

Coast Guard, DHS

§ 96.30-90

the main steering stand unless the gy-
rocompass is illuminated and is at the
main steering stand.

[CGD 75-074, 42 FR 5963, Jan. 31, 1977]

Subpart 96.25—Radar

§ 96.25-1 When required.

All mechanically propelled vessels of
1,600 gross tons and over in ocean or
coastwise service must be fitted with a
marine radar system for surface navi-
gation. Facilities for plotting radar
readings must be provided on the
bridge.

[CGD 75-074, 42 FR 5964, Jan. 31, 1977]

Subpart 96.27—Sounding Equipment

§ 96.27-1 When required.

All mechanically propelled vessels of
500 gross tons and over in ocean or
coastwise service and all mechanically
propelled vessels of 500 gross tons and
over in Great Lakes service and certi-
ficated for service on the River St. Law-
rence eastward of the lower exit of the
St. Lambert Lock at Montreal, Canada,
must be fitted with an efficient elec-
tronic sounding apparatus.

[CGD 95-027, 61 FR 26007, May 23, 1996]

Subpart 96.30—Protection From Refrigerants

SOURCE: CGD 86-036, 57 FR 48325, Oct. 23,
1992, unless otherwise noted.

§ 96.30-1 Application.

(a) This subpart, except § 96.30-90, ap-
plies to each vessel that is contracted
for on or after November 23, 1992, and is
equipped with any refrigeration unit
using—

(1) Ammonia to refrigerate any space
with a volume of more than 20 cubic
feet; or

(2) Fluorocarbons to refrigerate any
space with a volume of more than 1000
cubic feet.

(b) Each vessel that is contracted for
before November 23, 1992, must satisfy
§ 96.30-90 if it is equipped with any re-
frigeration unit using—

(1) Ammonia to refrigerate any space
with a volume of more than 20 cubic
feet; or

(2) Fluorocarbons to refrigerate any
space with a volume of more than 1000
cubic feet.

§ 96.30-5 General.

(a) Each self-contained breathing ap-
paratus must be of the pressure-de-
mand, open-circuit type, approved by
the Mine Safety and Health Adminis-
tration (MSHA) and by the National
Institute for Occupational Safety and
Health (NIOSH), and have at a min-
imum a 30-minute air supply, a full
facepiece, and a spare charge.

(b) All equipment shall be main-
tained in an operative condition, and it
shall be the responsibility of the mas-
ter and chief engineer to ascertain that
a sufficient number of the crew are fa-
miliar with the operation of the equip-
ment.

[CGD 86-036, 57 FR 48325, Oct. 23, 1992; 57 FR
56406, Nov. 27, 1992]

§ 96.30-15 Self-contained breathing ap- paratus.

(a) Each vessel must have a self-con-
tained breathing apparatus for use as
protection against gas leaking from a
refrigeration unit.

(b) The self-contained breathing ap-
paratus required by paragraph (a) of
this section may be one of those re-
quired by § 96.35-10.

§ 96.30-90 Vessels contracted for be- fore November 23, 1992.

Vessels contracted for before Novem-
ber 23, 1992, must meet the following
requirements:

(a) Each vessels must satisfy §§ 96.30-
5 through 96.30-15 concerning the num-
ber of items and method of stowage of
equipment.

(b) Items of equipment previously ap-
proved, but not meeting the applicable
specifications set forth in § 96.30-5, may
continue in service as long as they are
maintained in good condition to the
satisfaction of the Officer in Charge,
Marine Inspection; but each item in an
installation or a replacement must
meet all applicable specifications.

(c) After November 23, 1994, each res-
pirator must either satisfy § 96.30-5(a)
or be a self-contained compressed-air

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breathing apparatus previously approved by MSHA and NIOSH under part 160, subpart 160.011, of this chapter.

Subpart 96.35—Fireman's Outfit

§ 96.35-1 Application.

This subpart, except § 96.35-90, applies to each vessel that is on an international voyage and is contracted for on or after November 23, 1992. Each vessel that is on an international voyage and is contracted for before November 23, 1992, must satisfy § 96.35-90.

[CGD 86-036, 57 FR 48325, Oct. 23, 1992]

§ 96.35-5 General.

(a) All flame safety lamps shall be of an approved type, constructed in accordance with subpart 160.016 of subchapter Q (Specifications) of this chapter.

(b) Each self-contained breathing apparatus must be of the pressure-demand, open-circuit type, approved by the Mine Safety and Health Administration (MSHA) and by the National Institute for Occupational Safety and Health (NIOSH), and have at a minimum a 30-minute air supply and full facepiece.

(c) Flashlights shall be Type II or Type III, constructed and marked in accordance with ASTM F 1014 (incorporated by reference, see § 96.01-3).

(d) All lifelines shall be of steel or bronze wire rope. Steel wire rope shall be either inherently corrosion-resistant, or made so by galvanizing or tinning. Each end shall be fitted with a hook with keeper having throat opening which can be readily slipped over a $\frac{3}{8}$ -inch bolt. The total length of the lifeline shall be dependent upon the size and arrangement of the vessel, and more than one line may be hooked together to achieve the necessary length. No individual length of lifeline may be less than 50 feet in length. The assembled lifeline shall have a minimum breaking strength of 1,500 pounds.

(e) All equipment shall be maintained in an operative condition, and it shall be the responsibility of the master and chief engineer to ascertain that a sufficient number of the crew are familiar with the operation of the equipment.

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(f) Boots and gloves shall be of rubber or other electrically nonconducting material.

(g) The helmet shall provide effective protection against impact.

(h) Protective clothing shall be of material that will protect the skin from the heat of fire and burns from scalding steam. The outer surface shall be water resistant.

[CGFR 65-50, 30 FR 17008, Dec. 30, 1965, as amended by CGFR 69-72, 34 FR 17485, Oct. 29, 1969; CGD 82-042, 53 FR 17705, May 18, 1988; CGD 86-036, 57 FR 48325, Oct. 23, 1992; USCG 1999-5151, 64 FR 67181, Dec. 1, 1999]

§ 96.35-10 Fireman's outfit.

(a) Each fireman's outfit must consist of one self-contained breathing apparatus, one lifeline with a belt or a suitable harness, one flashlight, one flame safety lamp, one rigid helmet, boots and gloves, protective clothing, and one fire ax. In lieu of the flame safety lamp, vessels may carry an oxygen depletion meter which is listed by a Coast Guard recognized independent laboratory as intrinsically safe.

(b) Every vessel shall carry at least two firemen's outfits.

[CGFR 69-72, 34 FR 17485, Oct. 29, 1969, as amended by CGD 86-036, 57 FR 48325, Oct. 23, 1992; CGD 95-028, 62 FR 51207, Sept. 30, 1997]

§ 96.35-15 Stowage.

The fireman's outfits must be stored in widely separated, accessible locations.

[CGD 75-074, 42 FR 5964, Jan. 31, 1977]

§ 96.35-20 Spare charges.

(a) A complete recharge shall be carried for each self-contained breathing apparatus, and a complete set of spare batteries shall be carried for each flashlight. The spares shall be stowed in the same location as the equipment it is to reactivate.

§ 96.35-90 Vessels contracted for before November 23, 1992.

Vessels contracted for before November 23, 1992, must meet the following requirements:

(a) Each vessel must satisfy §§ 96.35-5 through 96.35-20 concerning the number of items and method of stowage of equipment.