

TABLE 15.812(e)(2)—QUICK REFERENCE TABLE FOR FEDERAL PILOTAGE REQUIREMENTS FOR U.S. INSPECTED TANK BARGES, NOT SAILING ON REGISTER

	Designated areas of pilotage waters (routes for which First Class Pilot's licenses or MMC officer endorsements are issued)	Nondesignated areas of pilotage waters (between the three mile line and the start of traditional pilotage routes)
Tank Barges greater than 10,000 GT, authorized by their Certificate of Inspection to proceed beyond the Boundary Line, or operating on the Great Lakes.	First Class Pilot .....	Master, Mate, or Master, Mate (Pilot) of towing vessels may serve as pilot if the individual: 1. Is at least 21 years old. 2. Has an annual physical exam. <sup>1</sup> 3. Maintains current knowledge of the waters to be navigated. <sup>2</sup> 4. Has at least 6 months' service in the deck department on towing vessels engaged in towing.
Tank Barges 10,000 GT or less, authorized by their Certificate of Inspection to proceed beyond the Boundary Line, or operating on the Great Lakes.	First Class Pilot, or Master, Mate, or Master, Mate (Pilot) of towing vessels may serve as pilot if the individual: 1. Is at least 21 years old .....	Master, Mate, or Master, Mate (Pilot) of towing vessels may serve as pilot if the individual: 1. Is at least 21 years old. 2. Has an annual physical exam. <sup>1</sup> 3. Maintains current knowledge of the waters to be navigated. <sup>2</sup> 4. Has at least 6 months' service in the deck department on towing vessels engaged in towing operations.
Tank Barges authorized by their Certificate of Inspection for Inland routes only (Lakes, Bays, and Sounds/Rivers); other than vessels operating on the Great Lakes.	No pilotage requirement .....	No pilotage requirement.

<sup>1</sup> Annual physical exam does not apply to an individual who will serve as a pilot of a Tank Barge of less than 1,600 gross tons.  
<sup>2</sup> One round trip within the past 60 months.  
<sup>3</sup> If the route is to be traversed during darkness, 3 of the 12 round trips must be made during darkness.

(f) In Prince William Sound, Alaska, coastwise seagoing vessels over 1,600 gross tons and propelled by machinery and subject to inspection under 46 U.S.C. Chapter 37 must:

(1) When operating from 60°49' north latitude to the Port of Valdez be under the direction and control of an individual holding a valid license or MMC endorsed as pilot who:

- (i) Is operating under the authority of a license or MMC;
- (ii) Holds a license issued by the State of Alaska; and
- (iii) Is not a member of the crew of the vessel.

(2) Navigate with either two credentialed deck officers on the bridge or an individual holding a valid license or MMC endorsed as pilot when operating south of 60°49' north latitude and in the approaches through Hinchinbrook Entrance and in the area bounded:

- (i) On the West by a line one mile west of the western boundary of the Traffic Separation Scheme;

(ii) On the East by 146°00' West longitude;

(iii) On the North by 60°49' North latitude; and

(iv) On the South by that area of Hinchinbrook Entrance within the territorial sea bounded by 60° 07' North latitude and 146°31.5' West longitude.

[CGD 84-060, 59 FR 4842, Feb. 2, 1994, as amended by CGD 84-060, 60 FR 20652, 20653, Apr. 27, 1995; USCG-2004-18884, 69 FR 58343, Sept. 30, 2004; USCG-2006-24371, 74 FR 11262, Mar. 16, 2009]

**§ 15.815 Radar observers.**

(a) Each person in the required complement of deck officers, including the master, on inspected vessels of 300 gross tons or over which are radar equipped, shall hold an endorsement as radar observer.

(b) Each person who is employed or serves as pilot in accordance with Federal law on board vessels of 300 gross tons or over which are radar equipped, shall hold an endorsement as radar observer.

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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.

[CGD 81-059, 52 FR 38652, Oct. 16, 1987, as amended by CGD 94-041, 60 FR 8309, Feb. 14, 1995; CGD 95-028, 62 FR 51196, Sept. 30, 1997; USCG-2004-18884, 69 FR 58343, Sept. 30, 2004; USCG-2006-26202, 73 FR 52795, Sept. 11, 2008; USCG-2006-24371, 74 FR 11262, Mar. 16, 2009]

### § 15.820 Chief engineer.

(a) There must be an individual holding an MMC or license endorsed as chief engineer or other credential authorizing service as chief engineer employed on board the following inspected mechanically propelled vessels:

(1) Seagoing or Great Lakes vessels of 200 gross tons and over.

(2) Offshore supply vessels of more than 200 gross tons.

(3) Inland (other than Great Lakes) vessels of 300 gross tons and over, if the OCMI determines that an individual with a license or the appropriate MMC officer endorsement responsible for the vessel’s mechanical propulsion is necessary.

(b) An individual engaged or employed to perform the duties of chief engineer on a mechanically propelled, uninspected, seagoing, documented vessel of 200 gross tons or over must hold an appropriately endorsed license

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or MMC authorizing service as a chief engineer.

[CGD 81-059, 52 FR 38652, Oct. 16, 1987, as amended by USCG-2006-24371, 74 FR 11262, Mar. 16, 2009]

### § 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, other than an individual described in § 15.820, must hold an appropriately endorsed license or MMC authorizing service as an assistant engineer.

(b) The Officer in Charge, Marine Inspection determines the minimum number of credentialed engineers required for the safe operation of inspected vessels.

[CGD 81-059, 52 FR 38652, Oct. 16, 1987, as amended by USCG-2006-24371, 74 FR 11263, Mar. 16, 2009]

### § 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.

[CGD 81-059, 52 FR 38652, Oct. 16, 1987, as amended by USCG-2006-24371, 74 FR 11263, Mar. 16, 2009]

### § 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.