§ 199.157 Free-fall lifeboat launching and recovery arrangements.

(a) The launching appliance for a free-fall lifeboat must be designed and installed so that the launching appliance and the lifeboat it serves operate as a system to protect the occupants unless the motor is designed to prevent such overstressing.

1 Each launching appliance must be fitted with brakes that meet the following requirements:

1 The brakes must be capable of stopping the descent of the survival craft or rescue boat and holding the survival craft or rescue boat securely when loaded with its full complement of persons and equipment.

2 The brake pads must, where necessary, be protected from water and oil.

3 Manual brakes must be arranged so that the brake is always applied unless the operator, or a mechanism activated by the operator, holds the brake control in the off position.

§ 199.155 Lifeboat launching and recovery arrangements.

Lifeboat launching and recovery arrangements, in addition to meeting the requirements in §§199.150 and 199.153, must meet the following requirements:

(a) Each lifeboat must be provided with a launching appliance. The launching appliance must be capable of launching and recovering the lifeboat with its crew.

(b) Each launching appliance arrangement must allow the operator on the vessel to observe the lifeboat at all times during recovery.

(c) Each launching appliance arrangement must be designed to ensure persons can safely disembark from the survival craft prior to its stowage.

(d) Each lifeboat, other than a totally enclosed lifeboat, must be provided with a davit span with not less than two lifelines of sufficient length to reach the water with the vessel in its lightest seagoing condition, under unfavorable conditions of trim, and with the vessel listed up to 20 degrees either way.
§ 199.160 Rescue boat embarkation, launching and recovery arrangements.

(a) Each rescue boat must be capable of being launched with the vessel making headway of 5 knots in calm water. A painter may be used to meet this requirement.

(b) Each rescue boat embarkation and launching arrangement must permit the rescue boat to be boarded and launched in the shortest possible time.

(c) The rescue boat must meet the embarkation and launching arrangement requirements of §§199.110 (e) and (g), 199.150, 199.155, and if the launching arrangement uses falls and a winch, §199.153.

(d) If the rescue boat is one of the vessel’s survival craft, the rescue boat must also meet the following requirements:

1. The rescue boat must meet the muster and embarkation arrangement requirements of §199.110 and the launching station requirements of §199.120.

2. If the launching arrangement uses a single fall, the rescue boat may have an automatic disengaging apparatus approved under approval series 160.170 instead of a lifeboat release mechanism.

(e) Rapid recovery of the rescue boat must be possible when loaded with its full complement of persons and equipment. If the rescue boat is also a lifeboat, rapid recovery must be possible when loaded with its lifeboat equipment and an approved rescue boat complement of at least six persons.

(f) Each rescue boat launching arrangement must be fitted with a powered winch motor.

(g) Each rescue boat launching arrangement must be capable of hoisting the rescue boat when loaded with its full rescue boat complement of persons and equipment at a rate of not less than 0.3 meters per second (59 feet per minute).

§ 199.170 Line-throwing appliance.

(a) General. Each vessel must have a line-throwing appliance approved under approval series 160.040.

(b) Stowage. The line-throwing appliance and its equipment must be readily accessible for use.

(c) Additional equipment. Each vessel must carry the following equipment for the line-throwing appliance—

1. The equipment on the list provided by the manufacturer with the approved appliance; and

2. An auxiliary line that—

   (i) Is at least 450 meters (1,500 feet) long;

   (ii) Has a breaking strength of at least 40 kiloNewtons (9,000 pound-force); and

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