

(b) Have satisfactorily completed an approved Panama Canal Commission training program for chief engineer of steam vessels of at least four years' duration and have completed at least 260 eight-hour watches in the engine room of a Panama Canal Commission steam vessel under the supervision of a licensed engineer.

(c) While holding a license as assistant engineer of motor vessels, have served at least 130 eight-hour watches as observer-assistant engineer on steam vessels.

[43 FR 13382, Mar. 30, 1978, as amended at 46 FR 63192, Dec. 30, 1981]

§ 119.225 Assistant engineer, motor vessels; experience required.

In order to be eligible for examination the license of assistant engineer of motor vessels, an applicant therefor must—

(a)(1) Have graduated from either the Panama Nautical School's program for engineer officers, from a maritime academy in the United States recognized by the U.S. Coast Guard for licensing purposes or from another maritime academy located outside the United States which is determined by the Maritime Operations Director to have standards substantially equal to the U.S. Academies, and

(2) Be participating in an approved Panama Canal Commission training program for chief engineer of motor vessels; or

(b) Have satisfactorily completed an approved Panama Canal Commission training program for chief engineer of motor vessels of at least four years' duration and have completed at least 260 eight-hour watches in engine room of a Panama Canal Commission motor vessel under the supervision of a licensed engineer; or

(c) While holding a license as assistant engineer of steam vessels, have served at least 130 eight-hour watches as observer-assistant engineer on motor vessels.

§ 119.226 Assistant engineer (watch standing), motor vessel; experience required.

In order to be eligible for examination for the license of Assistant Engi-

neer (Watch Standing) of motor vessels, an applicant therefore must:

(a) Have graduated from the marine engineering program of a recognized maritime academy; or

(b) Have graduated from a recognized marine engineer apprentice program; or

(c) Have graduated from the professional (college-level) marine engineering program of a recognized school of technology, and have completed three months of service in the engine department of a steam and/or motor vessel under the supervision of a licensed engineer; or

(d) Have graduated from the professional (college level) mechanical or electrical engineering program of a recognized school of technology, and have completed six months of service in the engine department of a steam and/or motor vessel under the supervision of a licensed engineer; or

(e) Have three years of service in the engine room of a steam and/or motor vessel, eighteen months of which must have been as a qualified member of the engine department or equivalent supervisory position. (A qualified member of the engine department is any person below the rating of license officer and above the rating of coal passer, wiper or assistant electrician, who holds a current, valid permanent certificate of service as a qualified member of the engine department issued by the U.S. Coast Guard or a currently valid equivalent certificate of service issued by the Government of Panama. Ratings included are those of donkeyman, refrigerating engineer, oiler, deck engineer, fireman, electrician, water tender, junior engineer, machinist, pumpman, deck engine mechanic, and engineman.)

[55 FR 4837, Feb. 12, 1990, as amended at 55 FR 15229, Apr. 23, 1990]

§ 119.227 Chief and assistant engineer; steam and motor vessels.

Upon request, the Maritime Operations Director may issue (a) a single license for chief engineer of steam and motor vessels to persons holding currently valid licenses as chief engineer of steam vessels and chief engineer of motor vessels and (b) a single license for assistant engineer of steam and