



## RATING OFFICERS COMMITTEE

### Meeting

held from 14:00 – 16:00 UTC/GMT  
on Sunday, 30<sup>th</sup> October 2022 via Zoom

### MINUTES

**Present:** Zoran Grubisa (CRO) – chairman, Panayotis Papapostolou (GRE) – vice-chairman, Andrus Aarna (EST), Gennaro Aveta (ITA), Per Bøymo (NOR), Johannes Christophers (GER), Pablo Ferrer (ESP), Bruno Frank (SUI), Luc Gellusseau (FRA), Philippos Georgakis (CYP), Mikael Jeremiassen (DEN), Joakim Majander (FIN), Lopo Pizzaro (POR), Raymond Roesink (NED), Rūdolfs Romans (LAT), Vygantas Stankus (LTU), Masakazu Takagaki (JPN), Jim Teeters (USA), Johan Tuvstedt (SWE), Godwin Zammit (MLT), Chris Zonca (AUS)

**Observers:** Vasilii Alekseev (RUS), Edward Cesare (USA), Dobbs Davis (USA), Willem Ellemeet (NED), Bruno Finzi (ITA), Robert Jacobsen (GER), Yannis Kalatzis (GRE), Eiji Mizukoshi (JPN), Tacha Montaner (ESP), Ab Pasman (NED), Alberto Pindozi (ITA), Michael Quist (DEN), Heikki Räisänen (FIN), Eckart Reinke (GER), Teresa Rios (ESP), Nicola Sironi (ITA), Maria Spirideli (GRE), Laszlo Szemerly (HUN), Karl-Hannes Tagu (EST), Peter Tjalma (NED), Chris Tutmark (USA), Jay Tyson (USA), Roy van Aller (NED), Ecky von der Mosel (GER), Ben White (USA), Matteo Zuppini (ITA),

#### 1. Approval of Minutes of 2021 meeting

Minutes of 2021 meeting were unanimously approved.

#### 2. Submissions

##### ESP 3 – Release old offset files from confidentiality

The submission is not supported due to legal limitations of copyright protection that may extend to 70 years after the death of the original copyright holder. It is noted that Sailor Services provides the possibility to run test certificates without the need of possessing an offset file. Furthermore, ORC can not risk losing the trust of designers if the existing policy of not disclosing any design data to third parties without the permission of the designer is not strictly enforced.

##### FIN 6 – VPP Run with Club displacement

It was noted that a VPP run with displacement entered for ORC Club certificates is generally slower than the run with freeboards entered due to the so-called “pessimization” routine, where the LPP is through many iterations looking for a trim that is giving the least favourable (fastest) rating. Additionally, there is a bug related to specific computer types that may also make this process significantly slower. This bug was partially corrected with the latest VPP Manager but nevertheless it will be investigated with Davide Battistin, the VPP programmer, if in general this routine can be made faster.

If this is not possible, the submission will be supported and the ORC Manager software will be updated. When displacement is entered, the LPP will be run to calculate the freeboards through the “pessimization” routine and these freeboards will be recorded in the DXT file and Club displacement will be removed together with the measurement inventory.

#### FIN 7 – Different type of certificate in DXT file

This submission may be answered by adding additional features in the ORC Manager software to help in the processing of standard, DH and NS spinnaker certificates for the same boat with it possible to have a data comparison of the DXT files with the same file name in different profiles. However, the solution suggested in the submission is not supported as it would require significant changes in the database structure. It was also reminded that the basic principle of keeping one boat – one DXT file name shall be followed as a requirement of proper database structure.

#### NED 1 – Boat trim calculation option

This submission would be possible to implement only if there are freeboard points defined in each offset file at the place where “y” is measured. This is not defined in almost 99% of the offset files and therefore the submission is not supported as it is technically impossible without that point defined in the offset file. Additionally, it may be noted that IRC y is measured with cm resolution, while ORC requires freeboards measured in mm. Therefore this submission is not supported.

### **3. Use of designer’s offset file**

This item was put on the agenda due to frequent questions and misunderstandings of use of designer’s provided offset files for boats with measured freeboards. The procedure for use of designer’s offset file for ORC International certificates is defined in ORC Rule 301.1, yet this is often not followed as written. The rule requires having freeboard points marked in a 3D file and clearly identified on the boat followed by a validation check of the scale weight, LOA, MB, deck beam at any stations, main dimensions and position of appendages and similar relevant dimensions. The boat’s trim, height of the sheerline and maximum beam may have an effect on the rating and if the validation cannot be properly done, the designer’s file cannot be used with flotation measurements.

The most accurate method to get offset file for flotation measurement is hull scanning with a 3D scanner or TS machines. ORC is already providing hull scanning requirements, measurement training and a processing service of converting hull scan data to offset files. ORC is ready to further invest in future seminars on this topic in the USA and Australia to help to these rating offices have their measurers instructed on the latest developments in hull scanning.