AMERICA'S CUP CLASS

PUBLIC INTERPRETATION No 22

June 15, 2006

In response to:

Please issue a Public Interpretation in relation to the following questions.

1. *Further to Rule 17.11, is lateral deflection of a fixed appendage limited or restricted by the ACC Rule whilst racing?*

2. *In the context of Rule 17.10, is a deflecting appendage a "movable appendage"?*

3. *Is lateral deflection of an appendage considered to be a rotation movement in the context of Rule 17.10?*

4. *Would any Rule be breached, should lateral deflection of a fixed appendage be passively controlled by a low pressure hydraulic system?*

5. *Would any Rule be breached, should lateral deflection of a fixed appendage be actively controlled by:*

   a) *Lateral traction/compression by a hydraulic/mechanical system applied to the head of the keel from the inside of the boat; or*

   b) *Vertical traction/compression by a hydraulic/mechanical system applied to the inside lateral(s) of the keel fin; or*

   c) *Vertical traction/compression by a hydraulic/mechanical system applied to the side(s) of the keel bulb?*

6. *Would any Rule be breached, should lateral deflection of a fixed appendage be locked by:*

   a) *Lateral constraint by a hydraulic/mechanical system applied inside the head of the keel from the inside of the boat?; or*

   b) *Vertical constraint by a hydraulic/mechanical system applied to the inside lateral(s) of the keel fin?; or*

   c) *Vertical constraint by a hydraulic/mechanical system applied to the side(s) of the keel bulb?*

7. *Is it permitted by the Rule to rotate an appendage about a horizontal longitudinal axis if that rotation compensates the lateral deflection of the said appendage thus bringing it back to the centre line plane?*

8. *If the answer to the previous question is yes, could the rotation then be locked?*

9. *Is it permitted by the Rule to deflect the internal structure of the yacht if it compensates the deflection of a fixed appendage thus bringing it back to the centre line plane?*

10. *If the answer to the previous question is yes, could the deflection then be locked?*

INTERPRETATION:

1. Beyond the restrictions imposed by rule 17.11 the lateral deflection of fixed appendages is not limited or restricted by the ACC Rule whilst racing.

2. In the context of Rule 17.10 a deflecting appendage which has no means of inducing or altering deflection other than by; lift or drag generated by the motion of the appendage through the water, or loads due to self weight or other attached appendage(s), is not a movable appendage. Attention is also drawn to rule 17.11

3. No.

4. The Oxford Dictionary defines "Fixed" as:

   Placed or attached firmly; fastened securely; made firm or stable in position, definitely and permanently placed; stationary or unchanging in relative position.

   Any means of inducing or altering deflection of a fixed appendage other than by; lift or drag generated by the motion of the appendage through the water, or loads due to self weight or other attached appendage(s), would contravene the definition of "fixed" as used in rule 17.

5. (a) Yes, see answer 4 above.

   (b) Yes, see answer 4 above.

   (c) Yes, see answer 4 above.

6. (a) No. However any adjustment of the locking mechanism after measurement that results in an alteration to the location or deflection of a fixed appendage may constitute a change to that appendage for the purposes of Rule 45.2 (a).

   (b) No, see answer 6(a) above.

   (c) No, see answer 6(a) above.

7. No, any movement of an appendage other than that permitted by Rule 17.10 is not permitted. Attention is drawn to Rule 17.10(b)

8. The answer to question 7 is "No".

9. No, any induced deflection or alteration of the position of a fixed appendage would contravene the definition of "fixed" as used in rule 17. Also see answer number 4 above.

10. The answer to question 9 is "No"

END

This interpretation is made by the CORD Measurement Committee in accordance with Rule 3.3 of Version 5.0 of the America's Cup Class Rule.

Ken McAlpine
ACC Technical Director
117 Marine Terrace, Fremantle,
W.A. 6160 AUSTRALIA
Phone 61 8 9336 6664
Fax 61 8 9336 6665
Email kenmcalpine@compuserve.com