

# CHALLENGER OF RECORD & DEFENDER

## AMERICA'S CUP 36

### AC75 CLASS RULE AMENDMENT #7 UNANIMOUSLY AGREED AMENDMENT

#### AC75 Class Rule 6.11

##### Proposed amendment:

6.11 Where certificates are required for a category in Rule 6.4, **Competitors** must submit copies of material certificates for each roll of fibre used for that category, together with a declaration that all components of that category only used fibre for which certificates have been supplied. It is not necessary to submit documentation indicating which rolls of material have been used in each individual part. As an exception to the requirements listed in Rule 6.4, material certificates are not required for FRP for which the only fibre content is glass fibre.

##### Amended language:

6.11 Where certificates are required for a category in Rule 6.4, **Competitors** must submit copies of material certificates for each roll of fibre used for that category, together with a declaration that all components of that category only used fibre for which certificates have been supplied. It is not necessary to submit documentation indicating which rolls of material have been used in each individual part. As an exception to the requirements listed in Rule 6.4, material certificates are not required for **FRP** for which the only fibre content is glass fibre.

#### AC75 Class Rule 9.1

##### Proposed amendment:

9.1 Except as permitted in Rules 9.5 and 9.6, the outermost layer of the hull, foils excluding foil systems controlled by Rule 13.3, and rudder must be either:

- (a) a commercial product approved by the Rules Committee according to Rule 8, who shall only approve paints that are comparable to those on the list provided in Rule 8.6; or
- (b) an unpainted steel surface.

~~and rudder must be a commercial product approved by the Rules Committee according to Rule 8, who shall only approve paints that are comparable to those on the list provided in Rule 8.6.~~

##### Amended language:

9.1 Except as permitted in Rules 9.5 and 9.6, the outermost layer of the **hull, foils** excluding **foil** systems controlled by Rule 13.3, and **rudder** must be either:

- (a) a **commercial product** approved by the **Rules Committee** according to Rule 8, who shall only approve paints that are comparable to those on the list provided in Rule 8.6; or
- (b) an unpainted steel surface.

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### AC75 Class Rule 12.9

#### Proposed amendment:

12.9 Apart from permitted movement of **foils**, **foil arm drums** and **control surfaces**, parts of the **yacht** shall only move or be moved:

- (a) to control movement of a **control surface**;
- (b) ~~as hand-held devices whose only purpose is to house **passive input devices** and/or **crew indication devices** in preparation of controlling a **control surface** (e.g. setting a **headsail** car prior to hoisting; turning an unloaded winch to check it is connected to a drive train; charging an accumulator);~~
- (c) ~~in preparation of controlling a **control surface** (e.g. setting a **headsail** car prior to hoisting; turning an unloaded winch to check it is connected to a drive train; charging an accumulator) to~~ ~~organise rigging or deck gear after controlling a **control surface** (e.g. stowing sheets; stowing a winch handle; zipping closed a sail cover);~~
- ~~(d)~~ (d) to organise deck gear after controlling a **control surface** (eg. stowing a winch handle; zipping closed a sail cover);
- ~~(e)~~ (e) within the **FCS**;
- ~~(f)~~ (f) to open or close access panels (which must not be into the **hull**);
- ~~(g)~~ (g) as part of a drainage flap permitted by Rule 11.17;
- ~~(h)~~ (h) as part of a simple mechanical wind indicator that has no purpose other than indicating the apparent wind direction;
- ~~(i)~~ (i) as part of electrical systems, including mechanical systems used to connect position or angle sensors (e.g. a cooling fan, a bilge pump, a wind indicator, a line or quadrant connecting a string potentiometer to part of a control system or **control surface**) within electrical systems (e.g. a cooling fan, a bilge pump or a wind wand); or
- ~~(j)~~ (j) to seal penetrations into the **hull**, e.g. by means of a flexible boot, provided such parts move only as a result of permitted **control surface** movements and have no purpose other than preventing water ingress;
- ~~(k)~~ (k) as hydraulic hoses and electrical cables moving as the result of the permitted movement of a component (e.g. a hose whose movement follows the displacement of a ram attached to a boom);
- ~~(l)~~ (l) as slack rigging or **woollies**;
- ~~(m)~~ (m) for safety reasons; or;
- ~~(n)~~ (n) as the result of an unintended breakdown, as determined by the **Measurement Committee**.

#### Amended language:

12.9 Apart from permitted movement of **foils**, **foil arm drums** and **control surfaces**, parts of the **yacht** shall only move or be moved:

- (a) to control movement of a **control surface**;
- (b) as hand-held devices whose only purpose is to house **passive input devices** and/or **crew indication devices**;
- (c) in preparation of controlling a **control surface** (e.g. setting a **headsail** car prior to hoisting;

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- turning an unloaded winch to check it is connected to a drive train; charging an accumulator);
- (d) to organise deck gear after controlling a **control surface** (eg. stowing a winch handle; zipping closed a sail cover);
  - (e) within the **FCS**;
  - (f) to open or close access panels (which must not be into the **hull**);
  - (g) as part of a drainage flap permitted by Rule 11.17;
  - (h) as part of a simple mechanical wind indicator that has no purpose other than indicating the apparent wind direction;
  - (i) as part of electrical systems, including mechanical systems used to connect position or angle sensors (e.g. a cooling fan, a bilge pump, a wind indicator, a line or quadrant connecting a string potentiometer to part of a control system or **control surface**);
  - (j) to seal penetrations into the **hull**, e.g. by means of a flexible boot, provided such parts move only as a result of permitted **control surface** movements and have no purpose other than preventing water ingress;
  - (k) as hydraulic hoses and electrical cables moving as the result of the permitted movement of a component (e.g. a hose whose movement follows the displacement of a ram attached to a boom);
  - (l) as slack rigging or **woollies**;
  - (m) for safety reasons; or
  - (n) as the result of an unintended breakdown, as determined by the **Measurement Committee**.

### AC75 Class Rule 12.10

#### Proposed amendment:

12.10 Other than the movement of **foils** or **control surfaces**, movement of parts of the **yacht** permitted by Rule 12.9 shall have no significant effect on:

- (a) aerodynamic loads;
- (b) hydrodynamic loads; ~~or~~
- ~~(c)~~ (c) the centre of mass of the **yacht**; or
- ~~(d)~~ (d) the angular momentum of the **yacht**.

#### Amended language:

12.10 Other than the movement of **foils** or **control surfaces**, movement of parts of the **yacht** permitted by Rule 12.9 shall have no significant effect on:

- (a) aerodynamic loads;
- (b) hydrodynamic loads;
- (c) the centre of mass of the **yacht**; or
- (d) the angular momentum of the **yacht**.

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### AC75 Class Rule 12.11

#### Proposed amendment:

12.11 When viewed from above and orthogonal to MVP, neither the crew nor the guest racer shall be covered at any time by any part of the **yacht** except:

- (a) ~~by the mast or~~; sails ~~and-or~~ rigging;
- (b) ~~by hand-held movable devices whose only purpose is to house passive input devices and/or crew indication devices, and these devices are not designed to provide aerodynamic fairing of the crew;~~
- (c) ~~, or occasionally~~ by other components, provided that the total area of cover per person, projected to MVP, does not exceed 0.025m<sup>2</sup> ~~only a small part of any crew member is covered~~, and this covering is not designed to provide aerodynamic fairing of the crew; ~~or~~
- ~~(a)(d)~~ if this happens accidentally and no more than occasionally.

#### Amended language:

12.11 When viewed from above and orthogonal to MVP, neither the crew nor the guest racer shall be covered at any time by any part of the **yacht** except:

- (a) by the **mast** or sails or rigging;
- (b) by hand-held movable devices whose only purpose is to house **passive input devices** and/or **crew indication devices**, and these devices are not designed to provide aerodynamic fairing of the crew;
- (c) by other components, provided that the total area of cover per person, **projected to MVP**, does not exceed 0.025m<sup>2</sup>, and this covering is not designed to provide aerodynamic fairing of the crew; or
- (d) if this happens accidentally and no more than occasionally.

### AC75 Class Rule 14.5

#### Proposed amendment:

14.5 No modification of a **foil arm stock** is permitted, except for:

- (a) the surface finish (sanding, use of non-structural filler and painting as permitted in the **foil arm stock** specification);
- (...)

#### Amended language:

14.5 No modification of a **foil arm stock** is permitted, except for:

- (a) the surface finish (sanding, use of non-structural filler and painting as permitted in the **foil arm stock** specification);
- (...)

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### AC75 Class Rule 14.7

#### Proposed amendment:

- 14.7 **Foil arm fairings** shall not be capable of transmitting any significant bending, shear or torsional loads between the **foil wing** and the **foil arm**.

#### Amended language:

- 14.7 **Foil arm fairings** shall not be capable of transmitting any significant bending, shear or torsional loads between the **foil wing** and the **foil arm**.



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Acceptance of this **AMENDMENT** for:

### Emirates Team New Zealand

Name ..... (Defender Representative)

Signature ..... Date .....

### Luna Rossa Challenge

Name MAX SIRENA ..... (Challenge Representative)

Signature  ..... Date 18-10-2019 .....

### NYYC American Magic

Name ..... (Challenge Representative)

Signature ..... Date .....

### Ineos Team UK

Name ..... (Challenge Representative)

Signature ..... Date .....

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Signature ..... Date .....

### NYYC American Magic

Name Terry Hutchinson ..... (Challenge Representative)

Signature *Terry Hutchinson* ..... Date .....

### Ineos Team UK

Name ..... (Challenge Representative)

Signature ..... Date .....



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### NYYC American Magic

Name Terry Hutchinson ..... (Challenge Representative)

Signature *Terry Hutchinson* ..... Date .....

### Ineos Team UK

Name ..... (Challenge Representative)

Signature ..... Date .....

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Name ..... (Defender Representative)  
Signature ..... Date .....

### Luna Rossa Challenge

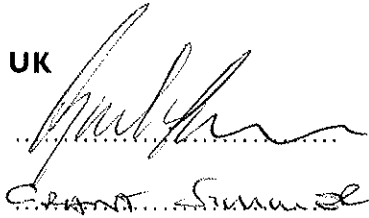
Name ..... (Challenge Representative)  
Signature ..... Date .....

### NYC American Magic

Name ..... (Challenge Representative)  
Signature ..... Date .....

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# 7

### Ineos Team UK

Name ..... (Challenge Representative)  
Signature  ..... Date 22 - 10 - 19