

CHALLENGER OF RECORD & DEFENDER AMERICA'S CUP 36

Interpretation 061 of AC75 Class Rule Version 1.16 issued 30th September 2020

Rule References:

19.13 Except during (or immediately before or after) a change of the outermost set **headsail**, the outermost set **headsail** sheet may only be controlled by:

- (a) the rotary motion of a winch, controlling the length of the sheet, where:
 - (i) the winch may be self-tailing, but shall not be captive; and
 - (ii) the crew must unload a sheet from one winch and load the other sheet on to another winch to tack and gybe the **headsail**; and

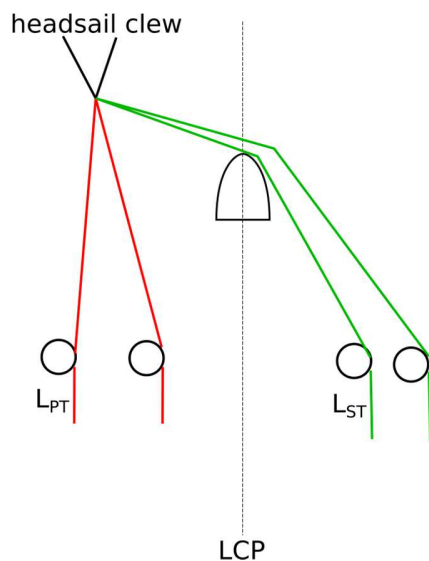
35.15 **Control function**

A permitted degree-of-freedom of motion, or deformation, of a **control surface**. All **control functions** of a **control surface** must be distinct from each other, with no significant overlap in their functionality, and that functionality must relate to a clear **control surface** motion or deformation. Examples include **rudder** rake rotation, **rudder** yaw rotation, and permitted sail controls such as **headsail** sheet, sheeting position, cunningham, and **mainsail** sheet, traveller, head twist, etc.

Interpretation 054; Interpretation paragraph D and answer 5

Context:

The system below is made of two winches on each side of the yacht used in a 2:1 tackle with two sheets to control the **headsail**.



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Questions:

1. If all winches are self-tailing ratchet winches, is this system rule compliant? If not which rule does it infringe?
2. If all winches are self-tailing backwinding winches, is this system rule compliant? If not which rule does it infringe?
3. If on each side one winch is self-tailing backwinding and the other self-tailing ratchet winch, is this system rule compliant? If not which rule does it infringe?
4. Do you comply with 19.13(a)(ii) if:
 - a. You remove all the coils from both winches on one side and put wraps on both winches of the other side to tack or gybe the headsail?
 - b. You remove all the coils from one winch on one side and put wraps on one winch on the other side to tack or gybe the headsail?
 - c. You remove two or more coils from all the winches on one side and add two or more coils on both winches on the other side to tack or gybe the headsail?
 - d. You remove two or more coils from one winch on one side and add two or more coils on one winch on the other side to tack or gybe the headsail?
 - e. You remove one coil from all the winches on one side and one coil on both winches of the other side to tack or gybe the headsail?
 - f. You remove one coil from one winch on one side and add one coil on one winch on the other side to tack or gybe the headsail?

Interpretation:

The arrangement shown has two winches controlling the length of each sheet. In Rule 19.13(a), 'a winch' is singular, therefore the **headsail** sheet may only be controlled by the rotary motion of a single winch.

Answers:

1. No.
2. No.
3. No.
4. a) through f): Not applicable, as the system itself does not comply with Rule 19.13(a). See interpretation section above.

END