
Minutes - Technical Committee Meeting November 3, 2011

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Fri, Nov 04, 2011 07:03 PM

Subject : Minutes - Technical Committee Meeting November 3, 2011

 1 attachment

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A Shields Technical Committee meeting was held on November 3, 2011. In attendance were R. Robbins, B. Berry, M. Swanson, C. Crocker, K. Martincic, S. Benson, B. Miller and K. Roberts.

Loose Footed Mainsail:

Proposal for rule changes was presented (see attached). Discussion whether we want to allow a non-bolt-rope version or just allow the bolt-rope mainsail to be used in or out of the groove. Consensus seemed to be to allow a non-bolt-rope version if the foot round was small and performance equal.

Action: Talk to sail makers as to the details of the rule change especially as to the foot round and measuring technique. Please have sail makers re-write V-9.5 Shape of Foot to current standards. (All)

Mast Issues:

Discussed the issues of the mast dimension specifications differing from actual and the effect of mast bury on spinnaker fairlead, jib halyard and ability to fully raise the mainsail. The mast extrusion length was changed when the top casting was changed. The newer top casting maintains the same height for the backstay with the shorter (1-3/8") extrusion. Consensus was that forcing changes on boats (mast step or mast changes) was not reasonable or required.

*Action: 1. Revise Official Plan 2 to agree with current reality for discussion at next meeting. (Richard)
2. Create rule related to mast bury for discussion at next meeting. (Richard)*

The question was also raised as to quality problems with new masts.

Action: Make suggestions as to possible courses.

Boom Length:

The current boom seems to 3" to 4" longer than the specifications allow. Discussion concerned changing the rule or having longer booms re-machined.

*Action: 1. Measure (from aft mast face) available booms (new and old style) so we better understand the issue.
2. Contact Cape Cod Shipbuilding for a recommendation (that is overdue) and history. (Richard)*

Hiking:

The following interpretation was discussed and voted on (7 to 1 in favor). Note that even though the interpretation is not 100% enforceable it was thought to be an improvement and answer the question "Can one hold on to existing equipment while hiking?"

Rule with Interpretation

III-5.3 Extraordinary means of hiking are prohibited in all sanctioned class races. When hiking in the sitting position, no part of the body between the middle of the thigh and feet shall be outside of the sheerline. When hiking in the prone position, one half of the body shall be inboard of the sheerline. No hiking straps or other device shall be rigged by any member of the crew for the purpose of supporting his weight outboard of the sheerline.

Interpretation:

Crew may hold onto existing parts of the boat or control lines for safety purposes, but may not do so in order to enhance hiking.

Action: Have Governing Board adopt the interpretation so it will go into effect. (Richard)

Reconstruction:

Discussion about what is legal as to fairing and shaping the keel and hull. Can the shape be achieved according to the line drawings (Bam and Kim seem to have copies) or to the mold? What is the status of the mold and its life expectancy? This is a big area of concern (and has been discussed for years) and it was agreed that this would be the prime topic at the next meeting.

Action: 1. Create a WIKI for accumulation of images and instructions related to reconstruction. (Richard)

2. Contact Cape Cod Shipbuilding as to the mold condition.

3. Think about how to clarify what is meant by current fairing rule (see below) and how to clarify. The problem phrase being

"the basic design shape". (All)

IV-1.5 Fairing

(a) "Fairing" is defined as long-board (batten) sanding, filling low spots, eliminating high spots and other "micro-smoothing" techniques used to achieve improved water flow over and around the hull. Fairing shall not alter the basic design shape of the hull, keel, rudder fairing strips or rudder.

Next meeting December 2011. Please advise if you see issues with the minutes.

Submitted,

Richard Robbins
National Measurer



mainsail.pdf

7 KB

Rule - Proposed

IV-6.1 Fabrication of the Boom

Booms may be rigged or fitted out by any person. The boom section may be fabricated by any manufacturer in conformance with the cross-sections used by Zephyr Products, Chris Craft and Hinckley. "Cut outs" to lighten the boom are prohibited except that the aft end of the boom may be partly cut on a diagonal with the underside of the diagonal cut left open. **A cut out in the bolt rope groove may be added to accommodate insertion of the slug for loose footed mainsail. The cut out portion shall not be larger than 8 inches.**

V-5.1 Foot Attachments

The foot **may** ~~shall~~ be attached to the boom by a boltrope which may terminate 6 inches from the clew **or may be loose footed**. A clew slide **and clew strap** may be added. Roach reefs, zippers and similar foot control devices are prohibited. **A boltrope foot may be used outside or inside the boom groove.**

V-9.5 Shape of the Foot The foot of the sail may be rounded in a convex shape. No part of the "round" may extend more than 4 inches below a straight line taken between tack and clew. A loose accordion fold should be made parallel to the foot and approximately eighteen inches above the foot before measuring. The shape, if any, of this extended portion of the sail shall form a fair curve approximating the arc of a constant radius.