



MEASUREMENT COMMITTEE

Meeting

held from 09:30 – 13:30

on Monday, 28th October 2018 in Sarasota, USA

MINUTES

Present: Zoran Grubiša (CRO), Nicola Sironi (ITA), Per Boeymo (NOR), Pablo Ferrer (ESP), Robert Jacobsen (GER), Nathan Titcomb (USA), Michiel Woort (NED)

Appologies: Gennaro Aveta (ITA), Dimitris Dimou (GRE), Boris Hepp (GER), Joakim Majander (FIN), Tacha Montaner (ESP), Ichiro Yokoyama (JPN)

Observers: Peter De Jong (NED), Alessandro Nazareth (ITA), Dan Nowlan (USA), Thomas Nilsson (NOR), Jason Smithwick (GBR), Daniel Pillons (FRA), Panayotis Papapostolou (GRE), Matteo Zuppini (AUS), Bojan Gale (SLO), Michael Qvist (DEN), Johan Tuvstedt (SWE),

1. Approval of Minutes of November 2017

The minutes of the 2017 meeting were approved unanimously.

2. Reports from 2018 Championships

The reports on measurement issues and work of the Technical Committee was presented for the ORC Championships held in 2018.

Offshore World Championship, The Hague (Holland)

This event was first ever combined ORC/IRC championship that resulted in very good cooperation on a technical level between ORC and IRC prior to and during the event. Prior to the event all measurement data was double-checked on ORC and IRC certificates and all discrepancies were corrected including the difference between IRC weight and ORC calculated displacement. It was noted that all this work was done manually and the need for a common measurement database or two connected databases is recognized. It should be addressed through the UMS project that hopefully will develop faster during the next year.

Measurement checks during the championship were following standard ORC measurement protocols with most of the boats checked found in compliance with their certificates, except the case of one boat found with a 0.148% rating difference that as per ORC Rule 305.2(b) was not penalized but a new certificate was re-issued and used for the scoring of all races in the series.

ORC European Championship, Limassol (Cyprus)

During the post-race measurement checks a modified Farr 30 was found to be not in compliance with her certificate but not through the fault of the owner. It was found the aft freeboard points given to the measurer for the measurement were in the wrong position. Therefore, the rating office withdrew certificate and a new certificate was issued and applied to all races in the series.

ORC Sportboats European Championship (Portopiccolo, Italy)

Pre-race weighing of all boats as introduced in last year's ORC Sportboat Class Rule was performed. There was a significant discrepancy between the weight and the ORC calculated displacement for the Fat 26, so the history of the boat and certificates issued was investigated. It was noted that the change of keel in the offset file made in 2010 included unwanted changes of hull sections in the keel area resulting in a different volume of the hull, resulting in an incorrect displacement calculation. Correcting the offset file by leaving the same canoe body and replacing the keel only resulted in calculated displacement equal to the scale weight. The case was resolved before the start of the race and a new certificate was used to score all races in the series.

3. Submissions

ARG 2 – Lifting keels with bulbs

The Committee is following ITC's position that allowing lifting keels while racing may have a serious impact on safety and as since the VPP will not handle it, there is no need to define measurement procedures for it.

ITA 1 – Offsets from drawings and/or clouds

It is confirmed that use of designer-provided files is already defined in ORC rule 301.1 while for any 3D scanning that creates a cloud of points, it was strongly confirmed that such a measurement should be done by the measurer or a commercial company assisted by the measurer. The cloud of points obtained should then be sent to the ORC staff and Chief Measurer for final creation of the offset file.

ITA 2 – Displacement

It was noted that pre-race measurement weight was introduced last year to the ORC Sportboat Class Rules and applied as such at the ORC Sportboat European Championship. It is almost impossible to define the rule on how to resolve possible discrepancies between scale weight and calculated displacement as this may be needed to be investigated case by case as was shown in the example of the Fat 26 reported at the item 2.

NED 1 – Spinnaker pole length

The Committee supports the submission but proposes its application for 2020 together with any other possible standardization between IRC and ORC measurements that are planned during 2019 through the UMS project.

4. Latest developments on 3D/TS scanning

Latest developments on 3D/TS scanning were presented by Pablo Ferrer and other measurers having experience with different equipment now available.

5. Measurements videos

Promotional videos describing measurements of the mainsail, headsail and spinnaker were presented together with subtitles available with invitation to add subtitles in other languages. It was noted that these videos are primarily promotional for the general public and may be used for measurement training, but for definitions and interpretation the rules shall be used.

6. Any other business

Larry Rosenfeld presented his "Archimede's device," an electronic instrument for measuring freeboards, while a similar device with a simple measurement tape in a tube has already been used on many occasions this year and was presented by Zoran. A simple test with both devices was performed at the hotel's pool.