

SUBCHAPTER F—MARINE ENGINEERING

PART 50—GENERAL PROVISIONS

Subpart 50.01—Basis and Purpose of Regulations

- Sec.
- 50.01-10 Purpose of regulations.
 - 50.01-15 Scope of regulations.
 - 50.01-20 OMB control numbers assigned pursuant to the Paperwork Reduction Act.

Subpart 50.05—Application

- 50.05-1 General.
- 50.05-5 Existing boilers, pressure vessels or piping systems.
- 50.05-10 Alterations or repairs.
- 50.05-15 Vessels subject to regulations in this subchapter.
- 50.05-20 Steam-propelled motorboats.

Subpart 50.10—Definition of Terms Used in This Subchapter

- 50.10-1 Commandant.
- 50.10-5 Coast Guard District Commander or District Commander.
- 50.10-10 Officer in Charge, Marine Inspection, (OCMI).
- 50.10-15 Marine inspector or inspector.
- 50.10-20 Headquarters.
- 50.10-23 Marine Safety Center.
- 50.10-25 Coast Guard Symbol.
- 50.10-30 Coast Guard number.
- 50.10-35 Constructed.

Subpart 50.20—Plan Submittal and Approval

- 50.20-1 General.
- 50.20-5 Procedures for submittal of plans.
- 50.20-10 Number of copies of plans required.
- 50.20-15 Previously approved plans.
- 50.20-25 Calculations.
- 50.20-30 Alternative materials or methods of construction.
- 50.20-33 [Reserved]
- 50.20-35 Marine inspector's decisions.
- 50.20-40 Right of appeal.

Subpart 50.25—Acceptance of Material and Piping Components

- 50.25-1 General.
- 50.25-3 Manufacturer or mill certification.
- 50.25-5 Products requiring manufacturer or mill certification.
- 50.25-7 Testing of products required to be certified in presence of marine inspector.
- 50.25-10 Acceptance of piping components by specific letter or approved plan.

Subpart 50.30—Fabrication Inspection

- 50.30-1 Scope.
- 50.30-10 Class I, I-L and II-L pressure vessels.
- 50.30-15 Class II pressure vessels.
- 50.30-20 Class III pressure vessels.

AUTHORITY: 43 U.S.C. 1333; 46 U.S.C. 3306, 3703; E.O. 12234, 45 FR 58801, 3 CFR, 1980 Comp., p. 277; Department of Homeland Security Delegation No. 0170.1; Section 50.01-20 also issued under the authority of 44 U.S.C. 3507.

SOURCE: CGFR 68-82, 33 FR 18808, Dec. 18, 1968, unless otherwise noted.

Subpart 50.01—Basis and Purpose of Regulations

§ 50.01-10 Purpose of regulations.

(a) The purpose of the regulations in this subchapter is to set forth minimum requirements for marine engineering details for various types of vessels in accordance with the intent of title 52 of the Revised Statutes and acts amendatory thereof or supplemental thereto as well as to implement various international conventions for safety of life at sea and other treaties, which contain requirements affecting marine engineering. The regulations in this subchapter have the force of law.

(b) All marine engineering details, such as boilers, pressure vessels, main and auxiliary machinery, piping, valves, and fittings, shall be designed, constructed, and installed in accordance with the provisions of this subchapter, except when specifically modified by the regulations in another subchapter in this chapter for a particular type of vessel or where a specific installation may be required or permitted.

[CGFR 68-82, 33 FR 18808, Dec. 18, 1968, CGD 95-012, 60 FR 48049, Sept. 18, 1995]

§ 50.01-15 Scope of regulations.

(a) This subchapter provides the specifications, standards and requirements for strength and adequacy of design, construction, installation, inspection, and choice of materials for machinery, boilers, pressure vessels, safety valves,

and piping systems upon which safety of life is dependent.

(b) Since this subchapter contains the marine engineering details, it implements the requirements for inspection and certification of vessels as set forth in other subchapters for specific types of vessels.

§ 50.01-20 OMB control numbers assigned pursuant to the Paperwork Reduction Act.

(a) *Purpose.* This section collects and displays the control numbers assigned to information collection and record-keeping requirements in this subchapter by the Office of Management and Budget (OMB) pursuant to the Paperwork Reduction Act of 1980 (44 U.S.C. 3501 *et seq.*). The Coast Guard intends that this section comply with the requirements of 44 U.S.C. 3507(f) which requires that agencies display a current control number assigned by the Director of the OMB for each approved agency information collection requirement.

(b) *Display.*

| 46 CFR Part or Section where Identified or Described | Current OMB Control No. |
|--|-------------------------|
| Parts 50 through 64 | 1625-0097 |

[49 FR 38120, Sept. 27, 1984, as amended by CGD 88-072, 53 FR 34297, Sept. 6, 1988; USCG-2004-18884, 69 FR 58345, Sept. 30, 2004]

Subpart 50.05—Application

§ 50.05-1 General.

(a) The regulations in this subchapter shall apply to the marine engineering details of installations on vessels required to be inspected and certificated under other subchapters in this chapter as described in § 50.01-10.

(b) The regulations in this subchapter are not retroactive in effect, except as provided in § 50.05-5 or § 50.05-10, or if specifically so provided for at the time specific regulations are amended or added.

(c) The requirements in this subchapter revised or added subsequent to July 1, 1969, shall be applicable to the installations contracted for after the effective dates of such requirements. Normally, materials, items of equipment, or installations in vessels which

have been accepted and passed as satisfactory and meeting the applicable requirements in this subchapter then in effect and which are maintained in good and serviceable condition to the satisfaction of the Officer in Charge, Marine Inspection, may be continued in use until replacement is deemed necessary by such officer or as specified in the regulations.

(d) Items of equipment, which are in use on vessels, previously approved by the Commandant but not complying with the latest specification requirements may be continued in use so long as they are maintained in good and serviceable condition to the satisfaction of the Officer in Charge, Marine Inspection, until replacement is deemed necessary by such officer or as specified in the regulations.

(e) Industrial systems and components on mobile offshore drilling units must meet subpart 58.60 of this chapter.

[CGFR 68-82, 33 FR 18808, Dec. 18, 1968, as amended by CGD 73-251, 43 FR 56799, Dec. 4, 1978; CGD 77-147, 47 FR 21809, May 20, 1982; USCG-2000-7790, 65 FR 58459, Sept. 29, 2000]

§ 50.05-5 Existing boilers, pressure vessels or piping systems.

(a) Whenever doubt exists as to the safety of an existing boiler, pressure vessel, or piping system, the marine inspector may require that it be gaged or checked to determine the extent of deterioration, and if necessary for safety may require the recalculation and reduction of the maximum allowable working pressure.

(b) For the purpose of recalculating the maximum allowable working pressure of boilers, pressure vessels, or piping which have deteriorated in service, the applicable design formulas in effect at the time it was contracted for or built or the currently effective design formulas in this subchapter shall be used: *Provided*, That such recalculation based on currently effective design formulas in this subchapter does not permit a higher pressure than that originally allowed by the regulations in effect at the time such work was contracted for or built.

(c) When existing vessels are reboilered, the mountings and attachments shall be renewed in accordance