

CHALLENGER OF RECORD & DEFENDER

AMERICA'S CUP 36

Interpretation 047

of

AC75 Class Rule Version 1.10 issued 21st May 2020

Rules References:

- 31.12 Information on a **yacht's** measurement certificate shall include, but is not limited to, her:
- name;
 - the **hull** sail number and **hull IGES** reference;
 - builder(s);
 - owner(s);
 - measurement **yacht assembly** mass m_Y , and **longitudinal** centre of mass xy ; and
 - foil, rudder** and **mast** configuration.

Question:

- Does the word "configuration" on 31.12 f) refer to the configuration of the **yacht**?
- Does the word "configuration" on 31.12 f) refer to each of the items "**foil, rudder** and **mast**"? Meaning **foil** configuration, **rudder** configuration and **mast** configuration.
- Given the answers to 1 & 2 above, what are the relevant details to distinguish a particular "configuration" which are to be expected in a Measurement Certificate.

Background:

As required by Rule 32.5, this interpretation only considers the words in the **AC75 Class Rule**. The Race Conditions (and the restrictions included therein) do not influence the outcome of this Interpretation, despite being part of the Rules.

Rule 31.12 requires items a-f) to be the minimum information included in a measurement certificate. Interpretation 10 gives the **Rules Committee** the authority to determine what information beyond the minimum information specified in Rule 31.12 is to be included on the measurement certificate. Therefore, the full content of the measurement certificate, which will be issued independently from the interpretation process, is the sole responsibility of the **Rules Committee** taking into account the **AC75 Class Rule** and all other Event documents.

Interpretation:

The OED defines configuration as "*Arrangement of parts or elements in a particular form or figure; the form, shape, figure, resulting from such arrangement; conformation; outline, contour (of geographical features, etc.)*". This specifies that the details required to define a configuration must include part identification (in case several parts are geometrically identical) and geometrical arrangement of such parts.

The **Rules Committee** understand "Information on a **yacht's** measurement certificate shall include, (...), her [the **yacht**]:" to be the governing sentence, thus the items which follow should be read as:

CHALLENGER OF RECORD & DEFENDER

AMERICA'S CUP 36

- The **yacht's** name;
- The **yacht's hull** sail number and **hull IGES** reference;
- The **yacht's** builder(s);
- The **yacht's** owner(s);
- The **yacht's** measurement **yacht assembly** mass m_Y , and **longitudinal** centre of mass x_Y ; and
- The **yacht's foil, rudder** and **mast** configuration.

Using the OED definition of configuration, "The **yacht's foil, rudder** and **mast** configuration" becomes "*The yacht's arrangement of foil, rudder and mast in a particular form or figure; the form, shape, figure, resulting from such arrangement; conformation; outline, contour (of geographical features, etc.)*"

Because Rule 31.12 (f) is lacking detailedness on the scope of "configuration", the **Rules Committee** considers the definitions behind the three items **foil, rudder** and **mast** (in bold), provided by the rules.

Answers:

1. No, it refers to the configurations of each **foil, rudder** and **mast** for the purpose of compiling information for the **yacht's** measurement certificate.
2. Yes.
3. With regard to 31.12(f), the measurement certificate shall at a minimum include configurations described by identities and reference to their IGES Files and the files' SHA-512 authentications as follows:
 - a. **Foils**, where the IGES Files and their SHA-512 authentication will relate to IGES files of each **foil**, including the **foil arm, foil wing, foil flaps'** axis of rotation and **foil flaps** centred in the range of motion permitted by Rule 15.4.
 - b. **Rudder**, where the IGES File and its SHA-512 authentication will relate to an IGES file of the **rudder** upper and lower combined.

and by identities only:

- c. **Mast.**

END