



Request for Interpretation No. 51

of

AC Class Rule Version 1.5: July 20th 2016

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**;

.....

- 8.11 No part of **cross structure** or its fittings, external to any **hull**, shall be less than 0.100 m above **MWP** or greater than 1.550 m above **MWP**.

.....

APPENDIX I- MEDIA AND RACE COMM EQUIPMENT

- 1.3 **Competitors** shall provide all reasonable access to their **AC Class Yachts** for ACTV to install, remove, inspect, or service equipment, including but not limited to adjusting the haul and or launch schedules if necessary.

.....

Drawings ACC-1001-REVC CROSS STRUCTURE AREA.pdf, and ACC-11100-REVA MEDIA BAY GS.PDF

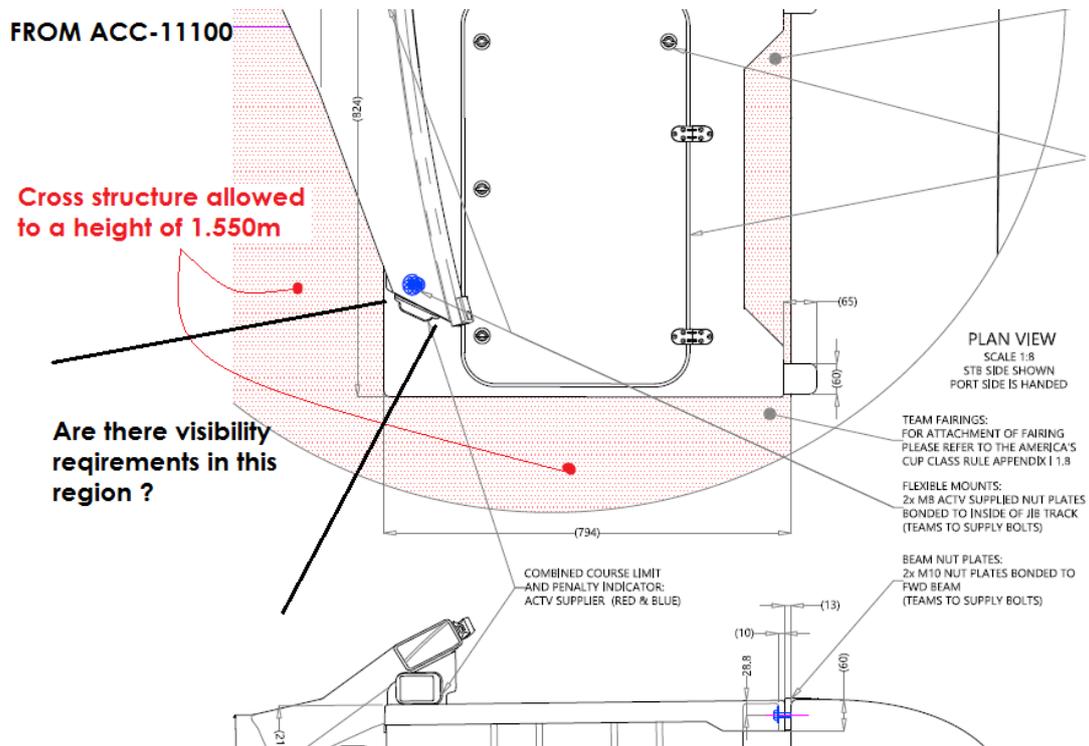
Background:

The **jib** track presents a significant source of aerodynamic drag. In the interest of the performance of the **AC Class Yacht** in all conditions, aerodynamic fairings in the region of the **jib** track are important. The **AC Class Rule** is silent with regard to how fairings can be integrated with components in and around this region, particularly as it relates to the required media bays.

Questions:

1. With regard to the required reasonable access to the media bays per Appendix I 1.3, may permanent fairing structure be built in close proximity to the media bays along their aft, lower, and outboard surfaces, provided the lower surface has the VENT WATER OUTLET and RIDE HEIGHT SENSOR features shown in drawing ACC-11100? With this fairing structure installed, the media box could only be removed from above.
2. May an aerodynamic fairing which is not attached to the media bay cover the top of the media bay hatch while racing, provided the fairing is readily removable for access to the media bay?
3. The media bay appears to have an air vent intake on its outboard aft corner. If the answer to question 2 is "yes", are there specific clearance distances or other requirements in the area of this intake to allow air flow?

4. **Cross structure** is permitted aft and outboard of the COURSE LIMIT, PENALTY LIGHT, shown in drawing ACC-11100. **Cross structure** is permitted to a height of 1.550 m above **MWP**, which is above level of this light. Are there visibility requirements through the **cross structure** in this region? See diagram below.



Interpretation:

1. Yes.
2. No.
3. Not applicable.
4. Yes. The lights must be easily visible to the crew at all times.

END

Issued by the America's Cup Measurement Committee on September 21, 2016