



Questions you may have (09.08.2019)

Q1: I am a recent college graduate in Naval Architecture, and I have just started to work for a boat building company. The company does in-house design for their motorboats up to 65 feet, but it is not a part of my role in the company. Does this disqualify me under the section of the rules involving working in a Yacht design studio?

A1: Unfortunately, if you are receiving a salary from a design studio then you are unable to enter the competition.

Q2: I just found out that my company will be closing the design office where I work and I will be losing my job, would I be eligible after I have left the company?

A2: No, if you have been employed for financial gain in a Design Studio at any time you are unable to enter the competition.

Q3: Are we going to be given a 3D autoCAD file to import into Rhino?

A3: No 3D AutoCAD drawings will be provided. You may, however, create your own 3D file using the given materials.

Q4. Can I completely cut the bow and replace it with one of a completely different shape, thus changing the water line and the main characteristics (length) of the hull or the modification of the bow only concerns the part that is outside water and therefore means small changes? In simple terms, can I change the present slender bow to a vertical bow?

A4. Yes, you may replace the bow and stern with totally new designs, and while you may change the waterline length (LWL) you may not change the overall length (LOA) of the yacht. You may, therefore, create a design with a vertical bow should you wish. Please note, however, that for the purposes of this competition, such changes will not affect the interior volume for the areas which you are asked to design. These areas, which are shown in White on the general arrangement drawing, remain fixed and any additional volume which your design may provide becomes a 'Yellow shaded area' which you are not permitted to change.

Q5. At lower aft deck, can the hull (garage) door on sides be opened downwards and used as a balcony or this change is not permitted?

A5. Firstly, you should not assume that the 'traditional' layout (with a tender garage at the aft end of the lower deck) has to be maintained. The text of the Task stresses that you should approach this task with an open mind as regards the general arrangement plan and design your layout with an eye on future trends. Having said that, the doors may open either upwards or downwards, but you should bear in mind that, should you wish to position one or more tenders in this compartment, a downwards opening door means that tender launching is technically more difficult because the crane must reach considerably further outboard.

Q6. Is it possible to change the design of the rounded windows on hull, make them look like one single piece of glass and narrower?

A6. Such a move would require approval from the builder's naval architects who would also have to cost this change. If you wish to make such a change you should show the old port lights overlaid with your design proposal and make it clear to the client that this is an 'alternative design for his consideration' that would be subject to approval and costing - and one which could be more costly.

Q7. Is it possible to change the bow making it 'straight or upside down' bow? Or are we supposed to slightly modify some patterns or lines without modifying the overall length of the yacht

A7. You may design any bow shape you wish, and while the waterline length (LWL) may be modified, the overall length (LOA) of the vessel must remain the same. Please note, however, that for the purposes of this competition, such changes will not affect the interior volume of the areas which you are asked to design. These areas, which are shown in White on the general arrangement drawing, remain fixed and any additional volume which your design may provide becomes a 'Yellow shaded area' which you are not permitted to change.

Q8. In the stern area, can I modify the aft folding platform or even remove it? I.E.: to create a beach area without adding length to the yacht.

A8. Yes. You may remodel the stern as you wish but, as in the answer A7, above, the LOA of the yacht must remain unchanged.

Q9. Regarding paragraph 3.c: is it possible to modify the lengths and widths of the superstructures? Or should the lengths of the superstructure always remain the same, making only minor design changes?

A9. The length and width of the enclosed superstructure should remain the same, except for minor cosmetic changes, and to create additional deck space on surfaces that might, formerly, have been sloping.

Q10. According to the GA provided by you, the yellow areas should remain void or I am supposed to fill them (2D)?

A10. The yellow areas should remain void.

Q11. In the longitudinal section of the GA, the Emergency Generator can be relocated, so can this area be used as a new living area either interior or exterior or can be relocated to change the shape of the funnel, so affect the external design?

A11. As currently designed, this area has not been utilized for any purpose other than for the Emergency Generator. Should you wish to make use of it for any purpose, adequate volume on this level must be allocated to an emergency generator compartment.

Q12. Relating to Paragraph 6.a. In respect of the three renderings required for the exterior design, may I draw using Photoshop and a tablet by hand ? Or its only for marker, pencils etc.

A12. You may use any digital design program to create two of the renderings, but the third must be drawn entirely by hand without the use of any digital assistance, such as Photoshop and a tablet. Markers, pencils or other hand-held means are the only drawing tools permitted for this third rendering.

Q13. Relating to Paragraph 6.c. For the interior is it sufficient to make 1 environment for the renderings etc.?

A13. Yes, you only need to create an interior design for one compartment, but preferably one that connects to and includes an open deck area at the exterior of the yacht.

Q14. Can I remove /or/ change the shape of exterior Fashion Plate?

A14. Yes, you may change or add exterior fashion plates, providing that these do not enclose any volume that would increase the footprint of the superstructure shown in the drawings.

Q15. How many guests does the boat have to accommodate?

A15. As stated in Paragraph 2 of the Task document, 'the owner is unsure of what he requires because of his inexperience with Superyachts' while the same paragraph your boss tells you that he 'thinks highly of you, and particularly your ability in anticipating new trends in Superyacht design'. From this information and from what Paragraph 5 tells you about the yacht's owner, you will have to decide the vessel's layout and the make-up of its accommodation.

Q16. Should the yellow areas be designed as well, or can I leave them empty?

A16. You are not required to design the content or layout of the yellow areas, which should be left blank in your design.

Q17. Can I change the shape of the bow (from the actual shape to a straight one for example).

A17. Yes, you are free to change the shape of both the bow and stern but in doing so you may not change the overall length (LOA) of the vessel.

Q18. Project 2020 has been given a length of 87.00 meters on the general arrangement. But when I was working in AutoCAD it turned out the yacht only has a length of 86.00 meters. So, have I made a mistake while I was working in AutoCAD, or there is a mistake on the GA?

A18. Indeed, the exact length is: 86.8m. It's not a mistake, it was rounded up to 87m.

Q19: I am a little confused with some of the GA. Some of the walls that would be entries into other rooms do not have doors on them. For example, the main entrance on main deck, the aft of the main deck, the upper lobby into the aft room etc. There appears to be doors for the crew access staircase though – I am confused.

A19: Of course, there will have to be doors to give access to the areas that you mention but placing them is part of your task. As the Task document (I hope you have read this) states: 'You may, however, insert new bulkheads to sub-divide the spaces on this drawing, and insert suitable openings to modify the access to these areas, be they internal or through-hull openings. Existing openings may also be closed off.'

Q20. Do the fixed non-movable areas include things such as, tender garage or is that part of the beach club?

A20. The areas that you are not required to design are: Crew living and working areas, including the Galley; Machinery and Technical spaces; Storerooms; and the Pilothouse. They do not include a tender garage, should you wish to include one in your design.

Q21. Am I correct in assuming that the galley is currently in the shaded area of the lower deck and is non-movable, or could it be relocated?

A21. The Galley does lie within the yellow shaded areas, but you are at liberty to relocate it, however, if you choose to do this you may not use the space that it vacates for a guest area that you might be expected to design.

Q22. The brief doesn't specify the number of cabins that should be included, although we are told that the new owner 'likes to party with his friends'. Does that mean a standard 6 cabin layout should be implemented to allocated as many people as possible?

A23. The number of cabins to be included in your design has been left for you to decide.

Q24. How much of the yacht's external shape can be changed and to what degree, or should the profile be left mainly unchanged mid ship?

A24. The Task is clear in suggesting that the owner will accept 'minor cosmetic changes' intended to modernize the superstructure and make better use of the deck spaces, including the creation of new deck spaces from formerly sloping areas of superstructure. The degree of change is left in your hands as a designer - too costly modifications without clear benefit are likely to be rejected, while too few modifications may not sufficiently 'modernize' the look of the vessel.

Q25. In respect of the suggestion included in the Task that the refit of the yacht might include environmental measures, does this indicate that the engines should be changed for specific hybrid models.

A25. No, the Task does not imply this, but it suggests that you might be able to recommend environmental improvements within the owner's modest cost expectations.

Q26. Can we change the color of the hull & superstructure?

A26. Yes.

Q27. Can we change some details on hull like the shape of the windows etc.?

A27. Paragraph 3.b. of the Task document deals with this. In brief, the answer is 'Yes, you may change the shape of the windows as this would be considered a 'minor change'.

Q28. If I'm going to put a handrail on bow and also some details like solar panels, it might be a problem?

A28. All of these would be considered 'minor changes' so you may incorporate them.

Q29. The task allows us to change the superstructure, but I would like to know how far can I go?

A29. It is up to you to interpret 'minor changes. For instance, creating a new deck area from a formerly curved portion of the superstructure, or changing the fashion plates would be considered minor, but the complete replacement of, say, the bridge deck superstructure would be a step too far. If you are in any doubt you are free to seek advice, and your proposals will not be shared with other competitors.

Q30. May I add a tender crane at the bow?

A30. Yes

Q31. May I change the form of the windows if this change modifies the superstructure shape?

A31. Yes, you may change the same of the windows and, indeed, the shape of the superstructure itself, providing that you do not modify the footprint (plan view) of the individual decks that you were given in the general arrangement plan

Q32. May I use part of the highest deck where are located the antennas as a sundeck?

A32. You may not use the raised element below the domes and radars as this contains AC plant and the emergency generator, but the text of the Task does allow you to make a deck out of the sloping area forward should you wish

