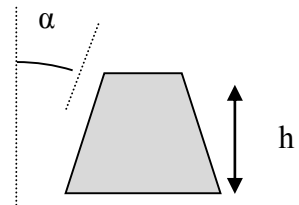


**National Marine Manufacturers Association**  
**Product Compliance Specialist Examination**  
**Ladders, Handholds & Rails (2015 MY)**  
**ABYC H-41 (09)**

1. Which of the following are within the scope of H-41:
  - a. Manual propelled boats
  - b. Pontoon boats
  - c. Canoes & kayaks
  - d. All of the above
  
2. Static Float Position is determined by:
  - a. including permanently installed options and fuel
  - b. including all normal portable and safety gear
  - c. including all permanent equipment, including water, waste, and fuel tanks full
  - d. all of the above
  
3. A vessel Underway, as defined under H-41, could be:
  - a. a vessel aground
  - b. a vessel anchored
  - c. a vessel adrift
  - d. a vessel secured to a dock
  
4. A label warning of propeller proximity shall be affixed in the vicinity of:
  - a. steering stations and mechanical compartments
  - b. swim and diving platforms
  - c. steering stations and the transom reboarding area
  - d. owner's manual only
  
5. A label warning of CO danger shall be displayed in the vicinity of:
  - a. Aft reboarding areas of a gasoline powered vessel, with a swim platform or reboarding ladder
  - b. the steering stations of a gasoline vessel
  - c. The cabin
  - d. A and C

**National Marine Manufacturers Association**  
**Product Compliance Specialist Examination**  
**Ladders, Handholds & Rails (2015 MY)**  
**ABYC H-41 (09)**

6. The type of vessel that is exempt from the steering station propeller proximity label is a
- a. Pontoon boat
  - b. Vessel under 20-feet
  - c. Electric powered vessel
  - d. Tiller steered vessel
7. Which of the following is an acceptable installation for the outside periphery of a flybridge?
- a. A liferail at least 30-inches above the deck
  - b. Seatbacks at least 30-inches above the deck
  - c. Coamings or other structures at least 24-inches above the deck
  - d. All of the above
8. Under H-41, which of the following would not be considered a companionway
- a. A ladder leading to an enclosed flybridge
  - b. A staircase leading to an enclosed flybridge
  - c. A windshield pass through from a cockpit to a forward deck, not intended to be used while underway
  - d. A staircase leading from a cockpit to an enclosed salon compartment
9. The rail to the right has the following dimensions:  
h (height) = 1-inch,  $\alpha$  (inboard face) =  $35^\circ$ .  
Does it meet the requirements for a toe rail under H-41?



- a. Yes
- b. No

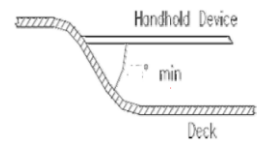
**National Marine Manufacturers Association**  
**Product Compliance Specialist Examination**  
**Ladders, Handholds & Rails (2015 MY)**  
**ABYC H-41 (09)**

10. Which of the following meets the requirements for a pipe or tubing grab rail or handhold device:

- a. round tubing with a 1-inch diameter
- b. irregular shaped tubing with a circumference of 2.0-inches
- c. round tubing with a 2.5-inch diameter
- d. all of the above

11. The angle on the handhold device (right) shall not be less than:

- a. 45-degrees
- b. 65-degrees
- c. 35-degrees
- d. No requirements as long as it meets the load and torque tests



12. A handhold is not required if the seat:

- a. is at the helm
- b. is a Type A seat
- c. is at the end of a 3 person seat
- d. Both a & c

13. If the structural elevation change to a companionway is greater than \_\_\_\_\_, a ladder or steps should be provided.

- a. 19.7 inches
- b. 16 inches
- c. 14.5 inches
- d. 12 inches

14. Pipe or tubing handholds and grab rails shall have a diameter of no less than:

- a. 1/2" nor more than 2"
- b. 3/4" nor more than 1 1/2"
- c. 3/4" nor more than 1"
- d. 1/2" nor more than 1 1/2"

**National Marine Manufacturers Association**  
**Product Compliance Specialist Examination**  
**Ladders, Handholds & Rails (2015 MY)**  
**ABYC H-41 (09)**

15. Ladder rungs and steps shall be:
- a. equidistant
  - b. equidistant within 0.125 inches
  - c. equidistant within 0.25 inches
  - d. equidistant within 0.50 inches
16. Handhold devices or grab rails to aid in climbing shall be:
- a. Provided with the ladder or steps
  - b. Installed on adjacent structure
  - c. A or B
  - d. None of the above
17. The strength of the reboarding means must withstand:
- a. downward static load of 350 lbs distributed over 4-inches
  - b. downward static load of 400 lbs distributed over 4-inches
  - c. static load of 350 lbs in any direction at any point
  - d. static load of 400 lbs in any direction at any point
18. The minimum height of a lifeline or deck rail must be:
- a. 18 inches
  - b. 22 inches
  - c. 24 inches
  - d. 26 inches
19. Which of the following must be tested to withstand a 400-pound (182kg) load, in any direction, at any point, along their length without failure such that they can no longer perform their intended purpose?
- a. a handhold.
  - b. a lifeline
  - c. a ladder
  - d. both a and c

**National Marine Manufacturers Association**  
**Product Compliance Specialist Examination**  
**Ladders, Handholds & Rails (2015 MY)**  
**ABYC H-41 (09)**

20. The maximum spacing between lifeline stanchions shall not exceed:
- a. 72 inches
  - b. 82 inches
  - c. 84 inches
  - d. 94 inches
21. The following is required to be equipped with a designated handhold device:
- a. a single Type A seat
  - b. a Type B seat
  - c. the center position of a Type A bench seat that accommodates more than 3 persons
  - d. all of the above
22. On a companionway ladder, the step spacing shall not be in excess of :
- a. 12 inches
  - b. 14 inches
  - c. 16 inches
  - d. 19.7 inches
23. A means of unassisted reboarding can be:
- a. a device that requires assistance from a person on the boat
  - b. a ladder which must be deployed from inside the boat prior to getting in the water
  - c. a swim platform ladder that extends below the waterline
  - d. all of the above
24. The clearance between a handhold and adjacent surface should not be less than
- a.  $\frac{3}{4}$  inch
  - b. 1 inch
  - c. 1-1/4 inch
  - d. 1-1/2 inch

**National Marine Manufacturers Association**  
**Product Compliance Specialist Examination**  
**Ladders, Handholds & Rails (2015 MY)**  
**ABYC H-41 (09)**

25. A rail that is used for a handhold should not rotate when subjected to a torque of

- a. 1-1/2 ft. lbs.
- b. 5 ft. lbs.
- c. 7 ft. lbs.
- d. 10 ft. lbs.