

authorized by the Officer in Charge, Marine Inspection, is not reasonably available, the inspection shall be made by the senior officer present and a proper entry shall be made in the vessel's logbook.

(d) It shall be the responsibility of the senior officer present to secure copies of certificates issued by the certified marine chemist or such person authorized by the Officer in Charge, Marine Inspection. It shall be the responsibility of the senior officer present, insofar as the persons under his control are concerned, to maintain a safe condition on the vessel by full observance of all qualifications and requirements listed by the marine chemist in the certificate.

[CGD 84-024, 52 FR 39652, Oct. 23, 1987, as amended by GCD 95-072, 60 FR 50463, Sept. 29, 1995]

Subpart 71.65—Plan Approval

§ 71.65-1 General.

(a) The list of required plans is general in character, but includes all plans in § 71.65-5 which normally show construction and safety features coming under the cognizance of the Coast Guard. In the case of a particular vessel, all of the plans enumerated may not be applicable, and it is intended that only those plans and specifications be submitted as will clearly show the vessel's arrangement, construction and required equipment.

(b) In the list of required plans in § 71.65-5 the items which must be approved by the American Bureau of Shipping for vessels classed by that organization are indicated by an asterisk. When prints bearing record of such approval by the American Bureau of Shipping are forwarded to the Coast Guard they will in general be accepted as satisfactory except insofar as the law or the Coast Guard regulations contain requirements which are not covered by the American Bureau of Shipping.

(c) Plans and specifications for cargo gear shall be approved by either a recognized classification society or a rec-

ognized cargo gear organization as defined in § 71.25-25.

[CGFR 65-50, 30 FR 16895, Dec. 30, 1965, as amended by CGD 95-028, 62 FR 51204, Sept. 30, 1997]

§ 71.65-5 Plans and specifications required for new construction.

- (a) *General.* (1) Specifications.
 (2) General Arrangement Plan of decks, holds, inner bottoms, etc., and including inboard and outboard profile.
 (b) *Hull structure.*¹
 (1) *Inner Bottom Plating and Framing.
 (2) *Midship Section.
 (3) *Shell Plating and Framing.
 (4) *Stem, Stern Frame, and Rudder.
 (5) *Structural Deck Plans for Strength Decks.
 (6) *Pillars and Girders.
 (7) *Watertight and Oiltight Bulkheads.
 (8) *Foundations for Main Machinery and Boilers.
 (9) *Arrangement of Ports, Doors, and Airports in Shell Plating.
 (10) *Hatch Coamings and Covers in Weather and Watertight Decks.
 (11) *Details of Hinged Subdivision Watertight Doors and Operating Gear.
 (12) *Scuppers and Drains Penetrating Shell Plating.
 (13) *Arrangement of the cargo gear including a stress diagram. The principal details of the gear and the safe working load for each component part shall be shown.

(c) *Subdivision and stability.* Plans and calculations required by subchapter S of this chapter.

(d) *Fire control.* (1) Fire control diagram showing location and type of all required fire-screen insulation, including main fire zone and subdivisions, stairway and elevator enclosures, control space enclosures, etc., and type of all doors in such subdivisions and enclosures.

(2) Comprehensive typical details of fire-screen insulation of both vertical

¹The Asterisk (*) indicates items that are approved by the American Bureau of Shipping for vessels classed by it. Items approved the American Bureau of Shipping are generally accepted as satisfactory unless the law or Coast Guard regulations contain requirements that are not covered by the American Bureau of Shipping.

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and horizontal surfaces, including deck coverings where used, keyed by reference numbers to the "fire control diagram".

(3) Ventilation diagram including dampers and other fire control features.

(4) Alarm systems.

(5) Detecting systems.

(6) Extinguishing systems, including fire mains, carbon dioxide, foam, and sprinkling systems.

(7) Supervised Patrol Route.

(e) *Marine engineering.* (1) For plans required for marine engineering equipment and systems, see subchapter F (Marine Engineering) of this chapter.

(2) [Reserved]

(f) *Electrical engineering.* (1) For plans required for electrical engineering equipment and systems, see subchapter J (Electrical Engineering) of this chapter.

(2) [Reserved]

(g) *Lifesaving equipment.* (1) These plans are to show the location and arrangement of embarkation decks, all overboard discharges and projections in way of launching lifeboats, weights of lifeboats fully equipped and loaded, working loads of davits and winches, types and sizes of falls, the manufacturer's name and identification for all equipment, and all other relevant and necessary information.

(i) Arrangement of lifeboats.

(ii) Arrangement of davits.

(iii) Location and stowage of liferafts and buoyant apparatus.

(2) [Reserved]

(h) *Crew's accommodations.* (1) Arrangement plans showing accommodations, ventilation, escapes, hospital, and sanitary facilities for all crewmembers.

(2) [Reserved]

(i) *Navigation bridge visibility.* For vessels of 100 meters (328 feet) or more in length contracted for on or after September 7, 1990, a plan must be included which shows how visibility from the navigation bridge will meet the standards contained in §72.04-1 of this subchapter.

[CGFR 65-50, 30 FR 16895, Dec. 30, 1965, as amended by CGD 79-023, 48 FR 51007, Nov. 4, 1983; CGD 85-099, 55 FR 32247, Aug. 8, 1990; CGD 88-032, 56 FR 35824, July 29, 1991]

§71.65-10 Plans required for alterations of existing vessels.

(a) In the event of alterations involving the safety of the vessel, the applicable plans shall be submitted for approval covering the proposed work, except as modified by §71.55-1(b). The general scope of the plans shall be as noted in §71.65-5.

(b) [Reserved]

§71.65-15 Procedure for submittal of plans.

(a) As the relative location of shipyards, design offices, and Coast Guard offices vary throughout the country, no specific routing will be required in the submittal of plans. In general, one of the following procedures would apply, but in a particular case, if a more expeditious procedure can be used, there will be no objection to its adoption:

(1) The plans may be submitted to the Officer in Charge, Marine Inspection, in the district in which the vessel is to be built. This procedure will be most expeditious in the case of those offices where personnel and facilities are available for examination and approval of the plans locally.

(2) The plans may be submitted directly to Commanding Officer, U.S. Coast Guard Marine Safety Center, 400 Seventh St., SW., Washington, DC 20590-0001. In this case, the plans will be returned directly to the submitter, with a copy of the action being forwarded to the interested Officer in Charge, Marine Inspection.

(3) In the case of classed vessels, upon specific request by the submitter, the American Bureau of Shipping will arrange to forward the necessary plans to the Coast Guard indicating its action thereon. In this case, the plans will be returned as noted in paragraph (a)(2) of this section.

(b) [Reserved]

[CGFR 65-50, 30 FR 16895, Dec. 30, 1965, as amended by 60 FR 50463, Sept. 29, 1995; CGD 95-072, 60 FR 54106, Oct. 19, 1995]

§71.65-20 Number of plans required.

(a) Three copies of each plan are normally required so that one can be returned to the submitter. If the submitter desires additional approved