



Request for Drawing Question / Interpretation No. 20

of

AC Class Rule Version 1.4: December 8th 2015

Rule References:

- 1.4 (h) **cross structure** means the components used to connect the **hulls** or to support the **wing, rigging** or **jib**, including any part of these components which extend into the **hull** and that are removed from the **hull** if the **AC Class Yacht** is disassembled and including non-structural aerodynamic fairings attached to these components, but excluding trampolines. The **wing, rigging** or the **jib** may also be supported from fittings attached to the **hulls**;
- 8.4 **Cross structure** or fittings attached to **cross structure** shall only be allowed in the area detailed in Appendix D, except for:
- (a) spray guards within 0.500 m of the local inboard edge of the **hull** and between **cross structure** beams. The material used for the spray guards shall be capable of being folded flat in any direction and shall be in addition to the required **trampoline**; and
 - (b) **ACEA** media equipment and associated fittings.
- 8.5 When viewed orthogonal to **MWP**, the combined projected area of the **cross structure** within 3.200 m of the **yacht centerplane** shall not exceed 33.00 m². Spray guards referred to in Rule 8.4(a) are excluded in this projected area calculation. Additionally:
- (a) this area shall be symmetrical about the **yacht centerplane**; and
 - (b) **rigging**, fittings, attachments or other surfaces shall be included in this projected area if they have a chord length/thickness ratio greater than 3:1;
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Questions:

1. With reference to Rule 1.4 (h), is a component that does not connect the hulls or support the wing, rigging or jib, and is not attached to a component that connects the hulls or supports the wing, rigging or jib considered to be cross-structure, and therefore subject to the many rules that apply to cross-structure?
2. Specifically, with reference to the attached figure, are the following considered to be cross-structure:
 - i. An aerodynamic device or fairing attached to the hull at A?
 - ii. A winch attached to the hull at B?
 - iii. A winch fairing attached to the hull at B?
 - iv. A purely aerodynamic device or fairing attached to the hull at B?
 - v. A purely aerodynamic device or fairing attached to the hull at C?
 - vi. An aerodynamic device or fairing attached to the trampoline at D?
3. If components in regions 'A' or 'D' are not cross-structure, and they have a chord length/thickness ratio of 3:1 or less, are they included in the 33.00 m² referred to in Rule 8.5?

