

Reporting committee: **ITC**
RACE MANAGEMENT COMMITTEE
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SCORING WIND

PROPOSAL

Delete rule 402.9 of the ORC Rating Systems.

RATIONALE

It is incorrect to use the “highest Scoring Wind of the best boat in the race” as a fixed wind speed for corrected time calculations because doing so introduces errors in the competitors’ polars. The concept of “Scoring Wind” (also called “Implied Wind”) is central to the ORC handicap system, especially under Performance Curve Scoring. It does not represent the actual wind measured on the race course, but rather a performance index calculated individually for each boat.

Each boat has its own set of polars. The ORC scoring system relies on a VPP (Velocity Prediction Program) which incorporates these polars to generate a graph showing the theoretical boat speed under different wind conditions (wind speed and direction).

Boat speed is derived from the elapsed time and course distance. From this, the program calculates a “Scoring Wind”: the theoretical wind that best represents the boat’s performance on that course. This may or may not correspond to the real wind speed. In essence, “Scoring Wind” is performance data, and it is the basis for scoring boats in a race, from fastest to slowest.

The following examples show that applying this system can alter race results, making some boats appear faster than they actually were on the race course.

IW DE CADA BARCO										
Pos	N.Vela	Yate	Modelo	Hora Llegada	T.Invertido	T.Corregido	I.Aprovecham	Pol		
	1 ESP9861	BARBA FEITA	FIRST 40.7	12:41:29	0:41:29	0:00:00	12	622.3		
	2 ESP2797	ALPISPA 2	DEHLER 34	13:01:35	1:01:35	0:10:46	8	923.8		
	2 ESP7977	BUTXACA	DUFOUR 34	12:56:12	0:56:12	0:10:46	8	843.1		
TABLA COMPARATIVA										
N.Vela	Yate	Modelo	APH	6Kts	8Kts	10Kts	12Kts	14Kts	16Kts	20Kts
ESP9861	BARBA FEITA	FIRST 40.7	533.0	976.1	783.9	680.1	622.4	588.5	566.8	540.4
ESP7977	BUTXACA	DUFOUR 34	572.2	1049.1	843.1	731.0	667.9	632.6	611.0	586.5
ESP2797	ALPISPA 2	DEHLER 34	619.4	1155.0	923.8	799.2	723.8	679.9	654.9	630.7
IW FIJO										
Pos	N.Vela	Yate	Modelo	Hora Llegada	T.Invertido	T.Corregido	I.Aprovecham	Pol		
	1 ESP9861	BARBA FEITA	FIRST 40.7	12:41:29	0:41:29	0:00:00	12	622.3		
	2 ESP7977	BUTXACA	DUFOUR 34	12:56:12	0:56:12	0:11:41	12	667.9		
	3 ESP2797	ALPISPA 2	DEHLER 34	13:01:35	1:01:35	0:13:20	12	723.8		

It is therefore clear that using this method is incorrect.