

H-41 REBOARDING MEANS, LADDERS, HANDHOLDS, RAILS AND LIFELINES

Table of Contents

41.1	<i>PURPOSE</i>	1
41.2	<i>SCOPE</i>	1
41.3	<i>REFERENCED ORGANIZATIONS</i>	1
41.4	<i>DEFINITIONS</i>	1
41.5	<i>HANDHOLD DEVICES</i>	2
41.6	<i>LIFE RAILS, DECK RAILS, STERN RAILS, BOW RAILS</i>	3
41.7	<i>TOE RAILS</i>	4
41.8	<i>COMPANIONWAY AND FLYBRIDGE LADDERS, STEPS, AND TREADS</i>	4
41.9	<i>REBOARDING MEANS</i>	4
41.10	<i>LABELS</i>	5
41.11	<i>SLIP RESISTANT SURFACES</i>	5
41.12	<i>SAFETY AND WARNING LABELS</i>	5
	<i>EXAMPLE 1 (Transom)</i>	6
	<i>EXAMPLE 2 (Helm)</i>	6
	<i>EXAMPLE 3 (Transom)</i>	6
	<i>EXAMPLE 4 (Helm)</i>	6
	<i>FIGURE 1 - HANDHOLD DEVICE</i>	7
	<i>FIGURE 2 - RUNG, STEP, OR TREAD LOCATION</i>	7

H-41 REBOARDING MEANS, LADDERS, HANDHOLDS, RAILS AND LIFELINES

Based on ABYC's assessment of the existing technology, and the problems associated with achieving the goals of this standard, ABYC recommends compliance with this standard for all boats, associated equipment, and systems manufactured or installed after July 31, 2007.

41.1 PURPOSE

This standard is a guide for the design, construction, and installation of reboarding means, ladders, handhold devices, grab rails, rails, lifelines, and slip resistant surfaces.

41.2 SCOPE

This standard applies to all boats.

EXCEPTIONS: *Manually propelled boats. Aquatic toys, canoes, kayaks, or other boats with a beam less than 3.6 ft (1.1m).*

41.3 REFERENCED ORGANIZATIONS

ABYC - American Boat & Yacht Council, Inc., 613 Third Street, Suite 10, Annapolis, MD 21403. Phone: (410) 990-4466. Fax: (410) 990-4466. Web site: www.abycinc.org

ORC - Offshore Racing Council, Five Gables, Wytresham, Suffolk, IP6 9HG, UK. Phone: +44 1473 785 091. Web site: www.orc.org

41.4 DEFINITIONS

For the purposes of this standard the following definitions apply.

Bow Rail And Stern Rail – rigid assembly(s) that are installed on the deck at either end of the boat. These may be included in the life or deck rail system.

Handhold Device or Grab Rail – any device that may be gripped by hand.

Life or Deck Rail or Life Line – a system of rails and/or flexible lines supported by rigid structures or stanchions designed to reduce the risk of falling overboard.

Open Boat – a boat that does not have either;

- a. a permanent enclosed shelter for persons, or
- b. a permanent structural weatherdeck at least as high as the sheer, and at least half the length of the boat.

Reboarding Means – rigid or flexible fitting or part of the hull which allows a person to reboard without assistance.

Slip Resistant Surface – a surface intentionally prepared, machined, covered, molded, etc. to provide increased friction between the foot (or shoe) and the surface of the deck.

Stanchion – vertical bars or poles carrying guard-rail or guard-line.

Static Floating Position – the attitude in which a boat floats in calm fresh water, with fuel tanks filled to rated capacity, but with no person or item of portable equipment aboard. The boat should include all permanently installed factory supplied equipment and options such as, but not limited to, the engine or engines, batteries, seats, engine oil, railings, fishing towers, etc., but not portable gear, such as flags, searchlights, movable cushions, mattresses, portable fire extinguishers, lines, fenders, chairs, tables, anchors, chain or PFD's. Other tanks, such as water, holding, and live bait well tanks are to be empty.