

# 2024

## MEN AND WOMEN WINDSURFER EQUIPMENT SELECTION

The logo for iFOiL is centered within a large, dark grey circle. The text 'iFOiL' is rendered in a bold, sans-serif font. The lowercase 'i' is a vibrant red, while the 'F', 'O', and 'L' are a light grey. The lowercase 'i' is positioned to the left of the 'F', and the lowercase 'i' is positioned to the left of the 'L'.

**iFOiL**

26 July 2019

# iFOIL



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## 1 Introduction of the tender

Our tender for a new Olympic class, the iFoil, aligns itself with the mission of the Olympic Movement by offering the most inspiring and exciting modern evolution in sailing, namely foiling, in the most affordable sailing class package with the widest wind range. In higher winds and rough chop, racers may switch from foil to fin and keep racing safely. The one board, one rig, one foil with 2 fuselages to extend the wind range on Foil and one fin option delivers safe and affordable racing in a 6-35 knots wind range, while the 95 cm wide board fits airport scanners worldwide. The sensation of foiling is reigniting the sport of windsurfing and bringing an inspirational force to the industry, community and in particular for youth sailors.

New, exciting racing formats that maximize what foiling has to offer is at the heart of iFoil.

To address monopoly and anti-trust issues, the iFoil, as a multi-manufacturer One Design class, offers an elegant solution.

Starboard is leading the windsurfing industry in reducing plastic waste, reducing carbon footprint, promoting and investing in sustainability. Starboard has a dedicated environmental department publishing environmental reports online. Starboard's environmental program results in Starboard turning climate positive, planting one mangrove per board sold and sequestering 10x more CO<sub>2</sub> than Starboard emits. Starboard also retrieves 1.4 kg of ocean-bound plastic per board sold, from the coast of Thailand. Starboard is a partner with the UN Technology Innovation Lab.

We are proud to play a part in the mission of achieving a sustainable future, to be part of the foil evolution of sailing and with iFoil, we submit what we believe is the tender for an Olympic Class that will be an inspirational force for Youth, promote excellence, promote sustainability, in the most affordable package while sharing these goals with respect and friendship.

## 2 Class Association

The iFoil Class is supported by the Formula Windsurfing Class and the International Funboard Windsurfing Class Association.

Should iFoil be selected, the iFoil would become a division of that class and will be administered by that class, until such time that it is required to split and form its own Class Association if need be. Accordingly, the iFoil would be allocated two World Titles if selected as the Olympic Class for 2024.

The iFoil will use the FWC Class Rules, and the RRS as amended by an addendum which will limit the use of the iFoil Package only, for racing in the iFoil Divisions.

## 3 Equipment control

### Description on how eligible equipment is limited, inspected and controlled

The iFoil is proposed as a One design – multiple licensed Brands.

Regatta equipment inspection is a simple process, every board, sail, foil and mast has a iFoil barcode and serial number. Every piece of equipment that leaves the factory has QC certificate of class legal compliance. At events, the equipment is inspected and stickered/stamped in the same way as the current RS:X class is at events.

It's the sailors responsibility to ensure regatta registration is complete with board serial numbers recorded and that the equipment is unchanged from factory delivery. Eventually a regatta app will be developed whereby a scan of each of the barcodes registers the competitors equipment against their profile. Obviously in initial stages these details will need to be registered manually.

A Regatta measurer will be on site to spot check equipment for any modification or changes during an event.

### Permitted number of main equipment items per sailor at an event

At an event a sailor will register: One Board, one Foil, one Sail, one Mast and one Boom.

Sailors are permitted to use one of each component of the iFoil at an event. This means one Board, Sail, Mast, Boom, Fin, Foil (one mast, two fuselages, one front and rear wings) Extension, and Base.

## 4 Formats and events

### Racing Format

The Racing format consists of five different racing sub-formats. This concept is intended to be very malleable. Not every sub-format needs to be completed to constitute a regatta – but instead the format offers options for fair, challenging and attractive racing irrespective of what the weather produces.

In an ideal five-day Championship with favorable circumstances/conditions, the format is based around a maximum 25-race series. Each sub-format carries the same weighting, with the exception of the Marathon which is double weighted. The five racing sub-formats are: Course racing ; Marathon; Point to Point; Sprint Slalom and GPS Speed. They are described in detail further below.

This format is pitched at fleet sizes comparable to World Cup and Olympic Games Regattas. The versatility of the format means that other regattas, ones below elite level and all the way down to club level regattas, can pick and choose the disciplines as circumstances allow (whether that be conditions, staffing or sailor ability).

Sub-formats can be removed, or some may be combined. Objective guidelines should be in place for an optimal and fair selection of sub-formats at a regatta, depending the conditions (wind, waves, etc.).



## **Classic**

The Classic racing sub-format is the current trapezoid or windward/leeward racing format. Under the iFoil concept, Classic races have a target time of 15 minutes to enable a greater number of races to be completed per day, up to a maximum of five. This classic component is a nod to tradition and yachting as we know it.

## **Marathon**

The Marathon distance style races are long races up to 3 hours. The race starts in a given location, makes its way around given geographical features and out to particular well-known landmarks before returning to the original starting point.

Some such landmarks could be for example Statue of Liberty, New York; the Sydney Harbour Bridge and Opera House, Sydney; the Burj Al Arab and the World, Dubai; the Golden Gate Bridge and Alcatraz, San Francisco; the Chateau D'If, Marseilles; the island of Venice; inner harbour Hong Kong; Downtown Miami, Rangitoto Island, Auckland etc.

The Marathon sub-format incorporates some elements usually limited to offshore racing, but more importantly shows off our wonderful sport in fantastic venues. Inspired by the gripping images shown during cycling's Tour de France, the media images generated from this style of racing are of immense benefit to both the sport and the regions which hold its events.

## **Point to Point**

Point to Point consists of two separate medium length races (about 30 to 50 minutes each). This constitutes of first, an upwind race, out to a finish line some distance away. Then a following a rest period, the next race is the downwind return (or vice versa). The races are to be scored separately. This sub-format is easy to follow and rewards the more specific aspects of sailing on and off the wind. Much like the Marathon, this can also make use of the often beautiful surroundings found at regatta venues, and is very media/spectator friendly.

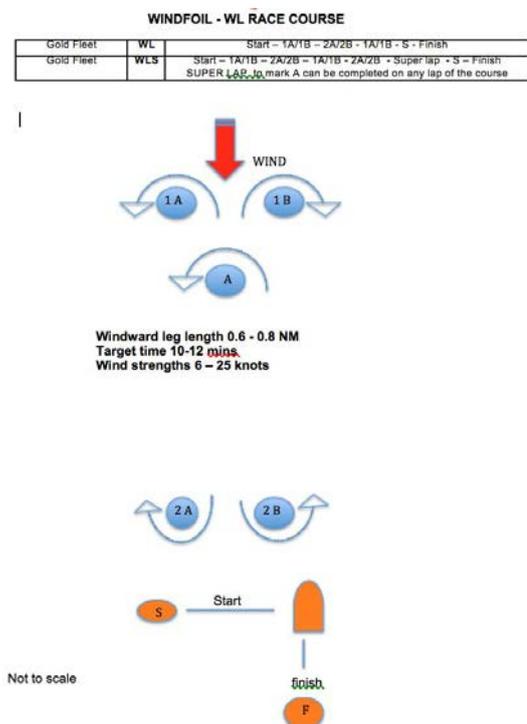
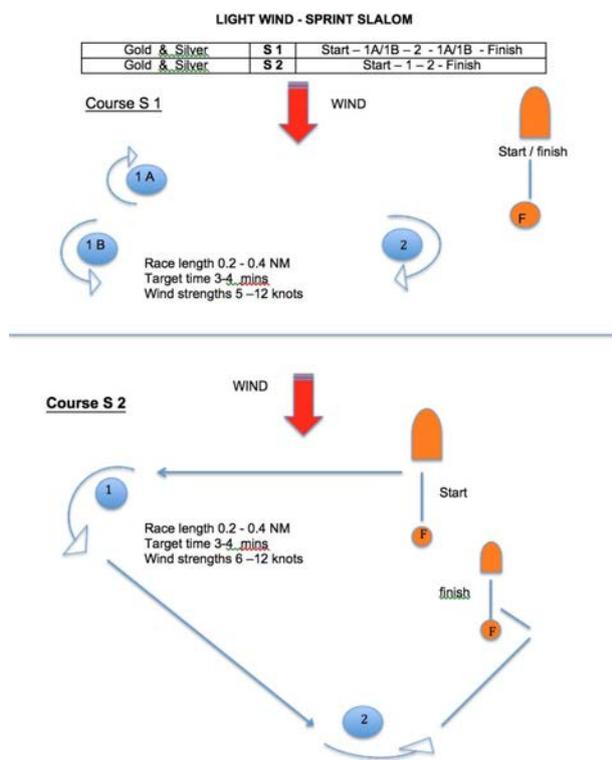
## Sprint Slalom

Slalom Sprint races are short slalom style races with between one to three gybes. The aim is for races to last around three minutes. High visual impact and high stakes, it is exciting to watch and easy to follow, it rewards perfect sailing and punishes small mistakes. In larger fleets, Sprint can be broken down into fleets for safety.

## GPS Speed

This sub-format aims to incorporate the technology that we now use out sailing every day (GPS devices), and what is a popular comparison tool between weekend sailors and professionals alike. During a half hour window, competitors have as many opportunities as to wish to attempt to record the fastest time over 500 metres.

## Courses



## Suitable wind ranges and sea states

The complete iFoil racing package has been designed to deliver racing in winds from 5-35 knots. The format guidelines take into account weather conditions, sailor ability and body weight, while the iFoil equipment has been selected for racing all formats. The combination of those two factors in the table below allows us to define the best format of racing for the day's conditions.

Race format	# of races	Wind range	Target race times	Equipment	Sea state
Course Racing	10	7- 30 knots	12- 14 mins	iFoil	Flat to moderate
Slalom Sprints	5	5- 10 knots	3- 4 minutes	iFoil	Flat to moderate
Marathon	1	7-20 knots	2- 3 hours	iFoil	All
Point to Point	2	6- 20 knots	30 - 40 mins	iFoil	All
GPS Speed	2 per day	5 - 30 knots	2 hour window	iFoil	Flat water

## Regatta and Event Scoring

After significant testing we have refined a scoring system which we have determined as the most fair, and have devised the optimum regatta schedule to best carry out the format proposal. They are as follows:

- 5 days for World Championship;
- 5 days for European Championships;
- 4 days for World Series Events;
- 3 days for National Championships;
- 2 days for Special Events.

Event Scoring Breakdown			
	Max # of Races	Points per race	Max Fleet size
Course Racing	12	X 1	64 per race
Sprint Slalom	6	X 1	16 per heat
Point to Point	2	X 1	64 per race
Marathon	1	X 2	128 per race
GPS Speed	4 = (top 10 second average speed)	X 1	32 per 30min window



A few points to note on scoring:

- A total of 25 races could be raced in a full perfect wind regatta.
- 4 races may be discarded in a full 25 race series. The maximum number of discardable races per sub-format is as follows:
  - 2 from Course Racing;
  - 2 from Slalom;
  - 1 from Point to Point;
  - 2 from GPS speed; and
  - Half of the marathon result.
- The following discards will apply in a reduced series:
  - 3 in 21 race series
  - 2 in 14 race series
  - 1 in 7 race series

## **5 Manufacturers and availability**

### **Description of current market situation**

World Sailing Olympic Equipment Strategy compliance information, proposed licensing terms: licence fee is 7% of manufacturing price, ex factory. 25 Euro per board in mold amortization. Current market situation: the equipment or equipment near-identical to the Starboard iFoil is currently manufactured by the licensed builders listed below. The equipment is distributed worldwide to the market through Starboard's sales network of 75 distribution partners, to the end-user and windsurfing associations directly from the distributor or via retail shops. Starboard iFoil proposes to be either a multi-manufacturer One Design class. In the case of One Design, third-party brands may distribute iFoil equipment under their own branding at a cost (the royalty fee specified above) after achieving certain production standards..

### **List of all existing manufacturers and Maximum Delivery Capacity**

The current list of approved builders is:

- Board and fin: Cobra, Thailand [400 per month].
- Sails: IK, China [400 per month].
- Masts: Italica, Italy [400 per month].
- Foils: Sonic, China [400 per month].
- Booms: Italica, China [400 per month].
- Extensions, mast base and Alu Race Boom 190-240: Technical Devotion, China [400 per month].

## Warranty Policies and Claim Form

Please see Appendix A for an example of warranty policies and claim forms.

## Availability Table

Group	Region	Equipment already available for purchase in region	Average delivery waiting time	Estimated current users (boards)	Estimated current users (sails)
Group A:	Ireland / United Kingdom	Yes	120 days	12	
Group B:	Central Europe	Yes	120 days	63	
Group C:	East Europe	Yes	120 days	1	
Group D:	South Europe	Yes	120 days	50	
Group E:	Iberian Peninsula	Yes	120 days	0	
Group F:	Low Countries	Yes	120 days	9	
Group G:	North Europe	Yes	120 days	16	
Group H:	Euro-Asian	Yes	120 days	0	
Group I:	Middle East and West Asia	Yes	120 days	2	
Group J:	East Asia	Yes	120 days	44	
Group K:	South and Central Asia	Yes	120 days	1	
Group L:	South West Pacific	Yes	120 days	19	
Group M:	South & West South America	Yes	120 days	2	
Group N:	Central & South America	Yes	120 days	5	
Group O:	North South America, Central America and Caribbean	Yes	120 days	0	
Group P:	North America	Yes	120 days	36	
Group Q:	Africa	Yes	120 days	0	
	<b>TOTAL</b>			260	

## Pricelist Table

Please find our basic price table below for the key components. As more comprehensive breakdown is available upon request (as per our first Tender document submitted in May 2019).

Product name / specification	Retail prices ex VAT
Hyperglide 2 8.0	€1,099
Hyperglide 2 9.0	€1,149
Starboard Race Carbon	€2,349
WF1 OD Board***	€3,399
Severne Enigma 190/240	€1,328
Severne Apex 530	€777
Severne Apex 490	€646
Severne extension	€109
Severne Base	€69
Total Package (men)	€9,264
Total Package (women)	€9,180
	<b>Retail Package Prices</b>
<b>Discounted price if purchased as package including travel bags (Men)</b>	<b>€6,599</b>
<b>Discounted price if purchased as package including travel bags (Women)</b>	<b>€6,499</b>

+ 2% year on year increase from Factory  
+ Annual currency fluctuation adjustment

## 6 Sustainability

Please see **Appendix B** for our sustainability policies.

## 7 Other considerations

### Youth Pathway

In considering the selection of new Olympic equipment it is crucially important to consider the pathway to get there, and to ensure that there is an existing infrastructure to feed through that pathway.

#### Junior Sailing

The Bic Techno is arguably the most successful junior sailing class in the world. Last year alone, over 400 junior sailors competed at the Bic Techno World Championships. The Techno caters for and is accessible to junior sailors as young as 8 years old, and allows them to compete right up until they are 17 years old. While its not very high performance, this is a very strong and important springboard which absolutely must remain. The equipment is affordable, durable, easy to use, and provides children with the necessary fundamental windsurfing skills which they require to progress through the ranks to Youth and beyond. Most junior sailors move off the Techno early (depending on size and ability), and graduate to the Youth Class (currently the RS:X W package) at around 14 to 15 years old. Under this tender for new Olympic equipment, it is strongly recommended that Techno continues to be fully supported, as it is an excellent junior board. The Bic Techno should be seen as comparable to the Optimist, in dinghy terms.

#### Youth Sailing

In selecting Olympic equipment in line with this tender, it important that a comparable foiling youth class is chosen as well. Excellent foiling/convertible equipment suitable for youth sailing is already available on the market. The parameters for this equipment should be, broadly speaking: a similar board to the Olympic equipment but in more durable construction; the sail for boys and girls should be the 8.0 m<sup>2</sup> from the Olympic package with the accompanying mast; the boom and foil mast should be made from aluminium; and above all it should be very affordable. Starboard currently produces equipment to these specifications and it is available through its worldwide distribution network. The equipment is lower spec' than the proposed high performance Olympic equipment, meaning with will be safe for children to learn to race on, more affordable and more durable. The speeds will be lower, limited by slower foil designs and made from aluminium construction. The Youth class should be seen as comparable to the 29er, or 420.



## **Emerging nations support**

The Starboard HQ and R&D facilities are based in the emerging sailing nation of Thailand, and thus we are acutely aware of the challenges ahead for the introduction of new Olympic windsurfing gear. In order to tackle those challenges we are committed to implementing policies which will minimise those:

### **Support 1:**

Facilitation of online foil training programs created with professionals and world champions in the discipline, while also sourcing affordable high quality coaches to assist teams in the transition to high level foiling techniques.

### **Support 2:**

While regular nations purchase the complete iFoil package at direct, cost-effective prices and subsequently parts at full retail prices, emerging nations can purchase both the complete packages and the subsequent parts at the lower direct price. The combination of these two initiatives represents a quick step into foiling and at a lower cost, inviting more people to get into Olympic windsurfing.

### **Letters of support**

Please see **Appendix C** for letter of support from the Formula Windsurfing Class / International Funboard Class Association.

## **8 Identification**

Please see **Appendix D**.

# iFOIL

