

CHALLENGER OF RECORD & DEFENDER

AMERICA'S CUP 36

AC75 Procedure for Compliance 006 of AC75 Class Rule Version 1.2 issued 10th December 2018

This document is a procedure issued by the 36th America's Cup Rules Committee, as such, it may be amended at any time, in part or in full, to reflect improvements, clarifications, class rule amendments, or any other reason the Rules Committee deems appropriate.

In reading this procedure, AC75 Class Rule 2 and the definitions shall apply.

Rule Reference:

Rule 11.20 and 17.7

Procedure Annotation:

For demonstrating compliance with Rule 11.20 and 17.7, each **Competitor** shall conduct physical load tests on their fully assembled **yacht** in the presence of a witnessing member of the **Measurement Committee (MC)**, or an independent expert approved by the **MC**.

- A) Further to the definitions of Rule 11.20 and 17.7, the following conditions shall be fulfilled for or during the load tests:
1. The environmental conditions at the time of the tests are deemed to be of minor impact but may be subject to postponement if deemed to influence test results to a significant degree.
 2. The **yacht** shall be prepared for each test with no sails hoisted, no rigging loads other than those required in the rig plan and required for the test.
 3. Manning or crewing of the yacht during the test must not influence the test procedure nor the results of the tests and is subject to evaluation of the **MC**.
 4. Measurement devices shall be calibrated. Appropriate proof of calibration shall be demonstrated to the **MC**.
- B) The following specific requirements for each of the two tests are to be considered:
- Test according to Rule 11.20:
1. The test is a stiffness test, the result of this load test is a magnitude of hull torsional twisting angle.
 2. The measurement devices used for the test shall be approved by the **MC**. The twist angle shall be measured to a minimum accuracy of 0.1°.
 3. The test shall be performed with each side running backstay, with the twist measured in both directions. Each test must satisfy the Rule criteria.
 4. The measurement devices (e.g. inclinometers) shall be placed on rigid transverse beams, which are connecting two gunwale/sheerline splashes, each of a developed length in transverse and longitudinal direction of no more than 0.5m. The beam/splash assembly is supposed to provide a global twist angle measurement which is representative for the pertinent station. The placements of the splashes is subject to the approval of the **MC**.

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5. Depending on the measurement technology it might be required to have one person on board confirming the readings.

Test according to Rule 17.7:

6. This test is to be performed as a strength test.
7. Under the given loads, the bow sprit shall not break or deform permanently. The **MC** may require multiple loading if there are signs of deterioration during the first load test.

END
AC75 Rules Committee