produced by licensed manufacturers.
- (c) The competitors' name stickers shall comply with the following specifications:
 - (i) shall display the national flag of the competitor within the sticker boundaries in front of the name. The flag design shall comply with the competitor's National Olympic Committee flag. An alternative design may be used with approval of the competitor's MNA.

- (ii) shall read either the first and last name or first name initial and last name.
- (iii) the height of the name sticker shall be 100 mm (+/-2 mm). The length varies with different name combinations.
- (iv) flag and name shall have a distance of 10 mm (+/-2 mm) to the edge of the sticker.
- (v) font height shall be 80 mm (+/-2 mm). Font face shall be 'Inter Black Italic' (font weight 900).
- (vi) background colour of the sticker shall be black.
- (vii) font colour shall be white.
- (d) Competitors' name stickers shall be placed on both rails of the hull approx. in the middle of the length of the hull.

C.7.3 MAINTENANCE

- (a) Cleaning of the hull permitted.

C.7.4 REPAIR

- (a) Repairs to the hull require approval as described in C.6.1 with the following exceptions:
 - (i) filling and blending of chips, gouges and splits smaller than 200 mm in length may be carried without approval.

C.7.5 HULL WEIGHT

- (a) The weight of the hull in dry condition with no foot straps shall be a minimum of 5700 gr for the women's division hull and 6100 gr for the men's division hull.
- (b) The weight of the hull in wet condition with the minimum foot straps, as highlighted in C.7.1(a), and its fittings shall be a minimum of 6150 gr for the women's division and 6550 gr for the men's division. For the purpose of checking this rule, the measurement shall be taken after being placed in the water unaided to float for 30 seconds on each side and after left standing vertically on its aft end for a minimum of 10 minutes.

C.7.6 CORRECTOR WEIGHTS

- (a) When the hull weight is less than the minimum required, corrector weights of lead shall be fastened to a location to be determined by the Event Technical Committee.
- (b) The total weight of corrector weight shall not exceed 200 g.
- (c) Corrector weights installed by licensed manufacturers shall not be removed.

C.8 HULL APPENDAGES

C.8.1 MODIFICATIONS

- (a) The hydrofoil system fittings may be replaced by any fittings of the same size.

C.8.2 MAINTENANCE

- (a) Maintenance of appendages is permitted with the following exceptions:
 - (i) coating is not permitted as part of maintenance.
 - (ii) sanding as part of maintenance is only permitted on the paint layers and shall not reach the internal carbon fibers.

C.8.3 REPAIR

- (a) Repairs to the appendages require approval as described in C.6.1, except filling and blending of small voids (chips and gouges) smaller than 10 mm x 10 mm which may be carried out without approval.

C.9 RIG

C.9.1 MODIFICATIONS

- (a) Any adjustable outhaul system may be used. The system may use any number of blocks, ropes or pulley systems.
- (b) Any harness lines may be used.

C.10 SAILS

C.10.1 MODIFICATIONS, MAINTENANCE AND REPAIR

- (a) Repair of sails shall not affect the shape, characteristics, function and look of the original and may be carried out without approval with the following exception:
 - (i) during an event, repairs of sails require the approval of the Event Technical Committee.
- (b) Cleaning is permitted.
- (c) Bladders may be replaced. Such replacements shall be made on a 'like for like' basis using bladders supplied by the licensed manufacturer.
- (d) Battens may be replaced. Such replacements shall be made on a 'like for like' basis using fittings supplied by the licensed manufacturer.
- (e) Batten connections may be covered with transparent adhesive tape. Applied tape shall not affect the bend or performance characteristics of the battens.
- (f) Tape may be used on the boom.

C.10.2 SAIL IDENTIFICATION

- (a) When invoked by the Notice of Race, the sail shall carry a number issued annually by the Class ("Identification disc").
- (b) When invoked by the Notice of Race, the sail shall carry the National Letters as specified in C.10.2(d) and C.10.2(e).
- (c) When invoked by the Notice of Race, the sail shall display the competitor's national flag and National Letters as specified in C.10.2(d) and C.10.2(e).
- (d) Stickers shall be placed back-to-back on both sides of the sail.
- (e) **NATIONAL LETTERS AND NATIONALITY FLAGS**



- (i) National Letters and National Flag stickers do not require to be produced by licensed manufacturers.
- (ii) The flag design shall comply with the competitors' National Olympic Committee flag. An alternative design may be used with approval of the competitor's MNA.
- (iii) They shall comply with the following specifications and placed as shown in the diagram.

REF	DEFINITION	MEASUREMENTS
	Font face	Inter, Black (900)
d	Distance from characters to Nationality Flag	20 mm (+/-2 mm)
H	Sticker height. Varies with different combinations of National Letters	n/a
L	Sticker length	Width of bottom of Nationality Flag

SECTION D – HULL

D.1 GENERAL

All parts of the hull and its associated fittings are to be produced by licensed manufacturers unless specified otherwise in C.7.1.

D.1.1 PARTS

- (a) Hull for the Men division:
 - (i) W1 ML 85L / Vayu Fly Midlength 5'8 or
 - (ii) Vayu Fly Carbon (any model, grandfathered) or
 - (iii) Vayu Fly (any model, grandfathered)
- (b) Hull for the Women division:
 - (i) W1 ML 70L / Vayu Fly Midlength 5'6 or
 - (ii) Vayu Fly Carbon (any model, grandfathered) or
 - (iii) Vayu Fly (any model, grandfathered)
- (c) Its associated fittings:
 - (i) hydrofoil mast track
 - (ii) foot straps
 - (iii) foot strap fittings
 - (iv) vent plug fitting

D.2 IDENTIFICATION

- (a) The hull shall carry a manufacturer's serial number and have a unique QR sticker applied by the licensed manufacturer.
- (b) Hulls shall display the official WS logo / plaque as applied by the manufacturer (after approval as a World Sailing Class).

D.3 MATERIALS, CONSTRUCTION AND DIMENSIONS

- (a) The hull shall comply with the W1C technical specifications as approved by WS.

SECTION E – HULL APPENDAGES

E.1 GENERAL

All parts of the hull appendages and their associated fittings are to be produced by licensed manufacturers unless specified otherwise in C.8.1.

E.1.1 PARTS

- (a) Carbon hydrofoil system for the Men including:
 - (i) hydrofoil mast Levitaz FS 96
 - (ii) front wing Levitaz FS 790
 - (iii) rear wing (stabilizer) Levitaz FS 180
 - (iv) associated fittings
- (b) Carbon hydrofoil system for the Women including:
 - (i) hydrofoil mast Levitaz FS 96
 - (ii) front wing Levitaz FS 680
 - (iii) rear wing (stabilizer) Levitaz FS 180
 - (iv) associated fittings

E.2 IDENTIFICATION

- (a) The hydrofoil mast shall carry a unique QR sticker issued by the manufacturer.
- (b) The hydrofoil front wing and rear wing shall carry a unique serial number issued by the manufacturer.

E.3 MATERIALS, CONSTRUCTION AND DIMENSIONS

- (a) Hull appendages shall comply with the W1C technical specifications as approved by WS.

SECTION F – RIG

F.1 GENERAL

Not in use.

SECTION G – SAIL

G.1 GENERAL

All parts of the sail and its associated fittings are to be produced by licensed manufacturers unless specified otherwise in C.10.1.

G.1.1 PARTS

- (a) 6.5 m² sail for the Men:
 - (i) Vayu W1 6.5 or
 - (ii) Vayu Aura X-V3 6.5 (grandfathered model) or
 - (iii) Vayu Aura V4 6.5 LW (grandfathered model)
- (b) 5.5 m² sail for the Women:
 - (i) Vayu W1 5.5 or
 - (ii) Vayu Aura X-V3 5.5 (grandfathered model) or
 - (iii) Vayu Aura V4 5.5 (grandfathered model)
- (c) For Men and Women: battens

G.2 IDENTIFICATION

- (a) Sails shall carry a manufacturer's serial number and have a unique QR sticker applied by the licensed manufacturer.

G.3 MATERIALS, CONSTRUCTION AND DIMENSIONS

- (a) The sail and battens shall comply with the W1C technical specifications as approved by WS.

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