

§ 199.40

Tank vessel means a vessel that is constructed or adapted to carry, or that carries, oil or hazardous material in bulk as cargo or cargo residue, and that—

- (a) Is a vessel of the United States;
- (b) Operates on the navigable waters of the United States; or
- (c) Transfers oil or hazardous material in a port or place subject to the jurisdiction of the United States.

Toxic vapor or gas means a product for which emergency escape respiratory protection is required under Subchapter 17 of the International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk (IBC Code) and under Subchapter 19 of the International Code for the Construction and Equipment of Ships carrying Liquefied Gases in Bulk (IGC Code).

Vessel constructed means a vessel, the keel of which is laid or which is at a similar stage of construction.

Warm water means water where the monthly mean low water temperature is normally more than 15 °C (59 °F).

[CGD 84-069, 61 FR 25313, May 20, 1996, as amended by USCG-1999-6216, 64 FR 53229, Oct. 1, 1999; USCG-1999-5040, 67 FR 34807, May 15, 2002; USCG-2004-18884, 69 FR 58352, Sept. 30, 2004]

§ 199.40 Evaluation, testing and approval of lifesaving appliances and arrangements.

- (a) Each item of lifesaving equipment required by this part to be carried on board the vessel must be approved.
- (b) Each item of lifesaving equipment carried on board the vessel in addition to those required by this part must—
 - (1) Be approved; or
 - (2) Be accepted by the cognizant OCMi for use on the vessel.
- (c) The Commandant (G-MSE) may accept a novel lifesaving appliance or arrangement if it provides a level of safety equivalent to the requirements of this part and the appliance or arrangement—
 - (1) Is evaluated and tested in accordance with IMO Resolution A.520(13), Code of Practice for the Evaluation, Testing and Acceptance of Prototype Novel Life-saving Appliances and Arrangements; or

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- (2) Has successfully undergone evaluation and tests that are substantially equivalent to those recommendations.

(d) During the vessel's construction and when any modification to the lifesaving arrangement is done after construction, a vessel owner must obtain acceptance of lifesaving arrangements from the Commandant (G-MSA).

(e) The OCMi may accept substitute lifesaving appliances other than those required by this part except for—

- (1) Survival craft and rescue boats; and
- (2) Survival craft and rescue boat launching and embarkation appliances.

(f) Acceptance of lifesaving appliances and arrangements will remain in effect unless—

- (1) The OCMi deems their condition to be unsatisfactory or unfit for the service intended; or
- (2) The OCMi deems the crew's ability to use and assist others in the use of the lifesaving appliances or arrangements to be inadequate.

§ 199.45 Tests and inspections of lifesaving equipment and arrangements.

(a) *Initial inspection.* The initial inspection of lifesaving appliances and arrangements for certification includes 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 10 percent overload;
- (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, lifejackets, immersion suits, work vests, lifefloats, buoyant apparatus, and associated equipment;
- (4) The proper condition of distress signaling equipment, including emergency position indicating radiobeacons (EPIRB), search and rescue transponders (SART), and pyrotechnic signaling devices;
- (5) The proper condition of line-throwing appliances;

(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