



Summary of the changes to the ORC Rules and Regulations as approved at the **ORC Annual General Meeting** held on 6 November 2022 in Montecatini, Italy

## VPP – Velocity Prediction Program

- **Hydrodynamics**
  - The new residuary resistance model is implemented as a combination of the 2022 formulation and the new model based on the neural network force model.
  - Foiling and semi-foiling force models are now completely incorporated into the VPP calculations.
- **Aerodynamics**
  - There is an updated de-powering scheme with removal of default righting moment.
  - Sail coefficients are updated for headsails set flying.

## IMS – International Measurement System

- The description of the official measurer is clarified in **Rule A7.3** following the ERS definition.
- The definition of “permanently fixed” for internal ballast is clarified in **Rule B4.1(a)**.
- The LOA definition is clarified in **Rule B6.2**.
- A new definition of the codes defining appendages in full extended and fully retracted positions is included in **Rule C1**.
- CBDA measurement defining the vertical movement of the center of gravity of the centerboard or drop keel is added in **Rule C2.2**.
- Heeling angles required for inclining tests are simplified requiring the angle (on one side) of 2 – 4 degrees for boats with LOA < 24.0 m and 1 – 4 degrees for boats with LOA ≥ 24.0 m in **Rule E2.8**.
- The possibility to measure rotating masts on monohulls is added in **Rule F1.1**.
- The sail measurement stamp is updated to include the ORC logo in **Rule G8.1**.
- The possibility to accept World Sailing In-House Certification of sails is added in **Rule G8.2**.

## ORC Rating Systems

- Default righting moment is removed from **Rule 107.4** and is replaced with an estimated righting moment that is used where righting moment is not measured or is obtained from another source.
- Increase of the mainsail rated area when there is a rotating mast is defined in new **Rule 109.4**.
- CDL limits in **Rule 206.1** are updated following VPP updates for 2023.
- Maximum number of mainsails allowed aboard while racing is increased from 1 to 2 in **Rule 206.1**.

- Maximum number of spinnakers allowed aboard for boats with CDL of 9.861 – 11.961 is increased from 4 to 5 in **Rule 206.1**.
- New **Rule 301.6** clarifies that a boat shall be scored according to her own valid certificate.

## **ORC Sportboat Class Rules**

- CEXT factor for boats that do not comply with OSR 3.14 and have no trapezes is changed from 0.5 to 0.25.

## **Green Book**

- Requirement for providing a dedicated mooring place with water and electricity for each entry, except when boats are moored on buoys, is added in **Championship Rule 3.1(c)**.
- Medals to be awarded to each crew member in the top three places in overall results in each class are added in **Championship Rule 4.12**.
- New CDL limits for Class definitions in ORC Championships based on the 2023 VPP are as follows:
  - Class A:  $16.400 \geq \text{CDL} > 11.690$
  - Class B:  $11.690 \geq \text{CDL} > 9.860$
  - Class C:  $9.860 \geq \text{CDL} > 8.320$
- The Standard Notice of Race and Standard Sailing Instructions are updated with usual housekeeping changes based on experience from 2022 championship events.