

(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) Either a classification society authorized under 46 CFR part 8, or 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.

[CGD 77-069, 52 FR 31626, Aug. 21, 1987, as amended by CGD 95-010, 62 FR 67537, Dec. 24, 1997]

§ 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) of this part for a foreign

flag vessel, whose flag administration issues IMO Certificates, must submit to the Commanding Officer, U.S. Coast Guard Marine Safety Center, JR10-0525, 2100 2nd Street, SW., Washington, DC 20593, in a written or electronic format, 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

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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; USCG-2005-23172, 70 FR 75734, Dec. 21, 2005; USCG-2007-29018, 72 FR 53967, Sept. 21, 2007]

§ 154.24 Foreign flag vessel: IMO Certificate.

(a) An IMO Certificate issued under the IMO Resolution A.328(IX), "Code for the Construction and Equipment of Ships Carrying Liquefied Gases in Bulk, 1975" is usually sufficient evidence of compliance with this part for the Coast Guard to endorse a foreign flag vessel's Certificate of Compliance with the name of each cargo in Table 4 (follows § 154.1872) that is listed on the IMO Certificate, if the information listed in item 3 of the IMO Certificate shows that—

(1) The design ambient temperatures meet § 154.174 and § 154.176;

(2) The cargo tank design stress factors and resulting MARVS of independent tanks type B or C meet § 154.447 or § 154.450; and

(3) The cargo tank MARVS of a type IIPG ship meets § 172.175(c) of this chapter.

(b) If a foreign flag existing gas vessel meets § 154.12 (b), (c), or (d), the vessel's IMO Certificate issued under the IMO "Code for Existing Ships Carrying Liquefied Gases in Bulk, 1975" is usually sufficient evidence of compliance with the requirements of § 154.12(e) for the Coast Guard to endorse the Certificate of Compliance with the name of each cargo in Table 4 (follows § 154.1872) that is listed on the IMO Certificate; however if a foreign flag existing gas vessel does not meet § 154.12 (b), (c), or (d), an IMO Certificate issued under the IMO "Code for Existing Ships Carrying Liquefied Gases in Bulk, 1975" is not acceptable evidence of compliance with the requirements of this part for the endorsement of a Certificate of Compliance.

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§ 154.30 Liquefied gases not included in table 4.

(a) A liquefied gas not appearing in table 4 (follows § 154.1872) must be specially approved by the Commandant (G-MSO) to be carried in bulk in U.S. waters.

(b) A person who desires to ship a liquefied gas in bulk that is not listed in table 4 must submit to the Commandant (G-MSO) a completed form CG-4355. This form may be obtained from the Commandant (G-MSO) or any Officer in Charge, Marine Inspection (OCMI).

(c) The Commandant (G-MSO) notifies the submitter by letter whether or not the liquefied gas is specially approved for carriage in bulk in U.S. waters and the minimum requirements for that carriage. If the liquefied gas is not specially approved, the reasons why the special approval is not granted are included.

§ 154.32 Equivalents.

(a) A vessel that fails to meet the standards in this part for an endorsement on a Certificate of Inspection or a Certificate of Compliance may meet an alternate standard if the Commandant (G-MSO) finds that the alternate standard provides an equivalent or greater level of protection for the purpose of safety.

(b) The Commandant (G-MSO) considers issuance of a finding of equivalence to the standard required by this part if the person requesting the finding submits a written application to the Commandant (G-MSO) that includes—

(1) A detailed explanation of the vessel's characteristics that do not meet the requirements in this part; and

(2) An explanation of how each substituted standard would enable the vessel to meet a level of safety that would be equivalent to or greater than the standard in this part.

(c) Operational methods or procedures may not be substituted for a particular fitting, material, appliance, apparatus, item, or type of equipment required in this part.

§ 154.34 Special approval: Requests.

Each request for special approval must be in writing and submitted to