OFFSHORE RACING CONGRESS

World Leader in Rating Technology

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Minutes of the **Measurement Committee** held on November 3rd, 2006 in Helsinki, Scandic Grand Marina Congress Center.

Present: Nicola Sironi (Chief Measurer)
Ken Weller (Deputy Chief Measurer)
Jean Louis Conti (Deputy Chief Measurer)
Per Boeymo
Pablo Ferrer
Boris Hepp
Gerd Kall
Tony Mooney
Timo Sarainmaa
Chris Theodossis
Marcel Wagenaar

Apologies: Apologies for absence were received from Dan Nowlan, Javier Mendez, Taro Takahashi

Observers: Roula Galani GRE
Eva Holmsten SWE
Zoran Grubiza CRO
Pekka Lopmeri FIN
Joakim Majander FIN
Enrique Molinelli ESP
Flemming Nielsen DEN
Peter Reichelsdorfer USA
George Sykaris GRE
Masakazu Takagaki JPN
Minoru Tomita JPN

The Chief Measurer opened the meeting welcoming new member Chris Theodossis from Greece, replacing Theodossis Tsaltas.

Season activity

See the Chief Measurer report included in the ITC Minutes

Submissions:

- **IMS Rule 812.4 Headboards in Jibs (DSV2)**

The Committee agreed on the fact that – as a consequence of the inclusion of jib luff length in the handicap calculations – there is a trend towards wider jib heads to reduce the luff length.
It was agreed to propose a limit to the width of the pennant to 100mm or 1% of the luff length, whichever is greater. Any excess multiplied by 5 would be added to JL measurement.

- **Sails default minimum size (FIV5)**

The Committee agreed on the principle. See also ITC Minutes

- **Sail Areas input instead of Measurement (FIV6)**

The Committee discussed the matter at length, proposing to record the individual sail measurements instead of the maxima found on the whole inventory, and calculate from these the maximum area to be used in the VPP. Several additional fields need to be added to the data files to implement this, and a final scheme to be used with the 2007 program needs to be concertated with the programmer.

- **Headsails Area Measurement – remove Jib Roach (FIV7)**

The Committee agreed with the Submission in both its concepts, i.e. allow jib roach only for small jibs used on boats which include in their inventory also overlapping genoas.
It was also agreed to add headsail widths measurements, as specified in the Isaf ERS. See also ITC Minutes.

- **Multiple headsails and the VPP (KNWV6)**

See FIV 6 above.

- **ORC Club certificate Design (FIV10)**

The Committee did not think this is a Measurement Committee matter, see CWG and ITC Minutes.

- **Appendix 5 and Penalties (FIV11)**

The Committee agreed on the Submission regarding part a), but proposes the following wording for part b):

"(b) A boat whose certificate has to be recalculated as a result of an error or omission in the production of the certificate, of which the boat Owner could not have been reasonably aware, may be penalized at the discretion of the protest committee. Additionally, the protest committee may order that races scored using the incorrect certificate to be rescored using the corrected one."

- **IMS Rule 804 clarification (ORCAN5)**

The Committee discussed the matter at length, agreeing to modify the current wording of IMS Rule 804 as follows:

"1. The yacht's spinnaker configuration shall be declared by the owner and recorded as one of three types:

a) Symmetric spinnakers only, spinnaker pole permitted.
b) Asymmetric spinnakers only, tacked on the centerline of the yacht. No spinnaker pole allowed aboard while racing.
c) Both asymmetric and symmetric spinnakers, spinnaker pole permitted with either type."

- **TPS value for Asymmetric Spinnaker (ORCAN6)**

The Committee acknowledges that the program does not work as intended, neglecting the effect of a TPS value greater than SPL when entered, and agreed to correct it.

- **LPIS (ORCAN7)**

The Committee does not think there is a problem with LPIS definition. If LPIS as defined in the Rule exceeds the LPG value, it needs to be entered as LPG.

- **Definition of constructed boats for eligibility for the IMS 670 Class (RFEV6)**

The Committee believes that the current wording of Rule 108.1 addresses the concept of production units as defined in the IMS 670 Rules in enough detail.

- **Green Book Rule 7.1 (RFEV9)**

The Committee discussed again this paragraph of the Green Book, and agreed to amend the current wording as follows:

"7.1 Sails

One suit of sails plus one mainsail may be used in a series and shall have been measured and stamped by an ORC Measurer. The sails so stamped shall be marked for the event and shall not exceed in numbers the maxima permitted under IMS Regulations 205, unless otherwise stated in the Notice of Race. In determining these maxima, the GPH used for all yachts in the Class shall be the faster of the two GPH values given as the Class Rule rating band limits. With the exception of the second mainsail all sails must be carried aboard."

- **Clarification regarding ORC Club measurement principles (SWE2)**

See CWG minutes

- **IMS measurement machines and associated software (YA1)**

The Committee noted that there is a PC software available that works on any laptop fitted with a serial port, which constitutes an alternative to the Tandy.
There exist several alternatives to conventional hull measurement machines, using laser and optical devices commercially available. Any hull Offset file to be used to produce IMS certificates with these innovative systems needs to be approved by the Chief Measurer.

Stored Energy

A question was raised on whether compressed air in the boom vang hydraulic cylinder to hold up the boom constitutes stored energy and is therefore prohibited by the RRS.

The Committee agreed that provided the compressed air is self contained in the unit and does not require an external supply whilst racing, does not constitute an infringement to the stored energy concept.

Hull Measurement with laser scanner

A very interesting report about hull measurement experiences performed in Japan using a 3d laser scanner and freeware reconstructing software was presented by Masakazu Takagaki and Minoru Tomita from Japan.

The good news about these experiments are that it can be obtained at a reasonable service price, and Offsets files created without too much of post processing work.

New software for electroning inclining devices

A new software to be used in conjunction with electronic inclining devices has been presented by Joakim Majander from Finland. It requires a few more tests in the field, and will be available for a price to be finalized.

The meeting adjourned at 18:30