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MSO) determines to be necessary for safety.

(d) If an existing gas vessel does not meet paragraph (b) or (c) of this section and the owner desires a document endorsed for the carriage of a cargo listed in Table 4 (follows §154.1872), the vessel must—

(1) Have a letter from the Coast Guard dated before November 1, 1987 stating that—

(i) Review of the vessel's plans for the carriage of that cargo is completed; or

(ii) The vessel's IMO Certificate endorsed for the carriage of that cargo is accepted;

(2) Meet the plans that were reviewed and marked ''Examined'' or ''Approved'' by the Coast Guard, or meet the standards under which the IMO Certificate was issued;

(3) Meet paragraph (e) of this section; and

(4) Meet any additional requirements of this part that the Commandant (G–MSO) determines to be necessary for safety.

(e) If the owner of a vessel desires any document endorsement described in paragraph (b), (c), or (d) of this section, the existing gas vessel must meet the requirements in each of the following:

(1) Section 154.310 (d) and (e).
(2) Section 154.320 (b) and (c).
(3) Section 154.330 (a) through (e).
(4) Section 154.340(d).
(5) Section 154.345 (a), (b)(1) through (b)(5), (b)(7) and (c).
(6) Section 154.476(a).
(7) Section 154.519(a)(2).
(8) Section 154.534.
(9) Section 154.538.
(10) Section 154.540 (c) and (d).
(11) Section 154.556.
(12) Section 154.558.
(13) Section 154.560.
(14) Section 154.562.
(15) Section 154.703.
(16) Section 154.705.
(17) Section 154.706.
(18) Section 154.707.
(19) Section 154.708.
(20) Section 154.709.
(21) Section 154.904.
(22) Section 154.906.
(23) Section 154.908(a), unless the space is separated from the accommodation, service, or control space by a steel door that—

(i) Is watertight when tested with a firehose at not less than 207 kPa gauge (30 psig);

(ii) Has a means to self-close and does not have latches or other devices designed to hold it open; and

(iii) Has an audible and visual alarm on both sides of the door which is actuated when the door is open.

(24) Section 154.910.
(25) Section 154.912.
(26) Sections 154.1110 through 154.1130, except §§154.1115(b), 154.1120(b), and 154.1125 (c) and (f).

(27) Section 154.1145, except an existing gas vessel with a cargo carrying capacity of less than 2500 m^3 (88,200 ft^3) may have only one self-contained dry chemical storage unit if that unit—

(i) is installed before November 1, 1987; and

(ii) Has the capacity to meet §154.1145 (d) and (e), and §154.1170(e).

(28) Section 154.1150 (a) and (b).
(29) Section 154.1155.
(30) Section 154.1160.
(31) Section 154.1165 (a), (b), (d), and (f).
(32) Section 154.1170 (b) through (f).
(33) Section 154.1200 (a), (b)(1), and (b)(2).
(34) Section 154.1205(f).
(35) Section 154.1325.
(36) Section 154.1335(e).
(37) Section 154.1350 (e), (f), (i), (o), and (u).

§154.15 U.S. flag vessel: Endorsement application.

(a) A person who desires the endorsement required under §154.1801 for a U.S. flag vessel must submit an application for an endorsement of the vessel's Subchapter D Certificate of Inspection under the procedures in §91.55–15 of this chapter.

(b) The person requesting an endorsement under paragraph (a) of this section must submit to the Coast Guard, if requested—

(1) Calculations for hull design required by §172.175 of this chapter;

(2) The plans and information listed in §§54.01–18, 56.01–10, 91.55–5 (a), (b), (d), (g), and (h), and 110.25–1 of this chapter;

(3) Plans for the dry chemical supply and distribution systems, including the controls; and

(4) Any other vessel information, including, but not limited to plans, design calculations, test results, certificates, and manufacturer's data, needed to determine whether or not the vessel meets the standards of this part.

§ 154.17 U.S. flag vessel: Certificate of Inspection endorsement.

The Certificate of Inspection for a U.S. flag vessel allowed to carry a liquefied gas listed in Table 4 has the following endorsement for each cargo, with the corresponding carriage requirement data inserted:

Inspected and approved for the carriage of _____ at a maximum allowable relief valve setting of _____ kPa gauge (_____ psig) with an F factor of _____, a maximum external pressure of _____ kPa gauge (_____ psig), a minimum service temperature of _____ °C (_____ °F), and a maximum specific gravity of _____. Hull type _____.

§ 154.19 U.S. flag vessel: IMO certificate issuance.

(a) The Coast Guard Officer in Charge, Marine Inspection, issues an IMO Certificate to a U.S. flag vessel when requested by the owner or representative, if—

(1) The vessel meets the requirements of this part; and

(2) It is a new gas vessel, it meets the IMO Resolution A.328(IX), ''Code for the Construction and Equipment of Ships Carrying Liquefied Gases in Bulk, 1975''; or

(3) It is an existing gas vessel, it meets the IMO ''Code for Existing Ships Carrying Liquefied Gases in Bulk, 1975''.

(b) The IMO Certificate expires on the same date that the vessel's Certificate of Inspection expires.

§ 154.22 Foreign flag vessel: Certificate of Compliance endorsement application.

(a) A person who desires an endorsed Certificate of Compliance to meet § 154.1802(a) for a foreign flag vessel, whose flag administration issues IMO Certificates, must submit to the Commanding Officer, U.S. Coast Guard Marine Safety Center (G–MSC), 400 Seventh St., SW., Washington, DC 20590–0001, an application that includes the following:

(1) The vessel's valid IMO Certificate.

(2) A description of the vessel.

(3) Specifications for the cargo containment system.

(4) A general arrangement plan of the vessel.

(5) A midship section plan of the vessel.

(6) Schematic plans of the liquid and vapor cargo piping.

(7) A firefighting and safety plan.

(8) If the applicant is requesting an endorsement for the carriage of ethylene oxide, a classification society certification that the vessel meets § 154.1725(a) (4), (5), and (7).

(9) If the vessel is a new gas vessel, or an existing vessel that does not meet § 154.12 (b), (c), or (d)—

(i) A certification from a classification society that the vessel—

(A) Has enhanced grades of steel meeting § 154.170 (b)(1) and (b)(2) for crack arresting purposes in the deck stringer, sheer strake, and bilge strake; and

(B) Meets § 154.701, or if the vessel carries methane, meets § 154.703, by having the capability of cargo tank pressure and temperature control without venting; and

(ii) The vessel's valid SOLAS Cargo Ship Safety Construction Certificate and Cargo Ship Safety Equipment Certificate.

(10) Any additional plans, certificates, and information needed by the Commanding Officer, Marine Safety Center to determine whether or not the vessel meets this part.

(b) A person who desires an endorsed Certificate of Compliance to meet § 154.1802(b) for a foreign flag vessel, whose flag administration does not issue IMO Certificates, must submit to the Commanding Officer, Marine Safety Center the plans, calculations, and information under § 154.15(b).

[CGD 77–069, 52 FR 31626, Aug. 21, 1987, as amended by CGD 88–070, 53 FR 34535, Sept. 7, 1988; CGD 89–025, 54 FR 19571, May 8, 1989; CGD 95–072, 60 FR 50466, Sept. 29, 1995; 60 FR 54106, Oct. 19, 1995]