



Request for Interpretation No. 39

of

**AC Class Rule** Version 1.4: December 8<sup>th</sup> 2015

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**Rule References:**

**ACC-W-1001 Rig & Sailplan**

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**Background:**

Competitors need to be able to monitor the loads on the standing rigging and platform rigging. All Rigging is defined in appendices C, D and E.

**Questions:**

1. Considering the standing rigging, platform rigging and chainplates are One Design elements, is there any consideration taken for load measuring devices to monitor Wing and Platform rigging loads?
  2. Is it permitted to attach other elements to the One Design rigging, such as:
    - a. Vibration mitigating elements or devices.
    - b. Load measuring devices.
  3. Are Competitors permitted to modify the One Design rigging fittings for the installation of rigging load measuring devices?
  4. When racing may teams replace shroud diabolos with equivalent size load pins?
  5. Carbo-Link is able to manufacture the Rule defined bobstay with an integral optical fiber for strain measurement. This would not require any modification of the end-fitting. Are teams permitted to race with such a bobstay?
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**Interpretation:**

1. Load monitoring devices are permitted on rigging and chainplates provided they do not alter the rigging elements or fittings. Optic fiber load measuring devices may be added externally to one-design rigging but they shall add negligible stiffness to the rigging element.
2. a) Yes, vibration mitigating elements or device shall not be considered **rigging** or instrumentation. As an example, spiral wound wire on one-design rigging would be permitted as a vibration damping device. Aerodynamic fairings and other components are restricted on rigging that is above 1.550 m above MWP (see AC Class Rule 6.9)  
b) Yes, provided the one-design rigging is not altered. A light sanding or wrap is permitted in the area of the load measuring device. It is expected the load measuring device would be attached over a length of less than 1.5 m.
3. No, although devices may be attached to the rigging as specified in answer 2 (b).
4. No.

5. No, the Carbo-Link rigging is one-design and all strain measurement devices shall be external. If a Carbon-Link part has been manufactured with an internal load measuring device, the load measuring device shall not be used to measure loads or for any other purpose while racing. An external strain measurement device may be attached to the rigging providing it adds negligible stiffness.

END

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