

2024 Olympic Sailing Competition

Olympic Equipment

A submission from the International Europe Class Union

Purpose or Objective

To finalize the equipment for the 2024 Olympic Games.

Proposal

Current Event & Equipment	2024 Events – May 2018	2024 Equipment Proposal
Men's Windsurfer – RS:X *	Retained	Retain
Women's Windsurfer – RS:X *	Retained	Retain
Heavyweight Men's One Person Dinghy – Finn	New Event - Mixed One-Person Dinghy	Select New Equipment
Men's Two Person Dinghy – 470	New Event - Mixed Two Person Dinghy	Select New Equipment
Women's Two Person Dinghy – 470	New Event Mixed Kite	Select New Equipment

** Note the equipment for this event is under Olympic Equipment Re-evaluation if retained.*

Equipment Criteria for Mixed One-Person Dinghy:

Boat concept: Displacement (Non-Foiling) and hiking

Same hull for Men and Women with different rig concept: No

Single mast and sail: Yes

Sail size for Men: Criteria to be approved by Council through other submissions

Sail size for Women: 7 m²

Suitable wind range for competition: 4 to 35 knots and different sea state (flat, choppy, swell, ...)

Athlete weight range for men: Criteria to be approved by Council through other submissions. Preferably a weight range different from the one provided by the men one person dinghy event.

Athlete weight range for Women: 50 – 75 kg

Builder / Class structure: Measurement controlled Monotype, and:

- Possibility for identical supplied hulls at Olympic Games.
- Possibility for multiple licensed builders.
- Equipment available worldwide without restrictions.
- The selected class should be run by a well-established worldwide class authority with well-developed class rules following the ERS and SCR format.

Format proposal: Various options, including:

- Duomix (results are based on a mixed format of relay and team cumulated time), evolving qualification system with selection, second chance to qualify, and elimination. Winner takes all final. Lower pumping limit according to Class Rules, variable courses to adapt and make the most of sailing conditions and course area.
- Or format detailed in a separate submission but not binding to the present submission
- Or Format criteria to be approved by Council through other submissions

Other Equipment considerations:

- GRP hull
- No trapeze
- The equipment shall enable free kinetics.
- The equipment shall be seaworthy and capable of handling extreme wind and sea conditions.
- The equipment should have a long lifespan and high resale value for a high sustainability level.

Equipment Criteria for Mixed Two Person Dinghy:

Criteria to be approved by Council through other submissions

Equipment Criteria for Mixed Kite:

Criteria to be approved by Council through other submissions

Current Position

As above.

Reasons

Mixed One Person Dinghy

1. Suitability for women athletes ranging from 50 to 75 kg.
The chosen Women's equipment shall be suitable for athletes ranging from 50 to 75 kg.

At the 2017 November Conference Council set some key criteria to define the 2024 Events and Equipment. One of the five criteria was to "Ensure that men and women of different physiques have an opportunity to compete"

The chosen Equipment shall ensure that women from different physiques can compete in equal conditions with the same material, and not being limited by the weight for being competitive. An equipment that allows the widest range of weight should be chosen. Sailors can therefore maintain their body type for a number of years and are not forced to leave sailing when their weight is not exactly within the range of that equipment. The narrower the range is, the less sailors fit on it.

The equipment shall be one design and meets strict class rules refined over the years to ensure the evenness of competition. However, slight changes in masts and sails within the allowed tolerances should allow sailors from a very large wide weight range (wider

than other current Olympic classes) to be able to find equipment that allows them to be competitive without needing “the optimal body type” that exists in many classes. The result should be an equipment/class where all sailors have a chance, not only the sailors of a very narrow “one design weight”.

2. Availability and reliance on builders and market

The builders shall be independent to the chosen class. They should have proven their technical and professional capacity by staying in the market over the years. They should be able to adjust to the market demand. Equipment builders should demonstrated expertise and experience by supplying quality products to the fleet.

3. Reliable and sustainable equipment

The chosen equipment should demonstrate reliability with quality control, performance and longevity in order to reduce costs. Hull should last at least a four years campaign and masts at least 10 years while remaining performant with a proven longevity. Hull and masts should keep a high resale value to encourage a strong second hand market and class growth.

The chosen equipment should prove seaworthiness with high buoyancy level and capability to handle various wind and sea conditions in order to maximise safety while allowing spectacular racing in great sailing conditions.
