

# Class Rule Changes

Formula Wing Class Association

Effective date: tbc

Status: Submissions for 2024 IWSA General Assembly



## Amendment One

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### B.1 REGISTERED EQUIPMENT

Amend to add:

#### **B.1 REGISTERED EQUIPMENT**

**B.1.1** From 01 June 2025 onwards, no wing-foilboard shall compete in IWSA Formula Wing class events unless it is series production equipment and registered with the IWSA or World Sailing (as applicable) and included in the registered production equipment list.

#### **REASONS**

To further enforce a level playing field, equipment limitation is necessary. The first step is to register production equipment in line with World Sailing approved procedures. Registration may take place at any time with an eligibility date depending on equipment availability. These registration cycles may be amended over time to come to an annual registration to protect investment in equipment, and later align with the Olympic cycle.

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## Amendment Two

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### C.1 RULES

#### Old:

C.1.1.3 In accordance with RRS 50.1(b), the total weight of a competitors clothing and equipment (including a harness, if used) shall not exceed 8.00 kg.

#### Amend to read:

C.1.1.3 In accordance with RRS 50.1(b), the total weight of a competitors clothing and equipment ~~(including a harness, if used)~~ shall not exceed 6.00 kg.

### REASONS

Consequential change to the new 2025-2028 RRS and ERS. The new Equipment Rules of Sailing and Racing Rules of Sailing define the harness as separate item and not included in the total weight of equipment anymore, therefore the total weight needs to be reduced.

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## Amendment Three

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### C.1.2 LIMITATIONS PER COMPETITOR

#### Old:

#### C.1.2 LIMITATIONS PER COMPETITOR

- (a) Not more than any one hull, any one hydrofoil system mast, a maximum of two hydrofoil system gliders and a maximum of three wings shall be registered for an event. When a hull, foil system or wing 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 replacing item.
- (b) Not more than one frontwing, one rearwing/stabilizer and one fuselage shall be used in a hydrofoil system glider.
- (c) Not more than one wing shall be registered per size range:
  - Large: Nominal Size of 6.0 m<sup>2</sup> or bigger
  - Medium: Nominal Size of 4.5 m<sup>2</sup> to 6.0 m<sup>2</sup>
  - Small: Nominal Size 4.5 m<sup>2</sup> or smaller

#### Amend to read:

#### Option 1

#### C.1.2 LIMITATIONS PER COMPETITOR

- (a) Not more than any one hull, any one hydrofoil system mast, a maximum of two hydrofoil system gliders and a maximum of ~~three~~ two wings shall be registered for an event. When a hull, foil system or wing 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 replacing item.
- (b) Not more than one frontwing, one rearwing/stabilizer and one fuselage shall be used in a hydrofoil system glider.
- (c) Not more than one wing shall be registered per size range:
  - Large: Nominal Size of 5.5 m<sup>2</sup> or bigger
  - ~~Medium: Nominal Size of 4.5 m<sup>2</sup> to 6.0 m<sup>2</sup>~~
  - Small: Nominal Size 5.5 m<sup>2</sup> or smaller

#### Option 2

#### C.1.2 LIMITATIONS PER COMPETITOR

- (a) Not more than any one hull, any one hydrofoil system mast, a maximum of two hydrofoil system gliders and a maximum of ~~three~~ two wings shall be registered for an event. When a hull, foil system or wing has been lost or accidentally damaged beyond repair, a

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- replacement may be made, only with the approval of the Technical Committee. The Technical Committee shall then attach an event limitation mark to the replacing item.
- (b) Not more than one frontwing, one rearwing/stabilizer and one fuselage shall be used in a hydrofoil system glider.
  - (c) Not more than one wing shall be registered per size range:
    - Large: Nominal Size of 5.0 m<sup>2</sup> or bigger
    - ~~Medium: Nominal Size of 4.5 m<sup>2</sup> to 6.0 m<sup>2</sup>~~
    - Small: Nominal Size 5.0 m<sup>2</sup> or smaller

### Option 3

#### C.1.2 LIMITATIONS PER COMPETITOR

- (a) Not more than any one hull, any one hydrofoil system mast, a maximum of ~~two~~ **one** hydrofoil system gliders and a maximum of ~~three~~ **two** wings shall be registered for an event. When a hull, foil system or wing 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 replacing item.
- (b) Not more than one frontwing, one rearwing/stabilizer and one fuselage shall be used in a hydrofoil system glider.
- (c) Not more than one wing shall be registered per size range:
  - Large: Nominal Size of 5.5 m<sup>2</sup> or bigger
  - ~~Medium: Nominal Size of 4.5 m<sup>2</sup> to 6.0 m<sup>2</sup>~~
  - Small: Nominal Size 5.5 m<sup>2</sup> or smaller

### Option 4

#### C.1.2 LIMITATIONS PER COMPETITOR

- (a) Not more than any one hull, any one hydrofoil system mast, a maximum of ~~two~~ **one** hydrofoil system gliders and a maximum of ~~three~~ **two** wings shall be registered for an event. When a hull, foil system or wing 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 replacing item.
- (b) Not more than one frontwing, one rearwing/stabilizer and one fuselage shall be used in a hydrofoil system glider.
- (c) Not more than one wing shall be registered per size range:
  - Large: Nominal Size of 5.0 m<sup>2</sup> or bigger
  - ~~Medium: Nominal Size of 4.5 m<sup>2</sup> to 6.0 m<sup>2</sup>~~
  - Small: Nominal Size 5.0 m<sup>2</sup> or smaller

## REASONS

Further equipment limitations and adjustments after one year of use. The ranges for 3 wings do not work for a wide range of body physiques and conditions.

To become Olympic, we need to reduce the amount of equipment as much as possible and increase its range.

The voting should be first about changing the rule itself (i.e. 3 wings vs 2 wings, then separately about the breakpoint. Similar for the glider question.

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## Amendment Four

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### C.1.2 LIMITATIONS PER COMPETITOR

#### Amend to add Option 1:

##### C.1.2 LIMITATIONS PER COMPETITOR

(d) Not more than one frontwing of the hydrofoil system shall be registered per size range:

Large: Nominal size of 800 cm<sup>2</sup> or bigger

Small: Nominal size of 800 cm<sup>2</sup> or smaller

#### Amend to add Option 2:

##### C.1.2 LIMITATIONS PER COMPETITOR

(d) Not more than one frontwing of the hydrofoil system shall be registered per size range:

Large: Nominal size of 700 cm<sup>2</sup> or bigger

Small: Nominal size of 700 cm<sup>2</sup> or smaller

### REASONS

Only if the previous submission with option for 2 glider/frontwings is approved. Require competitors to register frontwings in different size ranges to facilitate racing in lower wind speeds

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## Amendment Five

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### C.2.3 AGE DIVISIONS

#### Old:

#### C.2.3 AGE DIVISIONS

- (a) OPEN – Men and Women of any age
- (b) YOUTH (U19) - Boys and Girls under the age of 19 years on 31 December of the year of the event.
- (c) MASTERS (35+) – Men and Women above the age of 34 years on 1 January of the year of the event.
- (d) GRAND MASTERS (45+) – Men and Women above the age of 44 years on 1 January of the year of the event.

#### Amend to read:

#### C.2.3 AGE DIVISIONS

- (a) OPEN – Men and Women of any age
- (b) CADET (U15) - Boys and Girls under the age of 15 years on 31 December of the year of the event.
- (c) JUNIOR (U17) - Boys and Girls under the age of 17 years on 31 December of the year of the event.
- (d) YOUTH (U19) - Boys and Girls under the age of 19 years on 31 December of the year of the event.
- (e) ESPOIR (U21) - Men and Women under the age of 21 years on 31 December of the year of the event.
- (f) MASTERS (35+) – Men and Women above the age of 34 years on 1 January of the year of the event.
- (g) GRAND MASTERS (50+) – Men and Women above the age of 49 years on 1 January of the year of the event.

### REASONS

Add age categories in line with the most common MNA procedures.

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## Amendment Six

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### C.3.3 PERSONAL EQUIPMENT

#### Amend to add:

C.3.3(g) A harness which shall have positive buoyancy in fresh water.

#### REASONS

The new Equipment Rules of Sailing and Racing Rules of Sailing define the harness as separate item from personal equipment.

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## Amendment Seven

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### G.3.2 WING

Amend to add:

#### Option 1

G.3.2.i) The wing shall be of the “single skin” variety (the canopy extends only from one side of the leading edge)

#### Option 2

G.3.2.i) If the wing is of the “double skin” variety, the double skin shall not extend to more than 30% of the chord.

#### Option 3

G.3.2.i) If the wing is of the “double skin” variety, the double skin shall not extend to more than 50% of the chord.

#### Option 4

G.3.2.i) double skin wings are permitted.

### REASONS

To keep wings as close as possible to the equipment that normal riders are using, consider limitation of double skin constructions.



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## Amendment Eight

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### G.3.2 WING

#### Amend to add Option 1:

G.3.2(h) The minimum total size of the windows shall be 300 cm<sup>2</sup> per side.

#### Amend to add Option 2:

G.3.2(h) The minimum total size of the windows shall be 400 cm<sup>2</sup> per side.

#### Amend to add Option 3:

G.3.2(h) The minimum total size of the windows shall be 500 cm<sup>2</sup> per side.

#### Amend to add Option 4:

G.3.2(h) The minimum total size of the windows shall be 600 cm<sup>2</sup> per side.

#### Amend to add Option 5:

G.3.2(h) The minimum total size of the windows shall be 700 cm<sup>2</sup> per side.

#### Amend to add Option 6:

G.3.2(h) The minimum total size of the windows shall be 800 cm<sup>2</sup> per side.

### REASONS

There have been significant accidents between wingfoil boards racing because the competitors were not able to see other competitors to leeward. This is an urgent safety issue.

The size requirement is a first step towards defining useful sizes and positions of windows.