

Submission: **EST 1**

Reporting committee: **ITC**
OFFSHORE CLASSES AND EVENTS COMMITTEE
RACE MANAGEMENT COMMITTEE

OFFSHORE RACE SCORING

PROPOSAL

Review the scoring method PCS with an All-Purpose pre-selected course or use PCS with a constructed course for the next ORC World and European championships.

RATIONALE

The Current scoring method PCS with All-Purpose pre-selected course does not work equally or favors heavier and relatively longer waterline boats. The lighter or more overpowered boats (Farr 30, Melges 32) are in unfair positions due to incorrect scoring wind.

ORC has been described All-Purpose as a hypothetical course type in which the boat circumnavigates a circular island that includes equal distribution of all wind directions, with the true wind velocity held constant. So any unequally distributed wind directions or “doldrums” which are on the race will lead to the wrong scoring wind.

In the 2022 Porto Cervo Worlds the long offshore race the B class winning boat “IRONY” ROU-409 had an average boat speed of 638,8 sec/mile, which is approximately equal to 8 knots of scoring wind. In this race the measured TWS (22 m above sea level) during the first part of this race from the start at 11:00 of 25/6/22 to 00.00 of 25/6/22 was 8.8 kt. The average TWS from 00.00 of the 26/6/22 to the finish of the race at 13.46 of the 26/6/22 was 17.04 kt. The average TWS was approximately 12.9 kt.

Adjusted to 10m above sea level, the measured wind was 11,55 knots in the Malta long offshore on the winning boat “WINDWHISPER 44” POL-1044, with an average boat speed of 550,38 sec/mile, equal to 8,2 knots of scoring wind. The average TWS during the first part of this race from the start at 10.00 of 26/4/23 to 00.00 of 27/4/23 was 13.2 kt. The average TWS from 00.00 of 27/4/23 to the finish of the race at 11.12 of 27/4/23 was 9.98 kt. Yet the average TWS of this long race was approximately 11.59 kt and adjusted to 10m above sea level the measured wind was 10,39 kts.

There are other examples if we compare the Italia 11.98 SCUGNIZZA (winner of the long offshore race in Malta 2023 Europeans, 2022 Porto Cervo Worlds, and Capri 2021 Europeans) with Farr 30 OD entries.

This 2 knots gap in scoring wind has a huge impact on the results. In 8 knots of wind using the All-Purpose pre-selected course the Farr 30 has to beat the Italia 11.98 by 12,8 sec/mile, but in 10 knots this reverses where the Italia 11.98 has to beat the Farr 30 by 3,9 seconds per mile. If we assume the typical long offshore race at an ORC championship is approximately 140 nm for class C, the Farr 30 will have to pay approximately 40 minutes extra time allowance due to the scoring wind being lower than real wind speed.