

Summary of the changes to the ORC Rules and Regulations as approved at the ORC Annual General Meeting held in Sanya, China on 11 November 2015

VPP – Velocity Prediction Program

- **Hydrodynamics**
 - Revised treatment of added resistance in waves
 - Removal of gyradius correction for boats built between 1989 and 1992
- **Aerodynamics**
 - New treatment of fractional mainsail
 - New set of downwind coefficients
 - New set of coefficients for Dacron sails
 - Revised depowering scheme for jibs
- **Default Crew weight** used in VPP calculations is now limited to 50% of DSPM.
- **New default PIPA calculation** for ORC Club where only PRD is measured.
- New matrix for the **Ocean for PCS** and **Offshore Performance Line** PLT and PLD calculations is defined following the same wind distribution of the current OSN:

KTS	6	8	10	12	14	16	20
Beat VMG	0.45	0.4	0.35	0.3	0.25	0.2	0.1
60	0	0.05	0.1	0.15	0.175	0.2	0.25
90	0	0.05	0.075	0.1	0.125	0.15	0.2
120	0	0.05	0.1	0.15	0.175	0.2	0.25
150	0	0.05	0.1	0.15	0.15	0.15	0.1
Dwn VMG	0.55	0.4	0.275	0.15	0.125	0.1	0.1

From the matrix above Performance Line is defined as a straight line intercepting the performance points at 8 and 16 knots.

IMS – International Measurement System

- **Rule B1.1** is modified to better address the boats with the recess in the area where appendages connect to the hull (such as canting keel) and keep them still within the monohull definition.
- New **Rule B4.1(s)** defines that bilgeboards shall be fully raised while in measurement trim.
- New **Rule C4.10** clarifies that bilgeboard measurements can be used for double keels without a bulb and together with appropriate bulb measurements for double keels with bulbs.
- **Rules E2.2(b) and E2.7(b)** are modified to clarify the procedure for an inclining test with the boom.



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- **Rules F8.1(a), F8.1(b) and F8.2** are modified to follow ESR definitions of standing rigging and running rigging.
- **Rule F9.5** is modified to clarify that a backstay that enters the mast below the upper limit mark but is attached in the internal structure above the upper limit mark shall not be counted as a “runner”.
- The last sentence of **Rule G2.1** as introduced in 2015 is deleted as obsolete with ERS H5.2.
- Sail measurement abbreviations are changed in **Rules G2.1, G3, G4.1, G4.2, G4.3, G6.4 and G6.5** as a step towards UMS and establishing a common platform for sails measurement, for the initial stages limited to IRC+ORC, but intended to expand to whichever OD Class or other system is intending to use the data. New abbreviations are also listed as reference at the end of the Index:

	Dimension	Old Abbreviation	New Abbreviation
Mainsail	Mainsail Quarter Width	MGL	MQW
	Mainsail Half Width	MGM	MHW
	Mainsail Three Quarter Width	MGU	MTW
	Mainsail Upper Width	MGT	MUW
	Mainsail Top Width	HB	MHB
Headsail	Headsail Luff Length	JL	HLU
	Headsail Quarter Width	JGL	HQW
	Headsail Half Width	JGM	HHW
	Headsail Three Quarter Width	JGU	HTW
	Headsail Upper Width	JGT	HUW
	Headsail Top Width	JH	HHB
	Headsail Luff Perpendicular	LPG	HLP
Spinnaker	Spinnaker Luff Length	SL (SLU)	SLU
	Spinnaker Leech Length	SL (SLE)	SLE
	Spinnaker Foot Length	SF (ASF)	SFL
	Spinnaker Half Width	SMG (AMG)	SHW
Mizzen	Mizzen Quarter Width	MGLY	MQWY
	Mizzen Half Width	MGMY	MHWY
	Mizzen Three Quarter Width	MGUY	MTWY
	Mizzen Upper Width	MGTY	MUWY
	Mizzen Top Width	HBY	MHBY

ORC Rating Systems

- **Rule 106** is modified with the deletion of **Rules 106.1, 106.3, 106.4 and 106.5** by removing the lower LPS limit for issuing an ORC certificate and BLRI, and keeping only the Stability Index definition. The eligibility for a yacht to enter a race is according to the Category defined within the Offshore Special Regulations.
- Sail measurement abbreviations are changed in **Rules 109.1, 111.1, 111.2, 111.4, 113.1, 114.2 and 114.3** as described above for the IMS.



- **Rule 108.4** is deleted as obsolete.
- **New Rule 205.3** clarifies the tension of the lifelines as used in RRS 49.2.
- **Rule 206.1** is modified to clarify that the reference to the largest headsail applies to the largest headsails set on the forestay.
- **Rule 402.10** allows re-calculation of results only if the boat with the highest implied wind that was used for scoring whole fleet is found not to comply with her certificate according to the Rules 303.6 (when the Rating Authority has reasonable evidence that not by her own fault a boat does not comply with her certificate), 305.2(b) or (c) (when after the measurement protest the boat is found non-complying with her certificate with a GPH difference of more than 0.1%).
- A misprint is corrected in **Rule 403.3**.

Green Book

- CDL class limits are not changed, but the Organizing authority may also ask permission of ORC to change the lower limit of CDL to 8.0 if necessary.
- Standard Notice of Race and Standard Sailing Instructions are updated based on experience on events held in 2015 without any major changes in meanings.

ORC International and ORC Club Certificates

- LSM0 and Displacement/Length Ratio are added as important factors defining the ORC Sportboat Class.