

Questions / answers Class Rules 2014

1. **Can I use fluorescent pink paint on the deck (1m²) and on appendages (keel and rudders) to comply with safety requirements?**

The Appendix to Class Rules states: (ACR 3) The sail number (without its national letters) shall be inscribed once on the deck (minimum height of number to be 450 mm) and once on each side of the hull (minimum height of number to be 650 mm), and highly visible.

My understanding of “highly visible” is a colour **in clear contrast to the rest of the deck or the hull**.

OSR Cat 1, **4.02.1b** “To assist in SAR location “each yacht is **recommended** to show **at least 1m² of fluorescent pink or orange or yellow colour** as far as possible in a single area on the coachroof and/or deck where it can best be seen”.

OSR cat 1, 4.02.3: “Each yacht is **recommended** to show on each underwater appendage **an area of highly-visible colour**”.

In my experience, Organisers sometimes specify in the Notice of Race that boats **must apply OSR 4.02.1b and 4.02.3 instead of recommending them**.

To conclude:

I advise you to follow your wish to use fluorescent pink paint on the appendages (keel and rudders) and on the deck to comply with safety requirements and ensure that **the boat’s sail number can be inscribed in a highly visible manner** in the middle of the fluorescent pink 1m² on the deck, as **per ACR 3**.

2. **For the new artwork of the boat, the number is inscribed on the hull in front of the mast but not at the bow. There are other boats like this too and it doesn’t seem to be a problem. Can you clarify this point for us?**

The Appendix to Class Rules states: (ACR 3) The sail number (without its national letters) shall be inscribed once on the deck (minimum height of number to be 450 mm) and once on each side of the hull (minimum height of number to be 650 mm), and highly visible.

The number inscribed on the hull shall be within the forward third of the boat. All boats must comply with this rule by 1st May 2014.

3. **What are the constraints on the name + flag nationality on the coachroof?**

The Appendix to Class Rules doesn’t specify anything about size or font for the skipper’s name on the coachroof. Nor is there a ban on putting the sponsor’s logo next to it.

4. Is there a text imposing a minimum height for the radar antenna unit? If so, what is it?

There is no height specified for the radar antenna unit, except for Cat 0 races, for which the minimum height is 7 metres above the water (OSR 3.29.1(I)).

A radar is compulsory only:

- In Cat 0 of the OSR, from this year (OSR 3.29.1.I)
- In division 244 of the French regulation: for “traditional” ships of more than 24 metres in length and with a capacity to transport more than 30 adults. D 244.4.10.

In these texts, there is nothing about height and nothing about radars in divisions 240, 241, 242, 243, nothing in the COLREGs...

A radar is not required to obtain a measurement certificate.

If it is in place on the boat for weighing and for the 90° test, its location and height are recorded on the certificate and it must remain in this location and at this height for the entire duration of validity of the certificate.

5. Outrigger: can a spinnaker pole be considered as an outrigger? Difference between spinnaker pole and outrigger... What is an outrigger, which definition applies?

An outrigger is defined in RRS 50.3 (a).

6. Do we have to understand from rule 2.10 that a boat which anchors in a race, even to protect itself from adverse current (race strategy) must stop for 12 hours minimum?

This wording is indeed restrictive concerning anchoring; however, given that RRS 45 allows a boat to anchor, it seems to me that a Race Director and/or Jury, cannot compare anchoring with a technical stop.

Current practice is that a boat can anchor without providing a reason: current, lack of wind or to effect a repair. The skipper should be careful to note the position and time(s) spent at anchor in case of protest.

To avoid any dispute, it is recommended that the Jury be asked for an interpretation before the start of a race.

7. I have a doubt concerning the renewal of the measurement certificate. I'm not sure if the change of position of the keel (my boat has 2 positions) must be notified. Class Rules say only that a single configuration per year is allowed.

The position of the keel is not recorded on the measurement certificate; the modification of the position of the keel doesn't require new measurement.

However, I confirm that the position of the keel must not be changed during the calendar year. I would like you to send us photos taken of the keel bolts inside the boat so that we can verify there are no modifications during the year.

8. Is fluorescent paint mandatory to race the Trophée SNSM?

OSR Cat 1: fluorescent paint is only recommended.

9. OSR 3.27.4: Reserve Navigation lights: could you please give me a type or model allowed?

You could either have a second source of power for your main navigation lights or you could install another set of navigation lights above or below the main ones.

10. OSR 4.15: Emergency steering and alternative methods of steering: are two rudders not enough? Do we have to install emergency steering?

Not necessary as you have two rudders.

11. COLREG 30: Anchoring ball

You'll find one in any ship chandlery. To be exhibited when anchored.

12. COLREG 25: motoring cone

You'll find one in any ship chandlery. To be exhibited when motoring.

13. Are we allowed to use Lithium batteries?

Lithium batteries are forbidden (CR 407)

14. Is a steaming light mandatory?

If we consider that it is above all a sailing vessel and not a power-driven vessel, COLREG 25e) imposes only a conical shape in the case of a vessel proceeding under sail when also being propelled by machinery.

15. Can lateral navigation lights be installed on pushpits?

Everything is detailed in OSR 3.27

16. Radar is not mandatory in Class40. The Notice of Race of la Route du Rhum requires it, but doesn't say where and what height. If the boat has been measured without radar, we can put it where we want: on the pushpit, on the deck or inside the boat. Could explain the class's position?

A radar is not required to obtain a measurement certificate.

If it is in place on the boat for weighing and for the 90° test, its location and height are recorded on the certificate and it must remain in this location and at this height for the entire duration of validity of the certificate.

A radar is compulsory only in Cat 0 of the OSR, (OSR 3.29.1.I) and the radar antenna unit must be installed at a height of 7 metres.

The only radar antenna unit height previously specified in Class40 was for the GOR, where the height was reduced from 7 metres to **4 metres** minimum above the water, **on the mast**, which is much more suitable for a Class40

These are the recommendations of the class for any new installation.

17. Is the HB of the Solent always measured? If so, I can't find the maximum value in the 2014 Class Rules. If not, how is JL determined (the top of the sail or where the continuation of the leech and luff meet)?

There is no HB measure for the headsails.

JL is measured between the halyard point and the tack point. See the definition in the ERS.

18. In reviewing the 2014 rule we are concerned by the statement in rule 205. From 1m aft of the stem to 0.5m forward of the stern, the sheer must be a continuous line with a minimum radius of 2m in the profile view.

Obviously we will be presenting our initial design concept to you but to avoid any delays we would like clarity on the above statement in red and underlined. It is impossible to draw the sheer with a radius of 2m in the profile view and we are assuming there may be a mistake in the wording of this part of the rule, is there an error here or is this is what it is meant to say? If this is what it is meant to say could we have an explanation as to what the intention is with having this written this way?

The curve of the sheerline, if it exists, must have a radius greater than 2 meters.

19. Are the Optolamp Amazonia Mirim masthead navigation lights approved? Some Class40s use only a single group of batteries for engine and service at the same time. Is it validated by the Class40?

The technical characteristics of the above-mentioned nav lights:

Height of the light: 135mm

Base: 60x80mm

Weight: 265gr

Diameter: 60 mm

Consumption UBC: 0,126A to 0,156A

TDPS – True Dual Power Supply

Supply: 10.6V to 14,4V. Option: 24V with converter.

Horizontal range: 2 miles

Vertical range: up to 4.3 miles

Automatic on-off switch (light comes on in case of bad weather and switches off during the day)

Led: minimum 50000 hours

A switch with a selection of different modes is supplied with the light.

As for batteries, the engine battery has to have a maximum power of 60 a/h (CR 201) while the service batteries are often bigger.

However, there is nothing to stop someone from connecting the engine battery with the service batteries, but I don't see the point.

20. A fluorescent surface of minimum 1m2 seems to be compulsory for the Route du Rhum but I can't find this obligation in the Class Rules.

See question 1. It can be compulsory when required by the Notice of Race

21. No part of the mainsheet traveller track can be further than 1.25 m from this aftermost point (dispensation for boats launched prior to the 31st of January 2007). Question: Which 'aftermost point' in the red underlined text above does this refer to?
A. Is it the aftermost point to determine LH? Or B. Is it the aftermost part of the boom ?

The aftermost point to determine LH

22. If we use a jet boil for cooking, are we allowed to remove the fixed stove?

There is nothing banning a Jet Boil. (OSR 3.20)

23. Can we place the anchoring equipment wherever we want in the boat?

There is no one compulsory spot for the anchoring equipment, but the Class Rules specify that it must be stored in a location planned for that purpose.

24. Can you confirm if the Class 40 rules require us to paint the top of the mainsail orange? I understand that this is necessary if we do not carry a trysail onboard.

The Class 40 rules don't require you to paint the top of the mainsail orange
The OSR 4.26.2.b) just recommends (rather than requires) a high visibility colour for the trysail.

25. Is the storm trysail mandatory?

Class Rules 103.01.

26. My boat is equipped with 2 tillers. To improve the ergonomics, I am going to add two U-shaped handles. The person who is going to make these has loads of pultruded carbon tubes in stock, and suggested using some for the handles. Is there a reason not to use carbon for handles glued to the tillers (which are glass)?

After discussion between the measurers, and reading the Class Rules (407), we do not authorise the installation of handles made out of carbon for the tillers.

27. I wish to install an emergency wind sensor. Not at the top of the mast but on the pushpit. This wind sensor will only be installed if the main one fails. To have a good rigidity, I plan to make the pole out of a pultruded carbon tube sold on the internet to extend and add height to the current support which would be too close to the sea. ... NKE wind sensors all have carbon wands which are authorised by the Class Rules (they equip a lot of boats). I am asking for permission to use a tube made out of carbon of about 1.0 m length.

After discussion between the measurers, and reading the Class Rules (407), we do not authorise the use of a carbon pole.