

§ 401.12 Minimum requirements—mooring lines and fairleads.

(a) Minimum requirements in respect of mooring lines, which shall be available for securing on either side of the vessel, winches, and the location of fairleads on vessels are as follows:

(1) Vessels of 40 m or less in overall length shall have at least two mooring lines or hawsers that may be led through closed chocks and be hand held, one of which shall lead from the break of the bow and the other shall lead from the quarter.

(2) Vessels of more than 40 m but not more than 60 m in overall length shall have four mooring lines, two of which shall be power operated by winches, capstans or windlasses and shall be led through a type of fairlead acceptable to the Corporation and the Manager, of which two mooring lines:

(i) One shall lead forward from the break of the bow and one astern from the quarter, or

(ii) One shall lead astern from the break of the bow and one forward from the quarter;

(3) The other two mooring lines required on vessels of more than 40 m but not more than 60 m may be led through closed chocks and may be hand held;

(4) Vessels of more than 60 m in overall length shall have four mooring lines, two of which shall lead from the break of the bow and two of which shall lead from the quarter, and

(i) All shall be power operated by the main drums of adequate power operated winches and not by capstans or windlasses; and

(ii) All shall be led through a type of fairlead acceptable to the Corporation and the Manager.

(5) Every vessel shall have a minimum of two spare mooring wires available and ready for immediate use.

(b) The following table sets out the requirements for the location of fairleads for vessels of 60 m or more in overall length:

TABLE		
Overall length of vessels	For mooring lines Nos. 1 and 2	For mooring lines Nos. 3 and 4
60 m or more but not more than 90 m.	Between 10 m and 25 m from the stem.	Between 10 m and 25 m from the stern.

TABLE—Continued

Overall length of vessels	For mooring lines Nos. 1 and 2	For mooring lines Nos. 3 and 4
More than 90 m but not more than 120 m.	Between 12 m and 30 m from the stem.	Between 15 m and 35 m from the stern.
More than 120 m but not more than 150 m.	Between 12 m and 35 m from the stem.	Between 15 m and 40 m from the stern.
More than 150 m but not more than 180 m.	Between 15 m and 40 m from the stem.	Between 20 m and 45 m from the stern.
More than 180 m but not more than 222.5 m.	Between 20 m and 50 m from the stem.	Between 20 m and 50 m from the stern.

(68 Stat. 93-96, 33 U.S.C. 981-990, as amended and secs. 4, 5, 6, 7, 8, 12 and 13 of sec. 2 of Pub. L. 95-474, 92 Stat. 1471)

[39 FR 10900, Mar. 22, 1974, as amended at 47 FR 51121, Nov. 12, 1982; 48 FR 20691, May 9, 1983; 55 FR 48598, Nov. 21, 1990; 65 FR 52915, Aug. 31, 2000]

§ 401.13 Hand lines.

Hand lines shall:

(a) Be made of manila or other material acceptable to the Corporation and the Manager, and

(b) Be of uniform thickness and have a diameter of not less than 15 mm and not more than 17 mm and a minimum length of 30 m.

(68 Stat. 93-96, 33 U.S.C. 981-990, as amended and secs. 4, 5, 6, 7, 8, 12 and 13 of sec. 2 of Pub. L. 95-474, 92 Stat. 1471)

[39 FR 10900, Mar. 22, 1974, as amended at 49 FR 30935, Aug. 2, 1984; 61 FR 19551, May 2, 1996; 65 FR 52914, 52915, Aug. 31, 2000]

§ 401.14 Anchor marking buoys.

An orange colored anchor marking buoy of a type approved by the Corporation and the Authority, fitted with 22 m of suitable line, shall be secured directly to each anchor so that the buoy will mark the location of the anchor when the anchor is dropped.

(68 Stat. 93-96, 33 U.S.C. 981-990, as amended and secs. 4, 5, 6, 7, 8, 12 and 13 of sec. 2 of Pub. L. 95-474, 92 Stat. 1471)

[47 FR 51122, Nov. 12, 1982]

§ 401.15 Stern anchors.

(a) Every ship of more than 110m in overall length, the keel of which is laid after January 1, 1975, shall be equipped with a stern anchor.

(b) Every integrated tug and barge or articulated tug and barge unit greater

§ 401.16

than 110m in overall length which is constructed after January 1, 2003, shall be equipped with a stern anchor.

[68 FR 36748, June 19, 2003]

§ 401.16 Propeller direction alarms.

Every vessel of 1600 gross registered tons or more shall be equipped with—

(a) Propeller direction and shaft r.p.m. indicators located in the wheelhouse and the engine room; and

(b) Visible and audible wrong-way propeller direction alarms located in the wheelhouse and the engine room, unless the vessel is fitted with a device which renders it impossible to operate engines against orders from the bridge telegraph.

(68 Stat. 93-96, 33 U.S.C. 981-990, as amended and secs. 4, 5, 6, 7, 8, 12 and 13 of sec. 2 of Pub. L. 95-474, 92 Stat. 1471)

[41 FR 12227, Mar. 24, 1976, as amended at 45 FR 52378, Aug. 7, 1980]

§ 401.17 Pitch indicators and alarms.

Every vessel of 1600 gross registered tons or more equipped with a variable pitch propeller shall be equipped with

(a) A pitch indicator in the wheelhouse and the engine room; and

(b) Effective April 1, 1984, visible and audible pitch alarms in the wheelhouse and engine room to indicate wrong pitch.

(68 Stat. 93-96, 33 U.S.C. 981-990, as amended and secs. 4, 5, 6, 7, 8, 12 and 13 of sec. 2 of Pub. L. 95-474, 92 Stat. 1471)

[47 FR 51122, Nov. 12, 1982]

§ 401.18 Steering lights.

Every vessel shall be equipped with

(a) A steering light located on the centerline at or near the stem of the vessel and clearly visible from the helm; or

(b) Two steering lights located at equal distances either side of the centerline at the forepart of the vessel and clearly visible from the bridge along a line parallel to the keel.

[49 FR 30935, Aug. 2, 1984]

§ 401.19 Disposal and discharge systems.

(a) Every vessel not equipped with containers for ordure shall be equipped with a sewage disposal system enabling

33 CFR Ch. IV (7-1-04 Edition)

compliance with the Garbage Pollution Prevention Regulations of Canada, the Great Lakes Sewage Pollution Prevention Regulations of Canada, the Clean Water Act of 1977 of the United States, and the River and Harbor Act of the United States.

(b) Garbage on a vessel shall be:

(1) Destroyed by means of an incinerator or other garbage disposal device; or

(2) Retained on board in covered, leakproof containers, until such time as it can be disposed of in accordance with the provisions of the Garbage Pollution Prevention Regulations of Canada, the Great Lakes Sewage Pollution Prevention Regulations of Canada, the Clean Water Act of 1977 of the United States, and the River and Harbor Act of the United States.

(c) No substance shall be discharged or disposed of onto a lockwall or tie-up wall by any means, including overboard discharge pipes.

(68 Stat. 93-96, 33 U.S.C. 981-990, as amended and secs. 4, 5, 6, 7, 8, 12 and 13 of sec. 2 of Pub. L. 95-474, 92 Stat. 1471)

[39 FR 10900, Mar. 22, 1974, as amended at 45 FR 52378, Aug. 7, 1980; 49 FR 30936, Aug. 2, 1984; 55 FR 48578, Nov. 21, 1990; 55 FR 52844, Dec. 24, 1990]

§ 401.20 Automatic Identification System.

(a) Each of the following vessels must use an Automatic Identification System (AIS) transponder to transit the Seaway:

(1) Each commercial vessel that requires pre-clearance in accordance with § 401.22 and has a 300 gross tonnage or greater, has a Length Over All (LOA) over 20 meters, or carries more than 50 passengers for hire; and

(2) Each dredge, floating plant or towing vessel over 8 meters in length, except only each lead unit of combined and multiple units (tugs and tows).

(b) Each vessel listed in paragraph (a) of this section must meet the following requirements to transit the Seaway:

(1) International Maritime Organization (IMO) Resolution MSC.74(69), Annex 3, Recommendation on Performance Standards for a Universal Shipborne AIS, as amended;

(2) International Telecommunication Union, ITU-R Recommendation M.1371-