

# RS:X Olympic Windsurfing



ISAF 2015 Annual Conference Sanya

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## Evolution Of Olympic Equipment

The committee discussed the Evolution of Olympic Equipment and it was noted that as we move closer to the Olympic Sailing Competition the evolution of Olympic equipment should reduce so the athletes can prepare. The response from Olympic Classes was that there was in general little evolution or changes planned prior to 2016.

Dina Kowalyshyn suggested that future developments within the Olympic Classes should focus on performance, longevity and equipment control. These points were discussed by the committee who were in agreement that these were key areas of interest to the Equipment Committee.

On a proposal from Barry Johnson, seconded by Cédric Fraboulet, the Committee requested that the Secretariat Staff write to all Olympic Classes requesting information on any proposed equipment evolution or development plans up to the 2020 Olympic Sailing Competition.

## RS:X Facts

### **Performance :**

- wind range from 3 to 30 knots
- top speed of 30 knots
- equipment can be used with any race course format
- it foils on its fin in 10 knots of wind

### **Longevity :**

- first generation boards are still racing in youth championships
- masts and booms resist to huge equipment stresses
- sails performs without any major breakage issues despite multiple and violent downhaul/ outhaul trimming changes during races and training

### **Equipment control :**

- 1 RS:X Class audit per year
- 1 ISAF audit prior to the Games
- 1 RS:X athlete and coach audit per year (starting this year)

## Smart Evolution

We don't need to evolve radically, we are already the fastest and spectacular class. Our Evolution plan is to upgrade the consistency and durability with a new fresh and attractive designs.

Strong class growth, premium services and smart equipment evolution for 2024 and beyond Olympic Games.

## New Graphics

- new 8.5 and 9.5 sails graphics with reinforced areas
- new board graphics, unchanged specifications
- new RS:X logo
- introduction on 1<sup>st</sup> September 2016





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## Carbon HP- RTM fins

- new lay up which will increase by 50% the durability
- new HP-RTM technology to increase by 50% the performance consistency
- one shot base/ blade
- same outline, same flex and twist performance as current fins
- introduction on 1<sup>st</sup> September 2016





## Digital Flex/ Twist Test

- generate any kind of pressure on a specific fin location
- detect any flex/ twist variance between fins (up to 1 tenth of millimeter)
- insure high level of performance consistency



## Square racing boom tail

- increased angle allowing the sail to deliver more performances
- increased angle to reduce the friction of the sails on the boom for a better durability
- full carbon high end construction for consistent performances
- Introduction on 1<sup>st</sup> September 2016



## Bullet proof battens

- new battens number 5 for 8.5 and 9.5 sails
- heavy-duty two piece tube/rod battens
- reinforced critical areas
- introduction on 1<sup>st</sup> September 2016



## **Growth Analysis**

### **RS:X Europeans**

- entries : +13% (2013-2015)
- countries : +33% (2013-2015)
- women Vs men : 40% (2015)
- girls Vs boys : 30% (2015)
- youths Vs seniors : 42% (2014)

### **RS:X Youth Worlds**

- entries : +11% (2013-2015)
- countries : +65% (2013-2015)
- girls Vs boys : 30% (2015)



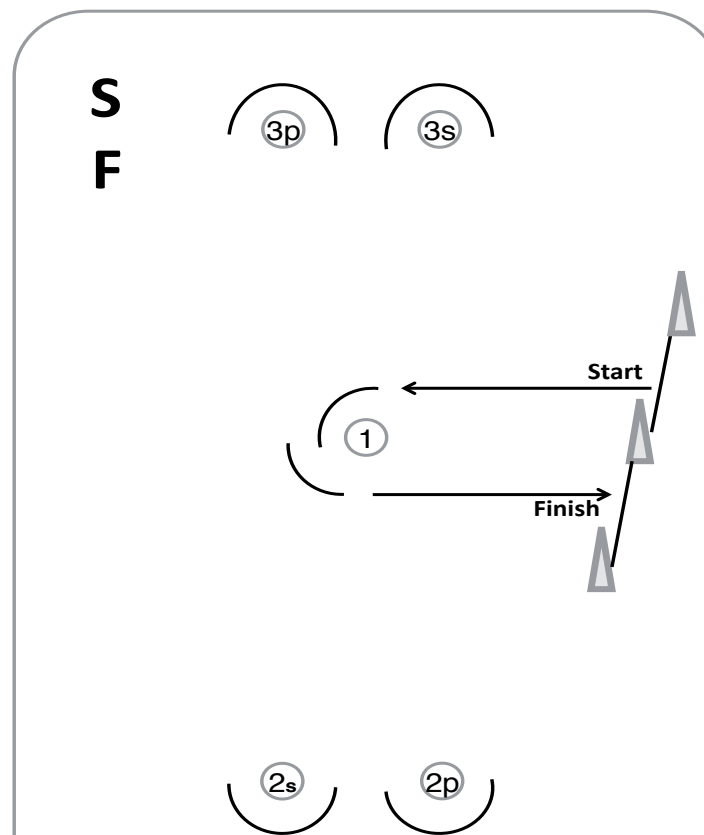
## Post Rio Actions to be implemented and/ or supported

Objectives	Actions
Increase Girls participation	Girls academies, increase women's exposure
Increase Youth participation	New race formats, modern Sailing inspired
Increase number of participating countries	Scholarship youth program
Maintain a stable number of Seniors	Establishment of premium international event standards, with professional management, media coverage and prize money

## Women's exposure



### Possible medal race course (planning conditions only)



Signal	Mark Rounding Order
SF 1 over Green	Start - 1 - 2s/2p - 3s/3p - 1 - Finish
SF 2 over Green	Start - 1 - 2s/2p - 3s/3p - 2s/2p - 3s/3p - 1 - Finish
SF 3 over Green	Start - 1 - 2s/2p - 3s/3p - 2s/2p - 3s/3p - 2s/2p - 3s/3p - 1 - Finish



# Scholar ship youth program



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VOLVO  
**GDYNIA**  
sailing days  
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## Premium events standards





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## 2016 Olympic Key dates

- boards production : Jan/Feb/March
- sails production : January
- equipment audit in factories : April
- equipment allocation in Rio : July 25th
- equipment Inspection : August 6th





<h2>COLOR REFERENCES</h2> <div>   </div> <div> <p>Rio 2016 graphics Polychrome</p> <p>Rio 2016 graphics Polychrome</p> </div>	
 <p><b>Rio2016™</b></p> <p><small>Copyright © 2016 Rio 2016 Organizing Committee. Rio 2016, Rio 2016 Organizing Committee for the Olympic Games and Paralympic Games, Rio 2016 Organizing Committee, 2016, is a trademark. Rio 2016 is a service. RI, Brazil (2016-22)</small></p> <p><small>© 2016 IOC</small></p>	<p>SPORT</p> <p><b>SAILING</b></p>
	<p>SUPPLIER</p> <p><b>NEIL PRYDE</b></p>
	<p>EQUIPMENT</p> <p><b>WINDSURF SAIL</b></p>
	<p>APPROVED</p> <p>YES <input type="checkbox"/> NO <input type="checkbox"/> DATE <u>    </u>/<u>    </u>/<u>    </u></p>
<p>SPORT MANAGER/IF SIGNATURE</p>	







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Thank you

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