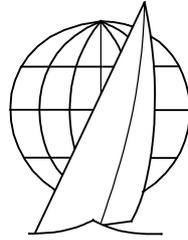


# OFFSHORE RACING CONGRESS

*World Leader in Rating Technology*



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Minutes of the **Measurement Committee** meeting held on November 11th, 2013 in Muscat, Oman, hotel Shangri-la

**Present:**

Nicola Sironi (Chief Measurer), ITA  
Jean Louis Conti (deputy Chief Measurer) FRA  
Per Boeymo NOR  
Robert Jacobsen GER  
Dan Nowlan USA  
Ab Pasman for Michiel Woort NED

**Observers:**

Zoran Grubisa CRO  
Dobbs Davis USA  
Alessandro Nazareth ITA  
Paolo Massarini ITA  
Paolo Luciani ITA  
Giovanni Iannucci ITA  
Emilio Feliu ESP  
Eva Holmsten SWE  
Kristos Theodossis GRE  
Akis Tsalikis GRE  
Qu Chun CHN  
Steve Benjamin USA  
Stan Honey USA  
Bjorn Johnson USA  
Pedro Rodrigues POR

## **1. Discussion on last year decisions**

The new “empty boat” measurement trim that was agreed last year, including the implementation not requiring the boats to be remeasured and automatically correcting the feeboards has not caused discussions nor problems during the season, as the other changes.

## **2. Headsails/Code Zero (NOR 1) – see also ITC Minutes**

Upon a Submission from Norway, and the related discussion in ITC, the measurement Committee – although not unanimously, recommends to go along with the ITC proposal, and to allow roach in genoas, so unifying the treatment of all headsails, having LP less or more than 110%. The concern is on the use of battens in overlapping headsails. The proposal of the Committee on which agreement was met is to provide a field in the data set to identify battens in headsails, and modify the sail coefficients when battens are used in genoas.

The Committee further agreed to go along the ITC proposal of changing the way to treat “code zero” sails as headsails and not as spinnakers, identifying them as having a luff length exceeding the forestay length, and when this is found assume the sail is a loose luffed one, and adopt for it different coefficients from the jib ones. Sails already measured as Code Zero don’t need to be remeasured, and a factor will be applied to adjust the area accordingly. New Code Zero sails will have to be measured as headsails and not as spinnakers.

### **3. Hull measurement and OFF creation (AUS 1)**

A hull measurement was performed in Australia using a Total Station measuring points without ensuring that they are on transverse stations. An OFF file was obtained from that measurement, but having to reconstruct a surface then slicing it to obtain transverse stations. This however required a considerable amount of time of post processing, and the Committee therefore does not recommend to accept the submission.

During the season several boats have been measured using 3d scanners, obtaining several hundreds of thousands of points in a very short time. Methods to quickly obtain good Offsets file minimizing post processing time, and not requiring the creation of a mathematical surface are being used, looking forward to get some automated tools in the months to come.

In the context of Offsets files, it was agreed to clarify in Rule B2.2(d) that stations have to be located at any change in slope of the profile, not only in the appendages.

### **4. Redundant data (ESP 2, GER 8)**

The Committee agreed to take off the redundant measurements from the certificate (CPW, SPS, BAL, BWT, but not PBW, still needed for solid propellers) and add an Appendix 1 to the ORC Rules listing all the measurements that are used for calculating the handicaps. They will be kept in the IMS Rule, and in the Manager, but adding a note explaining that the field is obsolete.

### **5. Submissions GER 6, 9, 10 Bona fide Headstay, Limit Marks, Forward Accommodations**

The Committee agreed to replace the rule wording with the one presented in the Submission.

### **6. New materials/Innovations**

New fields to be added to the measurement data, to identify titanium or carbon fibre stanchions/pulpits.

### **7. UMS Update**

A new version of the Manager has been presented, able to export data from the ORC to other systems.

A draft text of a potential UMS Rulebook has been presented, where some sections have been added to cover other systems measurements. The work has to continue, together with other systems management.

The meeting adjourned at 13:30