

**ORCsy Superyacht Rating Rule
2018 VPP and Rule Update**

The 2018 ORC Superyacht Rule (ORCsy) was finalized and posted late last week (pdf is attached here). Input from superyacht clients and the SYRA, coupled with observations from the 2017 racing season, resulted in minor amendments and improvements to the 2018 version of the Velocity Prediction Program (VPP).

They include:

- **PIPA - New formulation for 3 and 4 blades feathering propellers.** The coding of the new treatment of the 3 and 4 blades feathering propellers with the help of a CFD made by Briand office (checked using Hoerner formulation) has been completed
- **Dynamic Allowance** - The amount of max Dynamic Allowance was reduced at 8% (from 10%) revising also its composition, giving more power at SA/DSPL and LVR terms reducing the effect for the high displacement boats
- **Tacking Allowance** - Max Tacking Allowance was increased to 3% from 2%, keeping the same formulation
- **Lifting Centerboards** - The slot resistance has been removed for vertical centerboard as there is no slot in these fins
- **Mizzen staysails** - The rated area of mizzen staysail has been reduced to the 70% of measured area
- **Headsail number allowance** -The allowance has been increased by 0.5% for the presence of a furler
- **Power function** - This function that measures the efficiency of the spinnaker according to bowsprit length, has been increase of about 8% following ORC INT modification
- **ORC International 2018 modifications** have been included: windage drag (hull+crew) increased, hydro induced drag increased (with different keel and rudder load sharing), crew weight transversal shift
- **Stanchions** - No light stanchion gyradius correction (useless in SY)
- **Runners** - No windage for runners
- **Headsail set flying** - Detuning of lift coefficients at low wind angles (20-25 degrees)
- **Gaff windage** - Slightly reduced
- **Lenticular rig** - Slightly increased windage
- **Declared certificates penalty** - A penalty of 1% on all allowances has been introduced for DECLARED certificates, replacing the previous increase of 5% for Righting Moment

Additionally, the wind ranges for scoring purposes have been altered slightly so that the 'Light Wind Range' tops out at 8kts rather than 9kts.

The 2018 ORCsy Rule will debut at the 2018 Superyacht Challenge Antigua (2-4 February). Regatta results will be posted on the SYRA website: <https://superyra.org/regatta-results/>

For more information on ORC and its rules, visit: www.orc.org.

The SYRA's collaborative efforts and contributions will continue to support the ongoing review and fine-tuning of this successful initiative. As always, we welcome your feedback and ideas.