

CHALLENGER OF RECORD & DEFENDER

AMERICA'S CUP 36

DRAFT AC75 CLASS RULE AMENDMENT #5 AMENDMENT UNDER RULE 33.1 b)

Amendment

AC75 Class Rule 10.1

Proposed amendment:

10.1 The mass of components and crew on an **AC75 Class Yacht** shall be:

Component	mass (kg)	x or u (m)	z or w (m)
...			
Yacht assembly: (x, y, z) frame	63056520	8.850-9.380	≤0.62
...			
Port foil	* 13851215		* Z_F
†Port foil arm stock	245464		
Port foil arm fairing/wing/flaps/systems	970921		
Starboard foil	* 13851215		* Z_F
†Starboard foil arm stock	464245		
Starboard foil arm fairing/wing/flaps/systems	970921		
†Foil arm heads-pins and bearings	16864	10.375- 11.665	0.6471
†FCS	362343.5	10.50-11.80	0.25
...			
Total	7785570- 7815600		

*Measured, †Supplied equipment, ‡Assumed

Amended language:

10.1 The mass of components and crew on an **AC75 Class Yacht** shall be:

Component	mass (kg)	x or u (m)	z or w (m)
...			
Yacht assembly: (x, y, z) frame	6520	8.85-9.38	≤0.62
...			
Port foil	*1385		* Z_F
†Port foil arm stock	464		
Port foil arm fairing/wing/flaps/systems	921		
Starboard foil	*1385		* Z_F
†Starboard foil arm stock	464		
Starboard foil arm fairing/wing/flaps/systems	921		
†Foil arm pins and bearings	64	10.37-11.66	0.64
†FCS	343.5	10.50-11.80	0.25
...			
Total	7785-7815		

*Measured, †Supplied equipment, ‡Assumed

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AC75 Class Rule 10.7

Proposed amendment:

10.7 Each foil shall be weighed and its centre of mass in a plane parallel to TRP shall be determined, including only the components defined as being part of the **foil** in Rules 13.1 and 13.2 (a). When **projected** on to a plane parallel to **TRP**, the distance from the **foil cant** axis to the centre of mass of:

- (a) a **foil arm stock** shall be ~~1.4171.204~~ m; and
- (b) a **foil** shall be at least ~~3.3752.942~~ m.

The **foil** vertical centre of mass z_F in the **platform assembly** shall be computed by orienting the **foil's** measured centre of mass at an angle at which the **foil** is canted to its lowest position.

Amended language:

10.7 Each foil shall be weighed and its centre of mass in a plane parallel to TRP shall be determined, including only the components defined as being part of the **foil** in Rules 13.1 and 13.2 (a). When **projected** on to a plane parallel to **TRP**, the distance from the **foil cant** axis to the centre of mass of:

- (a) a **foil arm stock** shall be 1.204 m; and
- (b) a **foil** shall be at least 2.942 m.

The **foil** vertical centre of mass z_F in the **platform assembly** shall be computed by orienting the **foil's** measured centre of mass at an angle at which the **foil** is canted to its lowest position.

AC75 Class Rule 11.16 b) iv)

Proposed amendment:

11.16 The enclosed volume of the **hull surface**, including the volumes required by Rule 11.8 must be watertight except for penetrations:

- ...
- (b) inside regions defined by cylinders of length 1.600 m and diameter 1.250 m centred on each **foil cant reference point** and whose axes are aligned with the **foil cant** axes, in order to permit **foil cant**, providing that the volumes inside the **hull surface** exposed by these penetrations shall:
 - ...
 - (iv) have a total combined volume of no more than ~~350-450~~ litres; and
 - ...

Amended language:

11.16 The enclosed volume of the **hull surface**, including the volumes required by Rule 11.8 must be watertight except for penetrations:

- ...
- (b) inside regions defined by cylinders of length 1.600 m and diameter 1.250 m centred on each **foil cant reference point** and whose axes are aligned with the **foil cant** axes, in order to permit **foil cant**, providing that the volumes inside the **hull surface** exposed by these penetrations shall:
 - ...
 - (iv) have a total combined volume of no more than 450 litres; and
 - ...

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AC75 Class Rule 13.2 a)

Proposed amendment:

13.2 For the purposes of Rules 5 and 10:

- (a) a **foil** does not include the ~~removable pins and bearings identified in the AC75 One Design Foil Arm Assembly drawing~~ ~~metal foil arm head, fasteners attaching the foil arm head to the foil arm,~~ any **foil arm drum**, or any other components inside the **hull IGES** that are disconnected from a **foil** when it is removed from the **yacht**;

Amended language:

13.2 For the purposes of Rules 5 and 10:

- (a) a **foil** does not include the removable pins and bearings identified in the AC75 One Design Foil Arm Assembly drawing, any **foil arm drum**, or any other components inside the **hull IGES** that are disconnected from a **foil** when it is removed from the **yacht**;

AC75 Class Rule 13.5

Proposed amendment:

13.5 The entire **foil wing and foil flaps** must lie between planes 10.000 m and 12.000 m forward of **TRP** ~~and the entire foil arm and foil systems must lie between planes 9.950 m and 12.000 m.~~

Amended language:

13.5 The entire **foil wing and foil flaps** must lie between planes 10.000 m and 12.000 m forward of **TRP** and the entire **foil arm and foil** systems must lie between planes 9.950 m and 12.000 m.

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AC75 Class Rule 13.8

Proposed amendment:

- 13.8 ~~No part of a foil, except the ODA Lower Belt Assembly and the ODA Head Assembly identified in the AC75 One Design Foil Arm Assembly drawing, may~~ ~~A foil must not~~ touch any part of the yacht except:
- (a) ~~the metal foil arm head and other parts of the FCS;~~
 - ~~(b) a foil arm drum;~~
 - (be) hydraulic connections for foil systems;
 - (ce) electrical and optical fibre connections; and
 - (de) the other foil, when both foils are in their lowest positions.

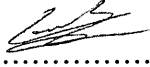
Amended language:

- 13.8 No part of a foil, except the ODA Lower Belt Assembly and the ODA Head Assembly identified in the AC75 One Design Foil Arm Assembly drawing, may touch any part of the yacht except:
- (a) a foil arm drum;
 - (b) hydraulic connections for foil systems;
 - (c) electrical and optical fibre connections; and
 - (d) the other foil, when both foils are in their lowest positions.

CHALLENGER OF RECORD & DEFENDER AMERICA'S CUP 36


AMENDED by the **Rules Committee** under AC75 Class Rule 33.1 b)

Rules Committee

Name Carlos de Beltrán Gutiérrez (Rules Committee Representative)
Signature  Date 31 May 2019

WITH the agreement of **COR/D** and the **Regatta Director**:

Emirates Team New Zealand

Name DAN BERNASCONI (Defender Representative)
Signature  Date 4 JUNE 2019

Luna Rossa Challenge

Name (Challenger Representative)
Signature Date

Regatta Director

Name
Signature Date

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AMERICA'S CUP 36

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Rules Committee

Name Carlos de Beltrán Gutiérrez (Rules Committee Representative)

Signature  Date 31 May 2019

WITH the agreement of **COR/D** and the **Regatta Director**:

Emirates Team New Zealand

Name (Defender Representative)

Signature Date

Luna Rossa Challenge

Name MAX SIRENA (Challenger Representative)

Signature  Date 03-06-2019

Regatta Director

Name

Signature Date

CHALLENGER OF RECORD & DEFENDER AMERICA'S CUP 36

AMENDED by the **Rules Committee** under AC75 Class Rule 33.1 b)

Rules Committee

Name Carlos de Beltrán Gutiérrez (Rules Committee Representative)

Signature  Date 31 May 2019

WITH the agreement of **COR/D** and the **Regatta Director**:

Emirates Team New Zealand

Name (Defender Representative)

Signature Date

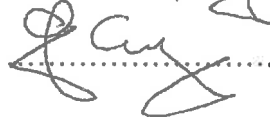
Luna Rossa Challenge

Name (Challenger Representative)

Signature Date

Regatta Director

Name John Craig

Signature 

Date June 07 / 2019