

2022-7-28

Gerd Mentges Technical Chairman ITCA (acting)

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Questions from ARYA (page3), dated 2022-7-15 :

Q1 Is the area of a mast stub included in the measured rig area ?

Q2 Is the area of the stub mast above the deck, part of the mast area?

The relevant 10R class rule are:

J.2 CERTIFIED RIG AREA

J.2.1 The **certified rig** area is the sum of the areas of the **rig** components of the largest rig, excluding the items listed in J.2.2,

where if the sum of the area of the components does not exceed 10% of the maximum permitted sail area, the area of each component shall be found as in J.3 and/or J.4, or otherwise

where the area of each component shall be found as in K.3

- J.2.2 (a) spars as in J.1(a).
(b) fittings as in J.1(b)
(c) **spreaders**.
(d) **rigging** with a maximum cross section of less than 2 mm.

K.3 OTHER SAILS AND RIG COMPONENTS

K.3.1 GENERAL

- (a) This method shall be used for:

.....

- (3) **rig** components where the **certified rig** area, found using J.3 and/or J.4, exceeds 10% of the maximum permitted sail area; and

.....

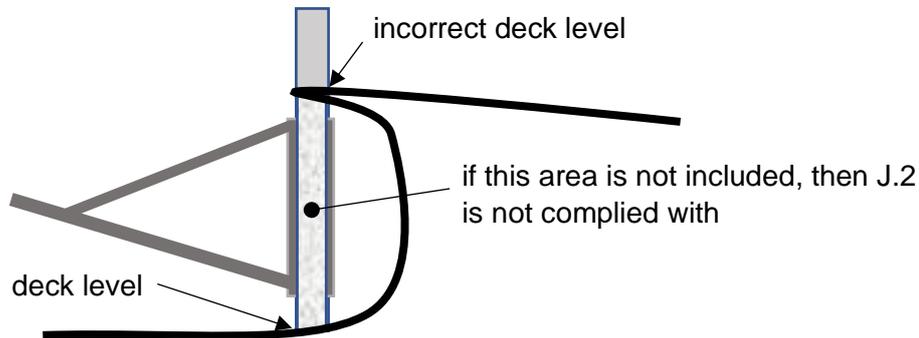
- (b) Small areas of supporting spar not enclosed by a **sail**, and end plates, shall be measured using Sections J and K if appropriate. Where the methods in Sections J and K are not appropriate, any suitable method may be used and the measurements and calculations shall be reported on the measurement form.

Discussion

J.2 means the **mast spar** is included in the area of the **certified rig**. And the **mast spar** above the deck level, regardless of whether it is under the gooseneck body or not, is included.

K.3.1 (b) states the area of the **mast spar** below and above a **double luff sail** shall be measured. This for a yacht, which has a **double luff sail** for the **certified rig**.

Please see Figure L.1. in the class rule and the sketch below from Q&A 2016 “Measured Rig Area § J.2.”, here in an improved version, as the current class rule uses the expression deck level.



The design described in the AYRA RFI is not the situation described in the Q&A relating to Walicki type masts as, in this case, the mast is a continuous element without a break.

Conclusion

Q1 Is the area of a mast stub included in the measured rig area?

A1 Yes.

Q2 Is the area of the stub mast above the deck, part of the mast area?

A2 Yes.

end

Request for Interpretation of Measurement of a 10R Mast with an Australian Stub Mast Arrangement.

The Q&A titled *"Is the area of a mast stub included in the measured rig area?"* Refers to the Walicki style rig as displayed in the Q&A itself.

A Stub Mast of a different design is very common In Australia.

This is a request for the method of measuring a mast with a Stub Mast of Australian design.

The Australian Stub Mast is comprised of a length of mast material to which the gooseneck is attached above deck level. An example is shown in Figure 1.

The mast is fitted either over or inside the Mast Stub as shown in Figure 2.

The deck, (as defined in Q&A *"How is the area of the mast measured when the mast passes the deck at two points?"*) cuts the Stub Mast below the gooseneck. Is the area of the Stub Mast above the deck, part of the mast area?



I suggest that the Q&A items be numbered for easier reference.

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