MEASUREMENT COMMITTEE

Meeting
held from 18:00 – 20:00 UTC/GMT
on Sunday, 7th November 2021 via Zoom

M I N U T E S

Present: Zoran Grubiša (CRO) – chairman, Nicola Sironi (ITA) – vice-chairman, Gennaro Aveta (ITA), Per Boeymo (NOR), Dimitris Dimou (GRE), Pablo Ferrer (ESP), Robert Jacobsen (GER), Yannis Kalatzis (GRE), Joakim Majander (FIN), Tacha Montaner (ESP), Alberto Pindozzi (ITA), Johan Tuvstedt (SWE), Michiel Woort (NED), Michael Quist (DEN), Matteo Zuppini (ITA)

Observers: Andrus Aarna (EST), Vasily Alekseev (RUS), Tom Barnes (USA), Rafa Bonilla (ESP), Rodrigo Castro (BRA), Johannes Christophers (GER), Edward Cesare (USA), Andrew Claughton (GBR), Dobbs Davis (USA), Willem Ellemeet (NED), Bruno Finzi (ITA), Simon Forbes (GBR), Bruno Frank (SUI), Francisco Freitas (BRA), Bojan Gale (SLO), Luc Gelusseau (FRA), Philippos Georgakis (CYP), Kim Henriksen (DEN), Mikael Jeremiassen (DEN), Eiji Mizukoshi (JPN), Dan Nowlan (USA), Stig Paulsen (NOR), Panayotis Papapostolou (GRE) Ab Pasman (NED), Daniel Pillons (FRA), Lopo Pizzaro (POR), Victor Ramos (ESP), Raymond Roesink (NED), Gert Schmidleitner (AUT), Maria Spirideli (GRE), Vygantas Stankus (LTU), Karl-Hannes Tagu (EST), Masakazu Takagaki (JPN), Jay Tyson (USA), Ben White (USA), Dantsios Zacharias (GRE), Godwin Zammit (MLT), Chris Zonca (AUS), Dirk-Jan Zweers (NED)

1. Approval of Minutes of 2020 meeting

Minutes of 2020 meeting were unanimously approved.

2. Submissions

ESP 2 – Headsail area and spinnaker sail area

While sail measurements are mostly unified through the UMS concept between ORC and IRC sail area calculation may vary in different rating system and it is hard to expect its unification or at least to control something that is outside of ORC. It is also noted that having sail area on the measurement stamp is not the best idea as its formulation may change from time to time and for the mainsail P and E measurements are needed and may not be known when the sail is measured.

ESP 3 – Sail measurement stamp

Even though it is standard practice to have sail measurement stamp set at the head of the sail, it was noted that this is not written in the rule. Therefore, IMS Rule G7 will be updated addressing also what submission is proposing.

ESP 5 – Measurement illustration update

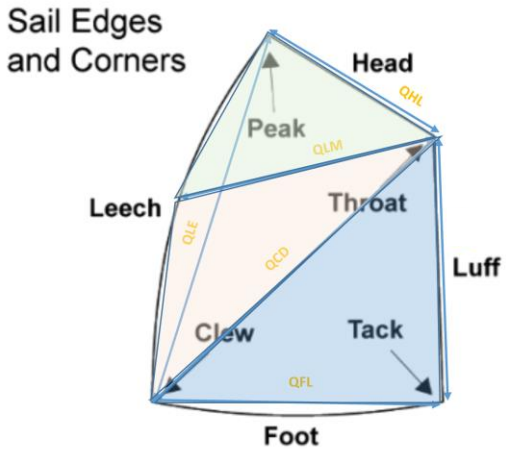
Illustrations in the IMS Rule are clearly defined as "Diagrams for illustration only". Nevertheless, some updates will be made for 2022 versions mainly as updates to the latest rules version, but also to review existing ones.

ESP 6 – Definition of the shaft not-exposed

Some clarification in the rule may be need, but submission is caused by specific housing of the shaft that may require further investigation. Spanish measurers will provide more details on this issue that will be reviewed by the staff and the ITC if needed and rules will be updated accordingly.

3. Measurement practices and cases found during the year

As a part of the ITC work and need to define measurement scheme for quadrilateral sails and sail set on the wishbone a proposal was made based on the ERS measurements of the quadrilateral sails as follows:



With introduction of new measurements as follows:

QLE shall be the **leech length**.
Q*HL* shall be the **head length**.
QFL shall be the **foot length**.
QCD shall be the **clew diagonal**.
QLM shall be the distance between **the half leech point** and the **throat point**.

The concept is supported with only remark that P measurement shall still be measured on the rig and lower measurement band will be used for BAS measurement. Additional filed will be added for sails like this to denote if a sail is set up on the main mast or on the mizzen mast.

It was noted again that additional sail cloth set around the boom and the vang fits the ERS definition of a sail since it may propel the boat but it is not allowed to be used as it does not fit in any of permitted type of sails as defined in the ORC Rule 206.1

An information received from USA about sensors for electronic inclinometers available at low price led to discussion about accuracy needed for electronic inclinometers and sensitive of these sensors to the temperature and humidity. Additionally, USA sensor needs proper software that may record heel angle for some time and show it during at least 4 measurements of 1 minute.

As a first step a test of that device will be performed during the winter in parallel with JM Sensors currently mostly used in many countries and report will be prepared after that test based on which further decisions will be made.

Additionally, it was discussed if the PD ranges defined by the IMS Rule E2.8 are appropriate or needs to be reviewed. This rule is there for quite long time and there is no strong reason to have it changed.