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(c) Each person having to hold a license or MMC officer endorsement under 46 U.S.C. 8904(a) for employment or service as master or mate on board an uninspected towing vessel of 8 meters (approximately 26 feet) or more in length must, if the vessel is equipped with radar, hold an endorsement as radar observer.

(d) Each person who is required to hold a radar endorsement must have their certificate of training readily available to demonstrate that the endorsement is still valid.

(e) For the purposes of this section, “readily available” means that the mariner must carry the original certificate of training or a notarized copy thereof onboard. Alternatively, the mariner must provide a copy of the certificate of training to the requesting entity within 48 hours. The requested material may be delivered either physically, electronically, or by facsimile.

§ 15.825 Engineers.

(a) An individual in charge of an engineering watch on a mechanically propelled, seagoing, documented vessel of 200 gross tons or over must hold an appropriately endorsed license or MMC authorizing service as a chief engineer.

§ 15.830 Radio officers.

Radio officers are required on certain merchant vessels of the United States. The determination of when a radio officer is required is based on the Federal Communications Commission requirements.

§ 15.835 Staff officers.

Staff officers, when carried, must be registered as specified in part 11 of this chapter.

§ 15.840 Able seamen.

(a) With certain exceptions, 46 U.S.C. 8702 applies to all vessels of at least 100 gross tons. At least 65 percent of the deck crew of these vessels, excluding individuals serving as officers, must be able seamen. For vessels permitted to maintain a two watch system, the percentage of able seamen may be reduced to 50 percent.

(b) Able seamen are rated as: unlimited, limited, special, offshore supply vessel, sail, and fishing industry, under the provisions of part 12 of this chapter. 46 U.S.C. 7312 specifies the categories of able seamen (i.e., unlimited, limited, etc.) necessary to meet the requirements of 46 U.S.C. 8702.