

(6) The proper condition and operation of embarkation appliances, including embarkation ladders and marine evacuation systems;

(7) The ability of the crew to effectively carry out abandon-ship and fire-fighting procedures; and

(8) The ability to meet the egress and survival craft launching requirements of this part.

(b) *Reinspections.* Tests and inspections of the lifesaving equipment shall be carried out during each inspection for renewal of certification and periodic inspection, and shall include, as applicable, a demonstration of—

(1) The proper condition and operation of the survival craft and rescue boat launching appliances at loads ranging from light load to full load, except that any portion of the load test conducted in connection with replacement or end-for-ending of a fall since the vessel's last inspection or reinspection, need not be repeated;

(2) The proper condition and operation of lifeboats and rescue boats, including engines and release mechanisms;

(3) The proper condition of flotation equipment such as lifebuoys, life-jackets, immersion suits, work vests, lifefloats, buoyant apparatus, and associated equipment;

(4) The proper servicing of each inflatable liferaft and inflatable life-jacket has been serviced as required under this chapter;

(5) The proper servicing of each hydrostatic release unit, other than a disposable hydrostatic release unit, as required under this chapter; and

(6) The ability of crew to effectively carry out abandon-ship and fire-fighting procedures.

(c) *Other inspections.* (1) Lifesaving appliances and arrangements are subject to tests and inspections described in paragraph (a) of this section whenever a new lifesaving appliance is installed on the vessel. The test in paragraph (a)(1) of this section must be carried out whenever a wire fall for a launching appliance is replaced or turned end-for-end.

(2) Lifesaving appliances and arrangements are subject to tests and inspections described in paragraph (b) of this section during vessel boardings to

ensure that the appliances and arrangements comply with applicable requirements, are in satisfactory condition, and remain fit for the service.

[CGD 84-069, 61 FR 25313, May 20, 1996, as amended by USCG-1999-4976, 65 FR 6510, Feb. 9, 2000]

Subpart B—Requirements for All Vessels

§ 199.60 Communications.

(a) *Radio lifesaving appliances.* Radio lifesaving appliance installations and arrangements must meet the requirements of 47 CFR part 80.

(b) *Emergency position indicating radiobeacons (EPIRB) and search and rescue transponders (SART).* Each EPIRB and SART should have the name of the vessel plainly marked or painted on its label, except for EPIRBs or SARTs in an inflatable liferaft or permanently installed in a survival craft.

(c) *Distress signals.* Each vessel must—

(1) Carry not less than 12 rocket parachute flares approved under approval series 160.136; and

(2) Stow the flares on or near the vessel's navigating bridge.

(d) *Onboard communications and alarm systems.* Each vessel must meet the requirements for onboard communications between emergency control stations, muster and embarkation stations, and strategic positions on board. Each vessel must also meet the emergency alarm system requirements in subchapter J of this chapter, which must be supplemented by either a public address system or other suitable means of communication.

§ 199.70 Personal lifesaving appliances.

(a) *Lifebuoys.* Each vessel must carry lifebuoys approved under approval series 160.150 as follows:

(1) *Stowage.* Lifebuoys must be stowed as follows:

(i) Each lifebuoy must be capable of being rapidly cast loose.

(ii) No lifebuoy may be permanently secured to the vessel in any way.

(iii) Each lifebuoy stowage position must be marked with either the words "LIFEBUOY" or "LIFE BUOY", or

with the appropriate symbol from IMO Resolution A.760(18).

(iv) Lifebuoys must be so distributed as to be readily available on each side of the vessel and, as far as practicable, on each open deck extending to the side of the vessel. At least one lifebuoy must be located near the stern of the vessel. The lifebuoys with attached self-igniting lights must be equally distributed on both sides of the vessel.

(v) At least two lifebuoys, each with attached self-activating smoke signals, must be stowed where they can be quickly released from the navigating bridge and should, when released, fall directly into the water without striking any part of the vessel.

(2) *Markings.* Each lifebuoy must be marked in block capital letters with the name of the vessel and the name of the port required to be marked on the stern of the vessel under §67.123 of part 67 of this chapter.

(3) *Attachments and fittings.* Lifebuoys must have the following attachments and fittings:

(i) At least one lifebuoy on each side of the vessel fitted with a buoyant lifeline that is—

(A) At least as long as twice the height where it is stowed above the waterline with the vessel in its lightest seagoing condition, or 30 meters (100 feet) in length, whichever is the greater;

(B) Non-kinking;

(C) Not less than 8 millimeters (inch) in diameter;

(D) Of a breaking strength which is not less than 5 kiloNewtons (1,124 pounds-force); and

(E) Is, if synthetic, a dark color or certified by the manufacturer to be resistant to deterioration from ultraviolet light.

(ii) At least one-half the total number of lifebuoys on the vessel must each be fitted with a self-igniting light approved under approval series 161.010. The self-igniting light may not be attached to the lifebuoys required by this section to be fitted with lifelines.

(iii) At least two lifebuoys on the vessel must be fitted with a self-activating smoke signal approved under approval series 160.157. Lifebuoys fitted with smoke signals must also be fitted with lights.

(b) *Lifejackets.* Each vessel must carry lifejackets approved under approval series 160.155, 160.176 or 160.177. If the vessel carries inflatable lifejackets, they must be of the same or similar design and have the same method of operation.

(1) *General.* Each vessel must carry a lifejacket for each person on board, and in addition—

(i) A number of lifejackets suitable for children equal to at least 10 percent of the total number of passengers on board must be provided, or such greater number as may be required to provide a lifejacket of suitable size for each person smaller than the lower size limit of the adult-size lifejacket; and

(ii) A sufficient number of lifejackets must be carried for persons on watch and for use at remotely located survival craft stations.

(2) *Stowage.* Lifejackets must be stowed as follows:

(i) The lifejackets must be readily accessible.

(ii) [Reserved]

(iii) The lifejackets stowage positions must be marked with the words "LIFEJACKETS" or "CHILD LIFEJACKETS" as appropriate, or with the appropriate symbol from IMO Resolution A.760(18).

(iv) The additional lifejackets for persons on watch required by paragraph (b)(1)(ii) of this section must be stowed on the bridge, in the engine control room, and at other manned watch stations.

(v) Where, due to the particular arrangements of the vessel, the lifejackets required by paragraph (b) of this section may become inaccessible, alternative provisions must be made to the satisfaction of the OCMI that may include an increase in the number of lifejackets to be carried.

(3) *Markings.* Each lifejacket must be marked—

(i) In block capital letters with the name of the vessel; and

(ii) With Type I retro-reflective material approved under approval series 164.018. The arrangement of the retro-reflective material must meet IMO Resolution A.658(16).

(4) *Attachments and fittings.* Lifejackets must have the following attachments and fittings:

(i) Each lifejacket must have a lifejacket light approved under approval series 161.112 securely attached to the front shoulder area of the lifejacket.

(ii) Each lifejacket must have a whistle firmly secured by a cord to the lifejacket.

(c) *Rescue boat and marine evacuation system immersion suits or anti-exposure suits*—(1) *General.* Each vessel, except vessels operating on routes between 32 degrees north latitude and 32 degrees south latitude, must carry immersion suits approved under approval series 160.171 or anti-exposure suits approved under approval series 160.153 of suitable size for each person assigned to the rescue boat crew and each person assigned to a marine evacuation system crew.

(2) *Stowage.* Immersion suits or anti-exposure suits must be stowed so they are readily accessible. The stowage positions must be marked with either the words “IMMERSION SUITS” or “ANTI-EXPOSURE SUITS” as appropriate, or with the appropriate symbol from IMO Resolution A.760(18).

(3) *Markings.* Each immersion suit or anti-exposure suit must be marked in such a way as to identify the person or vessel to which it belongs.

(4) *Attachments and fittings.* Immersion suits or anti-exposure suits must have the following attachments and fittings:

(i) Each immersion suit or anti-exposure suit must have a lifejacket light approved under approval series 161.112 securely attached to the front shoulder area of the immersion suit or anti-exposure suit.

(ii) Each immersion suit or anti-exposure suit must have a whistle firmly secured by a cord to the immersion suit or anti-exposure suit.

(d) *Lifejacket, immersion suit, and anti-exposure suit containers.* Each lifejacket, immersion suit, and anti-exposure suit container must be marked in block capital letters and numbers with the quantity, identity, and size of the equipment stowed inside the container. The equipment may be identified in words or with the appropriate symbol from IMO Resolution A.760(18).

[CGD 84-069, 61 FR 25313, May 20, 1996, as amended at 63 FR 52818, Oct. 1, 1998; 63 FR 56066, Oct. 20, 1998; 64 FR 53229, Oct. 1, 1999]

§ 199.80 Muster list and emergency instructions.

(a) *General.* Clear instructions must be provided on the vessel that detail the actions each person on board should follow in the event of an emergency.

(b) *Muster list.* Copies of the muster list must be posted in conspicuous places throughout the vessel including on the navigating bridge, in the engine room, and in crew accommodation spaces. The muster list must be posted before the vessel begins its voyage. After the muster list has been prepared, if any change takes place that necessitates an alteration in the muster list, the master must either revise the existing muster list or prepare a new one. Each muster lists must at least specify—

(1) The instructions for operating the general emergency alarm system and public address system;

(2) The emergency signals;

(3) The actions to be taken by the persons on board when each signal is sounded;

(4) How the order to abandon the vessel will be given.

(5) The officers that are assigned to make sure that lifesaving and fire-fighting appliances are maintained in good condition and ready for immediate use;

(6) The duties assigned to the different members of the crew. Duties to be specified include—

(i) Closing the watertight doors, fire doors, valves, scuppers, sidescuttles, skylights, portholes, and other similar openings in the vessel's hull;

(ii) Equipping the survival craft and other lifesaving appliances;

(iii) Preparing and launching the survival craft;

(iv) Preparing other lifesaving appliances;

(v) Mustering the passengers and other persons on board;

(vi) Using communication equipment;

(vii) Manning the emergency squad assigned to deal with fires and other emergencies; and

(viii) Using firefighting equipment and installations.

(7) The duties assigned to members of the crew in relation to passengers and