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Rules and Regulations

Title 7—AGRICULTURE

Chapter IX—Agricultural Marketing Service (Marketing Agreements and Orders), Department of Agriculture

[Navel Orange Reg. 191]

PART 914—NAVEL ORANGES GROWN IN ARIZONA AND DESIGNATED PART OF CALIFORNIA

Limitation of Handling

§ 914.491 Navel Orange Regulation 191.

(a) *Findings.* (1) Pursuant to the marketing agreement, as amended, and Order No. 14, as amended (7 CFR Part 914), regulating the handling of navel oranges grown in Arizona and designated part of California, effective under the applicable provisions of the Agricultural Marketing Agreement Act of 1937, as amended (7 U.S.C. 601-674), and upon the basis of the recommendations and information submitted by the Navel Orange Administrative Committee, established under the said amended marketing agreement and order, and upon other available information, it is hereby found that the limitation of handling of such navel oranges, as hereinafter provided, will tend to effectuate the declared policy of the act by tending to establish and maintain such orderly marketing conditions for such oranges as will provide, in the interests of producers and consumers, an orderly flow of the supply thereof to market throughout the normal marketing season to avoid unreasonable fluctuations in supplies and prices, and is not for the purpose of maintaining prices to farmers above the level which it is declared to be the policy of Congress to establish under the act.

(2) It is hereby further found that it is impracticable and contrary to the public interest to give preliminary notice, engage in public rule-making procedure, and postpone the effective date of this section until 30 days after publication hereof in the FEDERAL REGISTER (5 U.S.C. 1001-1011) because the time intervening between the date when information upon which this section is based became available and the time when this section must become effective in order to effectuate the declared policy of the act is insufficient, and a reasonable time is permitted, under the circumstances, for preparation for such effective time; and good cause exists for making the provisions hereof effective as hereinafter set forth. The committee held an open meeting during the current week, after giving due notice thereof, to consider supply and market conditions for navel oranges and the need for regulation; interested persons were afforded an opportunity to submit information and views at this meeting, the recommendation and supporting information for regulation during the period specified herein were promptly sub-

mitted to the Department after such meeting was held; the provisions of this section, including its effective time, are identical with the aforesaid recommendation of the committee, and information concerning such provisions and effective time has been disseminated among handlers of such navel oranges; it is necessary, in order to effectuate the declared policy of the act, to make this section effective during the period herein specified; and compliance with this section will not require any special preparation on the part of persons subject hereto which cannot be completed on or before the effective date hereof. Such committee meeting was held on November 3, 1960.

(b) *Order.* (1) The respective quantities of navel oranges grown in Arizona and designated part of California which may be handled during the period beginning at 12:01 a.m., P.s.t., November 6, 1960, and ending at 12:01 a.m., P.s.t., November 13, 1960, are hereby fixed as follows:

- (i) District 1: 150,430 cartons;
 - (ii) District 2: Unlimited movement;
 - (iii) District 3: Unlimited movement;
 - (iv) District 4: Unlimited movement.
- (2) As used in this section, "handled," "District 1," "District 2," "District 3," "District 4," and "carton" have the same meaning as when used in said amended marketing agreement and order.

(Secs. 1-19, 48 Stat. 31, as amended; 7 U.S.C. 601-674)

Dated: November 4, 1960.

S. R. SMITH,
Director, Fruit and Vegetable
Division, Agricultural Mar-
keting Service.

[F.R. Doc. 60-10474; Filed, Nov. 4, 1960;
11:13 a.m.]

[Orange Reg. 378]

PART 933—ORANGES, GRAPEFRUIT, TANGERINES, AND TANGELOS GROWN IN FLORIDA

Limitation of Shipments

§ 933.1027 Orange Regulation 378.

(a) *Findings.* (1) Pursuant to the marketing agreement, as amended, and Order No. 33, as amended (7 CFR Part 933), regulating the handling of oranges, grapefruit, tangerines, and tangelos grown in Florida effective under the applicable provisions of the Agricultural Marketing Agreement Act of 1937, as amended (7 U.S.C. 601-674), and upon the basis of the recommendations of the committees established under the aforesaid amended marketing agreement and order, and upon other available information, it is hereby found that the limitation of shipments of oranges, except Temple oranges, as hereinafter provided, will tend to effectuate the declared policy of the act.

(2) It is hereby further found that it is impracticable and contrary to the public interest to give preliminary notice, engage in public rule-making procedure, and postpone the effective date of this section until 30 days after publication thereof in the FEDERAL REGISTER (5 U.S.C. 1001-1011) because the time intervening between the date when information upon which this section is based became available and the time when this section must become effective in order to effectuate the declared policy of the act is insufficient; a reasonable time is permitted, under the circumstances, for preparation for such effective time; and good cause exists for making the provisions hereof effective as hereinafter set forth. Shipments of oranges, except Temple oranges, grown in the production area, are presently subject to regulation by grades and sizes, pursuant to the amended marketing agreement and order; the recommendation and supporting information for regulation during the period specified herein were promptly submitted to the Department after an open meeting of the Growers Administrative Committee on November 1, 1960, such meeting was held to consider recommendations for regulation, after giving due notice of such meeting, and interested persons were afforded an opportunity to submit their views at this meeting; the provisions of this section, including the effective time hereof, are identical with the aforesaid recommendation of the committee, and information concerning such provisions and effective time has been disseminated among handlers of such oranges; it is necessary, in order to effectuate the declared policy of the act, to make this section effective during the period hereinafter set forth so as to provide for the continued regulation of the handling of oranges, except Temple oranges, and compliance with this section will not require any special preparation on the part of the persons subject thereto which cannot be completed by the effective time hereof.

(b) *Order.* (1) Terms used in the amended marketing agreement and order shall, when used herein, have the same meaning as is given to the respective term in said amended marketing agreement and order; and terms relating to grade, diameter, standard pack, and standard box, as used herein, shall have the same meaning as is given to the respective term in the United States Standards for Florida Oranges and Tangelos (§§ 51.1140-51.1178 of this title; 25 F.R. 8211).

(2) During the period beginning at 12:01 a.m., e.s.t., November 7, 1960, and ending at 12:01 a.m., e.s.t., November 21, 1960, no handler shall ship between the production area and any point outside thereof in the continental United States, Canada, or Mexico:

- (i) Any oranges, except Temple oranges, grown in the production area,

which do not grade at least U.S. No. 1 Russet; or

(ii) Any oranges, except Temple oranges, grown in the production area, which are of a size smaller than $2\frac{5}{16}$ inches in diameter, except that a tolerance of 10 percent, by count, of oranges smaller than such minimum diameter shall be permitted, which tolerance shall be applied in accordance with the provisions for the application of tolerances specified in said United States Standards for Florida Oranges and Tangelos: *Provided*, That in determining the percentage of oranges in any lot which are smaller than $2\frac{5}{16}$ inches in diameter, such percentage shall be based only on those oranges in such lot which are of a size $2\frac{1}{16}$ inches in diameter or smaller.

(Secs. 1-19, 48 Stat. 31, as amended; 7 U.S.C. 601-674)

Dated: November 2, 1960.

S. R. SMITH,
Director, Fruit and Vegetable
Division, Agricultural Mar-
keting Service.

[F.R. Doc. 60-10416; Filed, Nov. 4, 1960;
8:48 a.m.]

[Tangerine Reg. 217]

PART 933—ORANGES, GRAPEFRUIT, TANGERINES, AND TANGELOS, GROWN IN FLORIDA

Limitation of Shipments

§ 933.1029 Tangerine Regulation 217.

(a) *Findings.* (1) Pursuant to the marketing agreement, as amended, and Order No. 33, as amended (7 CFR Part 933), regulating the handling of oranges, grapefruit, tangerines, and tangelos grown in Florida, effective under the applicable provisions of the Agricultural Marketing Agreement Act of 1937, as amended (7 U.S.C. 601-674), and upon the basis of the recommendations of the committees established under the aforesaid amended marketing agreement and order, and upon other available information, it is hereby found that the limitation of shipments of tangerines, as hereinafter provided, will tend to effectuate the declared policy of the act.

(2) It is hereby further found that it is impracticable and contrary to the public interest to give preliminary notice, engage in public rule-making procedure, and postpone the effective date of this section until 30 days after publication thereof in the FEDERAL REGISTER (5 U.S.C. 1001-1011) because the time intervening between the date when information upon which this section is based became available and the time when this section must become effective in order to effectuate the declared policy of the act is insufficient; a reasonable time is permitted, under the circumstances, for preparation for such effective time; and good cause exists for making the provisions hereof effective as hereinafter set forth. Shipments of tangerines, grown in the production area, are presently subject to regulation by grades and sizes, pursuant to the amended marketing agreement

and order; the recommendation and supporting information for regulation during the period specified herein were promptly submitted to the Department after an open meeting of the Growers Administrative Committee on November 1, 1960, such meeting was held to consider recommendations for regulation, after giving due notice of such meeting, and interested persons were afforded an opportunity to submit their views at this meeting; the provisions of this section, including the effective time hereof, are identical with the aforesaid recommendation of the committee, and information concerning such provisions and effective time has been disseminated among handlers of such tangerines; it is necessary, in order to effectuate the declared policy of the act, to make this section effective during the period hereinafter set forth so as to provide for the continued regulation of the handling of tangerines, and compliance with this section will not require any special preparation on the part of the persons subject thereto which cannot be completed by the effective time hereof.

(b) *Order.* (1) Terms used in the amended marketing agreement and order shall, when used herein, have the same meaning as is given to the respective term in said amended marketing agreement and order; and terms relating to grade, diameter, and standard pack, as used herein, shall have the same meaning as is given to the respective term in the United States Standards for Florida Tangerines (§§ 51.1810-51.1834 of this title; 25 F.R. 8216).

(2) During the period beginning at 12:01 a.m., e.s.t., November 7, 1960, and ending at 12:01 a.m., e.s.t., November 21, 1960, no handler shall ship between the production area and any point outside thereof in the continental United States, Canada, or Mexico:

(i) Any tangerines, grown in the production area, that do not grade at least U.S. No. 1; or

(ii) Any tangerines, grown in the production area, that are of a size smaller than the size that will pack 210 tangerines, packed in accordance with the requirements of a standard pack, in a half-standard box (inside dimensions $9\frac{1}{2}$ x $9\frac{1}{2}$ x $19\frac{1}{8}$ inches; capacity 1,726 cubic inches).

(Secs. 1-19, 48 Stat. 31, as amended; 7 U.S.C. 601-674)

Dated: November 2, 1960.

S. R. SMITH,
Director, Fruit and Vegetable
Division, Agricultural Mar-
keting Service.

[F.R. Doc. 60-10417; Filed, Nov. 4, 1960;
8:49 a.m.]

[Tangelo Reg. 23]

PART 933—ORANGES, GRAPEFRUIT, TANGERINES, AND TANGELOS GROWN IN FLORIDA

Limitation of Shipments

§ 933.1030 Tangelo Regulation 23.

(a) *Findings.* (1) Pursuant to the marketing agreement, as amended, and

Order No. 33, as amended (7 CFR Part 933), regulating the handling of oranges, grapefruit, tangerines, and tangelos grown in Florida, effective under the applicable provisions of the Agricultural Marketing Agreement Act of 1937, as amended (7 U.S.C. 601-674), and upon the basis of the recommendations of the committees established under the aforesaid amended marketing agreement and order, and upon other available information, it is hereby found that the limitation of shipments of tangelos, as hereinafter provided, will tend to effectuate the declared policy of the act.

(2) It is hereby further found that it is impracticable and contrary to the public interest to give preliminary notice, engage in public rule-making procedure, and postpone the effective date of this section until 30 days after publication thereof in the FEDERAL REGISTER (5 U.S.C. 1001-1011) because the time intervening between the date when information upon which this section is based became available and the time when this section must become effective in order to effectuate the declared policy of the act is insufficient; a reasonable time is permitted, under the circumstances, for preparation for such effective time; and good cause exists for making the provisions hereof effective as hereinafter set forth. Shipments of tangelos, grown in the production area, are presently subject to regulation by grades and sizes, pursuant to the amended marketing agreement and order; the recommendation and supporting information for regulation during the period specified herein were promptly submitted to the Department after an open meeting of the Growers Administrative Committee on November 1, 1960, such meeting was held to consider recommendations for regulation, after giving due notice of such meeting, and interested persons were afforded an opportunity to submit their views at this meeting; the provisions of this section, including the effective time hereof, are identical with the aforesaid recommendation of the committee, and information concerning such provisions and effective time has been disseminated among handlers of such tangelos; it is necessary, in order to effectuate the declared policy of the act, to make this section effective during the period hereinafter set forth so as to provide for the continued regulation of the handling of tangelos, and compliance with this section will not require any special preparation on the part of the persons subject thereto which cannot be completed by the effective time hereof.

(b) *Order.* (1) Terms used in the amended marketing agreement and order shall, when used herein, have the same meaning as is given to the respective term in said amended marketing agreement and order; and terms relating to grade, diameter, standard pack, and standard box, as used herein, shall have the same meaning as is given to the respective term in the United States Standards for Florida Oranges and Tangelos (§§ 51.1140-51.1178 of this title; 25 F.R. 8211).

(2) During the period beginning at 12:01 a.m., e.s.t., November 7, 1960, and ending at 12:01 a.m., e.s.t., November 21,

1960, no handler shall ship between the production area and any point outside thereof in the continental United States, Canada, or Mexico:

(i) Any tangelos, grown in the production area, which do not grade at least U.S. No. 1 Russet; or

(ii) Any tangelos, grown in the production area, which are of a size smaller than $2\frac{5}{16}$ inches in diameter, except that a tolerance of 10 percent, by count, of tangelos smaller than such minimum diameter shall be permitted, which tolerance shall be applied in accordance with the provisions for the application of tolerances specified in said United States Standards for Florida Oranges and Tangelos.

(Secs. 1-19, 48 Stat. 31, as amended; 7 U.S.C. 601-674)

Dated: November 2, 1960.

S. R. SMITH,
Director, Fruit and Vegetable
Division, Agricultural Mar-
keting Service.

[F.R. Doc. 60-10418; Filed, Nov. 4, 1960;
8:49 a.m.]

[Lemon Reg. 871]

PART 953—LEMONS GROWN IN CALIFORNIA AND ARIZONA

Limitation of Handling

§ 953.978 Lemon Regulation 871.

(a) *Findings.* (1) Pursuant to the marketing agreement, as amended, and Order No. 53, as amended (7 CFR Part 953; 23 F.R. 9053), regulating the handling of lemons grown in California and Arizona, effective under the applicable provisions of the Agricultural Marketing Agreement Act of 1937, as amended (7 U.S.C. 601 et seq.; 68 Stat. 906, 1047), and upon the basis of the recommendation and information submitted by the Lemon Administrative Committee, established under the said amended marketing agreement and order, and upon other available information, it is hereby found that the limitation of handling of such lemons as hereinafter provided will tend to effectuate the declared policy of the act.

(2) It is hereby further found that it is impracticable and contrary to the public interest to give preliminary notice, engage in public rule-making procedure, and postpone the effective date of this section until 30 days after publication hereof in the FEDERAL REGISTER (60 Stat. 237; 5 U.S.C. 1001 et seq.) because the time intervening between the date when information upon which this section is based becomes available and the time when this section must become effective in order to effectuate the declared policy of the act is insufficient, and a reasonable time is permitted, under the circumstances, for preparation for such effective time; and good cause exists for making the provisions hereof effective as hereinafter set forth. The committee held an open meeting during the current week, after giving due notice thereof, to consider supply and market conditions for lemons and the need for regulation;

interested persons were afforded an opportunity to submit information and views at this meeting; the recommendation and supporting information for regulation during the period specified herein were promptly submitted to the Department after such meeting was held; the provisions of this section, including its effective time, are identical with the aforesaid recommendation of the committee, and information concerning such provisions and effective time has been disseminated among handlers of such lemons; it is necessary, in order to effectuate the declared policy of the act, to make this section effective during the period herein specified; and compliance with this section will not require any special preparation on the part of persons subject hereto which cannot be completed on or before the effective date hereof. Such committee meeting was held on November 1, 1960.

(b) *Order.* (1) The respective quantities of lemons grown in California and Arizona which may be handled during the period beginning at 12:01 a.m., P.s.t., November 6, 1960, and ending at 12:01 a.m., P.s.t., November 13, 1960, are hereby fixed as follows:

- (i) District 1: Unlimited movement;
- (ii) District 2: 186,000 cartons;
- (iii) District 3: 74,400 cartons.

(2) As used in this section, "handled," "District 1," "District 2," "District 3," and "carton" have the same meaning as when used in the said amended marketing agreement and order.

(Secs. 1-19, 48 Stat. 31, as amended; 7 U.S.C. 601-674)

Dated: November 3, 1960.

S. R. SMITH,
Director, Fruit and Vegetable
Division, Agricultural Mar-
keting Service.

[F.R. Doc. 60-10438; Filed, Nov. 4, 1960;
8:49 a.m.]

PART 1031—ORANGES AND GRAPE- FRUIT GROWN IN LOWER RIO GRANDE VALLEY IN TEXAS

Expenses and Fixing of Rate of As- sessment for Initial (1960-61) Fiscal Period

Pursuant to the marketing agreement and Order No. 131 (7 CFR Part 1031; 25 F.R. 9093), regulating the handling of oranges and grapefruit grown in the lower Rio Grande Valley in Texas, effective under the applicable provisions of the Agricultural Marketing Agreement Act of 1937, as amended (7 U.S.C. 601-674), and upon the basis of the proposals submitted by the Texas Valley Citrus Committee (established pursuant to said marketing agreement and order), it is hereby found and determined that:

§ 1031.201 Expenses and rate of assess- ment for the initial (1960-61) fiscal period.

(a) *Expenses.* The expenses that are reasonable and likely to be incurred by the Texas Valley Citrus Committee, established pursuant to the provisions of

the aforesaid marketing agreement and order, to enable such committee to perform its functions, in accordance with the provisions thereof, during the initial fiscal period beginning September 22, 1960, and ending July 31, 1961, will amount to \$35,000.

(b) *Rate of assessment.* The rate of assessment, which each handler who first handles fruit shall pay as his pro rata share of the aforesaid expenses in accordance with the applicable provisions of said marketing agreement and order is hereby fixed at one-half cent (\$0.0050) per 1% bushel box of fruit, or its equivalent when packed in other containers or in bulk, so handled by such handler during such fiscal period.

(c) It is hereby further found that it is impracticable, unnecessary, and contrary to the public interest to give preliminary notice, and engage in public rule-making procedure, and good cause exists for not postponing the effective date hereof until 30 days after publication in the FEDERAL REGISTER (5 U.S.C. 1001-1011) in that (1) shipments of fresh fruit are now being made; (2) the rate of assessment is applicable to all fruit shipped during the aforesaid fiscal period; (3) the provisions hereof do not impose any obligations on a handler until such handler handles fruit; and (4) it is essential that the specification of assessment rate be issued immediately so as to enable the said Texas Valley Citrus Committee to perform its duties and functions in accordance with said marketing agreement and order.

Terms used in the marketing agreement and order shall, when used herein, have the same meaning as is given to the respective term in said marketing agreement and order. The terms hereof shall become effective upon publication in the FEDERAL REGISTER.

(Secs. 1-19, 48 Stat. 31, as amended; 7 U.S.C. 601-674)

Dated: November 2, 1960.

S. R. SMITH,
Director, Fruit and Vegetable
Division, Agricultural Mar-
keting Service.

[F.R. Doc. 60-10419; Filed, Nov. 4, 1960;
8:49 a.m.]

Title 14—AERONAUTICS AND SPACE

Chapter III—Federal Aviation Agency

SUBCHAPTER E—AIR NAVIGATION REGULATIONS

[Airspace Docket No. 59-LA-74]

PART 608—RESTRICTED AREAS

Modification

The purpose of this amendment to § 608.55 of the regulations of the Administrator is to modify the Queets, Wash., Restricted Area (R-239) (Seattle Chart).

Restricted Area (R-239) is presently used by the Department of the Navy for bombing, strafing and rocket firing from

the surface to 20,000 feet MSL on a continuous basis. The Navy has determined that their activities can be conducted in R-239 from sunrise to sunset and from the surface to 12,000 feet MSL. Therefore, the Federal Aviation Agency is modifying R-239 herein to reflect these changes.

Since the changes effected by this amendment are less restrictive in nature than the present requirements, and impose no additional burden on any person, notice and public procedure thereon are

unnecessary, and it may be made effective on less than 30 days' notice.

In consideration of the foregoing, and pursuant to the authority delegated to me by the Administrator (25 F.R. 8005), the following action is taken:

In § 608.55 *Washington*, the Queets, Wash., Restricted Area (R-239) (Seattle Chart) (23 F.R. 8590) is amended by deleting "Surface to 20,000 feet MSL." and "Continuous." and substituting therefor "Surface to 12,000 feet MSL." and "Sunrise to sunset." respectively.

This amendment shall become effective upon the date of publication in the **FEDERAL REGISTER**.

(Sec. 307(a), 72 Stat. 749; 49 U.S.C. 1348)

Issued in Washington, D.C., on October 31, 1960.

D. D. THOMAS,
Director, Bureau of
Air Traffic Management.

[F.R. Doc. 60-10375; Filed, Nov. 4, 1960;
8:45 a.m.]

[Reg. Docket No. 543; Amdt. 191]

PART 609—STANDARD INSTRUMENT APPROACH PROCEDURES

Miscellaneous Amendments

The amendments to standard instrument approach procedures contained herein are being adopted to become effective when indicated in order to promote safety. The revised procedures supersede the existing procedures of the same classification now in effect for the airports specified therein. For the convenience of the users, the revised procedures specify the complete procedure and indicate the changes to the existing procedures.

As a situation exists which demands immediate action in the interests of safety in air commerce, I find that compliance with the notice, procedure and effective date provisions of section 4 of the Administrative Procedure Act would be contrary to the public interest and is therefore not required.

Pursuant to the authority delegated to me by the Administrator (24 F.R. 5662), Part 609 is amended as follows:

1. The low or medium frequency range procedures prescribed in § 609.100(a) are amended to read in part:

LFR STANDARD INSTRUMENT APPROACH PROCEDURE

Bearings, headings, courses and radials are magnetic. Elevations and altitudes are in feet MSL. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles.

If an instrument approach procedure of the above type is conducted at the below named airport, it shall be in accordance with the following instrument approach procedure, unless an approach is conducted in accordance with a different procedure for such airport authorized by the Administrator of the Federal Aviation Agency. Initial approaches shall be made over specified routes. Minimum altitudes shall correspond with those established for en route operation in the particular area or as set forth below.

Transition				Ceiling and visibility minimums			
From—	To—	Course and distance	Minimum altitude (feet)	Condition	2-engine or less 65 knots or less	More than 65 knots	More than 2-engine, more than 65 knots
Oden FM CRP VOR	CP LFR CP LFR	Direct Direct	1400 1400	T-dn C-dn A-dn	300-1 500-1 800-2	300-1 500-1 800-2	200-½ 500-1½ 800-2

Radar Terminal Transition altitude 1400' within 20 miles. Radar control will provide 1000' vertical clearance within a 3-mile radius, or 500' vertical clearance within a 3- to 5-mile (inclusive) radius of tower 792' MSL 6 miles West of airport.

Procedure turn N side of NE crs, 039° Outbnd, 219° Inbnd, 1400' within 10 mi. Beyond 10 mi NA.

Minimum altitude over facility on final approach crs, 1000'.

Crs and distance, facility to airport, 216°—2.2 mi.

If visual contact not established upon descent to authorized landing minimums or if landing not accomplished within 2.2 miles, turn right and climb to 1800' on SW (231°) crs within 20 miles or, when directed by ATC, turn left, climb to 1400' on NE (039°) crs within 20 miles.

City, Corpus Christi; State, Tex.; Airport Name, International; Elev., 43'; Fac. Class., SBMLZ; Ident., CP; Procedure No. 1, Amdt. 1; Eff. Date, 19 Nov. 60; Sup. Amdt. No. Orig.; Dated, 27 Aug. 60

				T-dn	300-1	300-1	200-½
				C-d	500-1	500-1	500-1½
				C-n	500-1½	500-1½	500-1½
				S-d-35	500-1	500-1	500-1
				S-n-35	500-1½	500-1½	500-1½
				A-dn	800-2	800-2	800-2

Procedure turn E side S crs, 171° Outbnd, 351° Inbnd, 2200' within 10 miles.

Minimum altitude over facility on final approach crs, 1500'.

Crs and distance, facility to airport, 351—3.0.

If visual contact not established upon descent to authorized landing minimums or if landing not accomplished within 3.0 miles, climb to 2100' on N crs Grand Forks LFR within 20 miles.

NOTE: ADF procedure not authorized.

CAUTION: Tower 1168' MSL 9.4 mi SE of airport.

City, Grand Forks; State, N. Dak.; Airport Name, Municipal; Elev., 836'; Fac. Class., BMLZ; Ident., GR; Procedure No. 1, Amdt. 8; Eff. Date, 19 Nov. 60; Sup. Amdt. No. 7; Dated, 17 Dec. 55

All directions: Shuttle East crs, 052° Outbnd, 232° Inbnd, 4000' within 25 mi.				T-dn*	300-1	300-1	300-1
				C-dn**	500-2	500-2	500-2
				S-dn-25	500-2	500-2	500-2
				A-dn	800-2	800-2	800-2

Procedure turn N side E crs, 052° Outbnd, 232° Inbnd, 1500' within 10 miles.

Minimum altitude over facility on final approach crs, 1100'.

Crs and distance, facility to airport, 232°—5.3 mi.

If visual contact not established upon descent to authorized landing minimums or if landing not accomplished within 3.5 miles (Puffin Island FM), turn left. Climb to 4000' on East (052°) crs within 20 miles.

CAUTION: *Proceed to Kodiak LFR immediately after takeoff from all runways. Takeoff from Runways 25 and 28 not authorized. 200-½ authorized Runways 7 and 10, more than two engine, more than 65 knots.

** Maneuvering for approach to Runways 10, 25, 28, and 36 to be accomplished east of airport. Circling approach to Runway 7 and 10 not authorized.

Terrain within 1.5 nautical miles—North 1182', West 2488', South 1000'.

NOTE: Airport closed to all civil air traffic except in an emergency or when given special authorization by U.S. Navy.

City, Kodiak; State, Alaska; Airport Name, Kodiak U.S. Naval Station; Elev., 77'; Fac. Class., SBRAZ; Ident., NHB; Procedure No. 1, Amdt. 2; Eff. Date, 19 Nov. 60; Sup. Amdt. No. 1; Dated, 6 Aug. 60

2. The automatic direction finding procedures prescribed in § 609.100(b) are amended to read in part:

ADF STANDARD INSTRUMENT APPROACH PROCEDURE

Bearings, headings, courses and radials are magnetic. Elevations and altitudes are in feet MSL. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles.

If an instrument approach procedure of the above type is conducted at the below named airport, it shall be in accordance with the following instrument approach procedure, unless an approach is conducted in accordance with a different procedure for such airport authorized by the Administrator of the Federal Aviation Agency. Initial approaches shall be made over specified routes. Minimum altitudes shall correspond with those established for en route operation in the particular area or as set forth below.

Transition				Ceiling and visibility minimums			
From—	To—	Course and distance	Minimum altitude (feet)	Condition	2-engine or less		More than 2-engine, more than 65 knots
					65 knots or less	More than 65 knots	
ABI VOR.....	LOM.....	Direct.....	3800	T-dn.....	300-1	300-1	200-1½
AI-LFR.....	LOM.....	Direct.....	3800	C-dn.....	400-1	500-1	500-1½
				S-dn-35.....	400-1	400-1	400-1
				A-dn.....	800-2	800-2	800-2

Procedure turn E side of S crs, 170° outbnd, 350° inbnd, 3800' within 10 miles. Beyond 10 mi NA.

Minimum altitude over facility on final approach crs, 3400'.

Crs and distance, facility to airport, 350°—6.0 mi.

If visual contact not established upon descent to authorized landing minimums or if landing not accomplished within 6 miles after passing LOM, climb to 3100' on crs 350° within 20 miles or, when directed by ATC, turn right, climb to 3200' on R-085 of ABI-VOR.

CAUTION: Towers 2032' msl 2.6 mi WNW, 2115' msl 5.2 mi NW, 2067' msl 6.8 mi NW, 2685' msl 8.7 mi SSE, 2778' msl 7.9 mi SSW.

City, Abilene; State, Tex.; Airport Name, Municipal; Elev., 1778'; Fac. Class., LOM; Ident., AB; Procedure No. 1; Amdt. 1; Eff. Date, 19 Nov. 60; Sup. Amdt. No. Orig. Dated, 23 July 60

CRP VOR.....	LOM.....	Direct.....	1400	T-dn.....	300-1	300-1	200-1½
CP LFR.....	LOM.....	Direct.....	1400	C-dn.....	*400-1	*500-1	*500-1½
Robstown Int.....	LOM.....	Direct.....	1800	S-dn-13.....	*400-1	*400-1	*400-1
				A-dn.....	800-2	800-2	800-2

Radar Terminal Transition altitude 1400' within 20 miles. Radar control will provide 1000' vertical clearance within a 3-mile radius or 500' vertical clearance within a 3 to 5-mile (inclusive) radius of tower 792' msl 6 miles West of airport.

Procedure turn W side of NW crs, 307° Outbnd, 127° Inbnd, 1800' within 10 mi. Beyond 10 mi NA.

Minimum altitude over facility on final approach crs, 1400'.

Crs and distance, facility to airport, 127°—4.8 mi; #Tank Fix to airport, 1.6 mi.

If visual contact not established upon descent to authorized landing minimums or if landing not accomplished within 4.8 miles, turn right, climb to 1800' on CRP VOR R-227 within 20 miles or, when directed by ATC, turn left, climb to 1400' direct to CRP VOR and proceed outbound on R-040 within 20 miles.

*If #Tank Fix or ##Radar Fix not received, ceiling minimum is 600'.

#Tank Fix: Brng 127° from LOM & CRP-VOR R-210.

##Radar Fix: 1.6 mi from Rnwy 13 on final approach course may be used in lieu of #Tank Fix.

City, Corpus Christi; State, Tex.; Airport Name, International; Elev., 43'; Fac. Class., LOM; Ident., CR; Procedure No. 1, Amdt. 2; Eff. Date, 19 Nov 60; Sup. Amdt. No. 1; Dated, 8 Oct. 60

All directions.....	MHT RBn.....	Direct.....	MEA.....	T-d.....	500-1	500-1	
				C-d.....	800-1	800-1	
				S-dn.....	NA	NA	
				A-dn.....	NA	NA	

Procedure turn N side of crs, 057° Outbnd, 237° Inbnd, 2000' within 10 miles.

Minimum altitude over facility on final approach crs, 1300'.

Crs and distance, facility to airport, 237°—7.5 mi.

If visual contact not established upon descent to authorized landing minimums or if landing not accomplished within 7.5 miles, make an immediate right climbing turn to Manchester RBn at 2000'. Hold on 057° bearing from MHT RBn one minute pattern, left turns.

NOTES: No weather reporting available. Facility owned and operated by State of New Hampshire.

City, Nashua; State, N.H.; Airport Name, Boire Field; Elev., 193'; Fac. Class., MHW; Ident., MHT; Procedure No. 1, Amdt. 1; Eff. Date, 19 Nov. 60; Sup. Amdt. No. Orig. Dated, 3 Sept. 60

3. The very high frequency omnirange (VOR) procedures prescribed in § 609.100(c) are amended to read in part:

VOR STANDARD INSTRUMENT APPROACH PROCEDURE

Bearings, headings, courses and radials are magnetic. Elevations and altitudes are in feet MSL. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles.

If an instrument approach procedure of the above type is conducted at the below named airport, it shall be in accordance with the following instrument approach procedure, unless an approach is conducted in accordance with a different procedure for such airport authorized by the Administrator of the Federal Aviation Agency. Initial approaches shall be made over specified routes. Minimum altitudes shall correspond with those established for en route operation in the particular area or as set forth below.

Transition				Ceiling and visibility minimums			
From—	To—	Course and distance	Minimum altitude (feet)	Condition	2-engine or less		More than 2-engine, more than 65 knots
					65 knots or less	More than 65 knots	
CP LFR.....	CRP VOR.....	Direct.....	1400	T-dn.....	300-1	300-1	200-1½
				C-dn.....	700-1	700-1	700-1½
				S-dn.....	700-1	700-1	700-1
				A-dn.....	800-2	800-2	800-2

Radar Terminal Transition altitude 1400' within 20 miles. Radar control will provide 1000' vertical clearance within a 3-mile radius, or 500' vertical clearance within a 3 to 5-mile (inclusive) radius of tower 792' MSL 6 miles West of airport.

Procedure turn W side of crs, 011° Outbnd, 191° Inbnd, 1400' within 10 mi. Beyond 10 mi NA.

Minimum altitude over facility on final approach crs, 1100'.

Crs and distance, facility to airport, 191°—7.9 mi.

If visual contact not established upon descent to authorized landing minimums or if landing not accomplished within 7.9 miles, turn right, climb to 1800' on R-227 CRP-VOR within 20 mi or, when directed by ATC, turn left, climb to 1400' on R-040 within 20 mi.

City, Corpus Christi; State, Tex.; Airport Name, International; Elev., 43'; Fac. Class., BVORTAC; Ident., CRP; Procedure No. 1, Amdt. 2; Eff. Date, 19 Nov. 60; Sup. Amdt. No. 1; Dated, 8 Oct. 60

VOR STANDARD INSTRUMENT APPROACH PROCEDURE—Continued

Transition				Ceiling and visibility minimums			
From—	To—	Course and distance	Minimum altitude (feet)	Condition	2-engine or less		More than 2-engine, more than 65 knots
					65 knots or less	More than 65 knots	
GK-LFR	GFK-VOR	Direct	2000	T-dn C-d C-n S-d-31 and 35 S-n-31 and 35 A-dn	300-1 *500-1 *500-1½ *500-1 *500-1½ 800-2	300-1 *500-1 *500-1½ *500-1 *500-1½ 800-2	200-½ *500-1½ *500-1½ *500-1 *500-1½ 800-2

Procedure turn East side of crs, 151° Outbnd, 331° Inbnd, 2200' within 10 mi.

Minimum altitude over facility on final approach crs, 1500'.

Crs and distance, facility to Rnwy 31, 331°—6.5 mi; crs and distance, facility to Rnwy 35, 330°—6.5 mi.

If visual contact not established upon descent to authorized landing minimums or if landing not accomplished within 6.5 miles of GFK-VOR or within 2.8 mi after passing NE crs GK-LFR, climb to 2100' on GFK-VOR R-331 within 15 miles.

CAUTION: Tower 997' MSL 0.6 mi ESE of approach end of Rnwy 31. Tower 1168' MSL 9.4 mi SE of airport.

*Authorized only for aircraft equipped to receive GFK-VOR and GK-LFR simultaneously. If NE crs GK-LFR not identified on final, descent below 1400' MSL and ceiling minimums below 600' not authorized.

City, Grand Forks; State, N. Dak.; Airport Name, International; Elev., 836'; Fac. Class., BVOR; Ident., GFK; Procedure No. 1, Amdt. 1; Eff. Date, 19 Nov. 60; Sup. Amdt. No. Orig.; Dated, 21 May 60

Gladstone Int.	MGY-VOR	Direct	2400	T-dn	300-1	300-1	200-1
Mt. Holly Int.	MGY-VOR	Direct	2400	C-dn	700-1	700-1	700-1½
Middletown MHW	MGY-VOR	Direct	2200				
Camden Int.	MGY-VOR	Direct	2200				

Procedure turn South side of crs, 242° Outbnd, 062° Inbnd, 2200' within 10 miles.

Minimum altitude over facility on final approach crs, 2000'.

Facility on airport.

If visual contact not established upon descent to authorized landing minimums or if landing not accomplished, after passing VOR, make left climbing turn to 2200'. Hold SW on R-242 MGY-VOR, 2 min. left turns.

City, Miamisburg; State, Ohio; Airport Name, Montgomery County; Elev., 960'; Fac. Class., VOR; Ident., MGY; Procedure No. 1, Amdt. Orig.; Eff. Date, 19 Nov. 60

All directions	MHT VOR	Direct	MEA	T-d C-d S-dn A-dn	500-1 800-1 NA NA	500-1 800-1 NA NA	NA NA NA NA
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Procedure turn North side of crs, 065° Outbnd, 245° Inbnd, 2000' within 10 miles.

Minimum altitude over facility on final approach crs, 1300'.

Crs and distance, facility to airport, 245°—8.2 mi.

If visual contact not established upon descent to authorized landing minimums or if landing not accomplished within 8.2 miles, make an immediate right climbing turn to the Manchester VOR at 2000'. Hold on R-065 MHT-VOR, one minute pattern, left turns.

NOTE: No weather reporting available.

City, Nashua; State, N.H.; Airport Name, Boire Field; Elev., 193'; Fac. Class., BVOR; Ident., MHT; Procedure No. 1, Amdt. 1; Eff. Date, 19 Nov. 60; Sup. Amdt. No. Orig.; Dated, 3 Sept. 60

4. The terminal very high frequency omnirange (TerVOR) procedures prescribed in § 609.200 are amended to read in part:

TERMINAL VOR STANDARD INSTRUMENT APPROACH PROCEDURE

Bearings, headings, courses and radials are magnetic. Elevations and altitudes are in feet MSL. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles.

If an instrument approach procedure of the above type is conducted at the below named airport, it shall be in accordance with the following instrument approach procedure, unless an approach is conducted in accordance with a different procedure for such airport authorized by the Administrator of the Federal Aviation Agency. Initial approaches shall be made over specified routes. Minimum altitudes shall correspond with those established for en route operation in the particular area or as set forth below.

Transition				Ceiling and visibility minimums			
From—	To—	Course and distance	Minimum altitude (feet)	Condition	2-engine or less		More than 2-engine, more than 65 knots
					65 knots or less	More than 65 knots	
Flat Rock VOR	RIC VOR	Direct	2000	T-dn	300-1	300-1	200-½
Chester FM	RIC VOR	Direct	1500	C-dn	700-1	700-1	700-1½
Manakin RBN	RIC VOR	Direct	2000	S-dn-15	700-1	700-1	700-1
Biltmore Int*	RIC VOR (Final)	Direct	*900	A-dn	800-2	800-2	800-2

Procedure turn North side of crs, 338° Outbnd, 158° Inbnd, 1400' within 10 miles.

Minimum altitude over facility on final approach crs, 900'.

Crs and distance, breakoff point to approach end of runway, 154°—0.9 mi.

If visual contact not established upon descent to authorized landing minimums or if landing not accomplished within 0.9 mile, climb to 1500' on R-158 RIC VOR within 10 miles.

*Biltmore Int: R-085 Flat Rock & R-338 Richmond.

**Do not descend below 1400' until after passing Biltmore Int.

City, Richmond; State, Va.; Airport Name, Byrd Field; Elev., 167'; Fac. Class., BVOR; Ident., RIC; Procedure No. TerVOR-15, Amdt. 3; Eff. Date, 19 Nov. 60; Sup. Amdt. No. 2; Dated, 8 Oct. 60

Jessey Int	MVY-VOR	Direct	2000	T-dn C-dn S-dn-33 A-dn	300-1 500-1 500-1 NA	300-1 500-1 500-1 NA	200-½ 500-1½ 500-1 NA
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Procedure turn East side of crs, 157° Outbnd, 337° Inbnd, 1300' within 10 mi.

Minimum altitude over facility on final approach crs, 1100'.

Crs and distance, facility to airport, 326°—0.43 mi.

If visual contact not established upon descent to authorized landing minimums or if landing not accomplish within 0 mile, make left climbing turn to 1300', intercept and hold on R-195 MVY-VOR, one minute pattern, left turns.

NOTE: Alternate weather minimums of 800-2 authorized for those who have an approved arrangement for weather service at the airport.

City, Vineyard Haven; State, Mass.; Airport Name, Martha's Vineyard; Elev., 68'; Fac. Class., VOR; Ident., MVY; Procedure No. TerVOR-33, Amdt. 1; Eff. Date, 19 Nov. 60; Sup. Amdt. No. Orig.; Dated, 3 Sept. 60

TERMINAL VOR STANDARD INSTRUMENT APPROACH PROCEDURE—Continued

Transition				Ceiling and visibility minimums			
From—	To—	Course and distance	Minimum altitude (feet)	Condition	2-engine or less		More than 2-engine, more than 65 knots
					65 knots or less	More than 65 knots	
				T-dn.....	300-1	300-1	200-1½
				C-dn.....	700-1	700-1	700-1½
				S-dn-30.....	700-1	700-1	700-1½
				A-dn.....	800-2	800-2	800-2

Procedure turn North side of crs, 114° Outbnd, 294° Inbnd, 2100' within 10 miles.

Minimum altitude over facility on final approach crs, 1600'.

Crs and distance, break off point to Rwy 30, 302—0.3 mi.

If visual contact not established upon descent to authorized landing minimums or if landing not accomplished within 0.0 mile, climb to 2100' on R-308 within 20 miles.

City, Waterloo; State, Iowa; Airport Name, Municipal; Elev., 870'; Fac. Class., BVORTAC; Ident., ALO; Procedure No. TerVOR-30, Amdt. 2; Eff. Date, 19 Nov. 60; Sup. Amdt. No. 1; Dated, 8 Oct. 60

5. The instrument landing system procedures prescribed in § 609.400 are amended to read in part:

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

Bearings, headings, courses and radials are magnetic. Elevations and altitudes are in feet MSL. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles.

If an instrument approach procedure of the above type is conducted at the below named airport, it shall be in accordance with the following instrument approach procedures, unless an approach is conducted in accordance with a different procedure for such airport authorized by the Administrator of the Federal Aviation Agency. Initial approaches shall be made over specified routes. Minimum altitudes shall correspond with those established for en route operation in the particular area or as set forth below.

Transition				Ceiling and visibility minimums			
From—	To—	Course and distance	Minimum altitude (feet)	Condition	2-engine or less		More than 2-engine, more than 65 knots
					65 knots or less	More than 65 knots	
Morton Int.....	River Grove Int*.....	Via Radar Vector**.	-----	T-dn.....	300-1	300-1	200-1½
Spring Lake Int.....	River Grove Int*.....	Via Radar Vector**.	-----	C-dn.....	400-1	500-1	500-1½
				S-dn-32L.....	400-1	400-1	400-1
				A-dn.....	800-2	800-2	800-2

**Radar Terminal Area Transitions: All directions, 2500' within 20 mi.

320°—150°—2000' within 10 mi.

150°—320°—2500' within 10 mi.

All bearings are from radar site with sector azimuths progressing clockwise.

Procedure turn NA.

Minimum altitude over River Grove Int* on final approach crs, 2000'.

Crs and distance, River Grove Int* to airport, 318°—4.3 mi.

If visual contact not established upon descent to authorized landing minimums or if landing not accomplished within 4.3 miles after passing River Grove Int*, make immediate right turn, climb to 2500' and proceed to OBK-VOR via OBK R-170 or, when directed by ATC, (1) climb to 3500', proceed to Spring Lake Int via ORD R-300; (2) Climb to 2500', proceed to OHA LOM.

NOTES: Arrival radar at O'Hare and departure radar at Midway must be operative. Radar transition to final approach course authorized. Aircraft will be released for final approach without procedure turn on inbound approach course, inbound to River Grove Int.

*River Grove Int: Int R-051 API-VOR and SE crs ORD ILS (Romeo).

City, Chicago; State, Ill.; Airport Name, O'Hare International; Elev., 667'; Fac. Class., ILS; Ident., I-ORD; Procedure No. ILS-32L, Amdt. 1; Eff. Date, 19 Nov. 60; Sup. Amdt. No. Orig.; Dated, 1 Oct. 60

CRP-VOR.....	LOM.....	Direct.....	1400	T-dn.....	300-1	300-1	200-1½
CP-LFR.....	LOM.....	Direct.....	1400	C-dn.....	400-1	500-1	500-1½
Robstown Int.....	LOM.....	Direct.....	1800	S-dn-13.....	200-1½	200-1½	200-1½
				A-dn.....	600-2	600-2	600-2

Radar Terminal Transition altitude 1400' within 20 miles. Radar control will provide 1000' vertical clearance within a 3-mile radius, or 500' vertical clearance within a 3 to 5-mile (inclusive) radius of tower 792' MSL 6 miles West of airport.

Procedure turn W side of NW crs, 307° Outbnd, 127° Inbnd, 1800' within 10 mi. Beyond 10 mi NA.

Altitude of Glide Slope and distance to approach end of Rwy at LOM, 1400'—4.8 mi; at LMM, 244'—0.5 mi.

If visual contact not established upon descent to authorized landing minimums or if landing not accomplished turn right, climb to 1800' on CRP-VOR R-227 within 20 miles or, when directed by ATC, turn left, climb to 1400' direct to CRP-VOR and proceed outbound on R-040 within 20 miles.

City, Corpus Christi; State, Tex.; Airport Name, International; Elev., 43'; Fac. Class., ILS; Ident., I-CRP; Procedure No. ILS-13, Amdt. 1; Eff. Date, 19 Nov. 60 or upon com. of facility; Sup. Amdt. No. Orig.; Dated, 10 Sept. 60

DAB-VOR.....	LOM.....	Direct.....	1400	T-dn.....	300-1	300-1	200-1½
DB-LFR.....	LOM.....	Direct.....	1400	C-dn.....	400-1	500-1	500-1½
Smyrna Int.....	LOM.....	Direct.....	1400	S-dn-6*.....	300-¾	300-¾	300-¾
Lake Helen Int.....	LOM.....	Direct.....	1400	A-dn.....	600-2	600-2	600-2
Woodruff Int.....	LOM (Final).....	Direct.....	1400				
Barberville Int.....	LOM.....	Direct.....	1400				

Procedure turn South side of crs, 245° Outbnd, 065° Inbnd, 1400' within 10 mi. Beyond 10 mi NA.

Minimum altitude at Glide Slope interception Inbnd, 1400'.

Altitude of G.S. and distance to approach end of Runway at OM, 1400'—5.0 mi; at MM, 233'—0.6 mi.

If visual contact not established upon descent to authorized landing minimums or if landing not accomplished climb to 1400' on NE crs ILS, make right turn and return to LOM.

*No approach lights.

City, Daytona Beach; State, Fla.; Airport Name, Municipal; Elev., 34'; Fac. Class., ILS; Ident., I-DAB; Procedure No. 1, Amdt. Orig.; Eff. Date, 19 Nov. 60

ILS STANDARD INSTRUMENT APPROACH PROCEDURE—Continued

Transition				Ceiling and visibility minimums			
From—	To—	Course and distance	Minimum altitude (feet)	Condition	2-engine or less		More than 2-engine, more than 65 knots
					65 knots or less	More than 65 knots	
Glen Cove MHW	OM (Final)	Direct	1500	T-dn	300-1	300-1	200-1½
Mitchel LFR	OM	Direct	1500	C-dn	400-1	500-1	500-1½
Idlewild VOR	OM	Direct	1500	S-dn-22L*	200-1½	200-1½	200-1½
				A-dn	600-2	600-2	600-2

Radar Terminal Area Transition Altitudes: All directions—within 25 mi, 2500'; E of NE/SW crs LaGuardia LFR—within 15 mi, 1500'.

Procedure turn East side of NE crs, 043° Outbnd, 223° Inbnd, 1500' within 10 mi of OM. (Nonstandard to avoid LGA traffic.)

Minimum altitude at Glide Slope int inbnd, 1500'.

Altitude of Glide Slope and distance to approach end of Runway at OM, 1514'—5.5 mi; at MM, 199'—0.6 mi.

If visual contact not established upon descent to authorized landing minimums or if landing not accomplished climb to 1000' on SW crs ILS and proceed to Scotland MHW (Int.). After Scotland, climb to 1500'. Hold SW of Scotland MHW (Int.) one minute, right turns. Contact IDL approach control for further instructions.

CAUTION: Circling minimums do not provide standard clearance over the following obstructions: 278' stack 1.1 mi SE of Rwy 4; 185' control tower on airport.

Major Change: Deletes Caution Note re 290' tower 2.2 miles SE of the OM.

*400-¾ required with Glide Slope inoperative.

City, New York; State, N.Y.; Airport Name, International; Elev., 12'; Fac. Class., ILS; Ident., I-WY; Procedure No. ILS-22L, Amdt. 1; Eff. Date, 19 Nov. 60; Sup. Amdt. No. Orig.; Dated, 2 July 60

Wheeling VOR	LOM	Direct	2600	T-dn	300-1	300-1	200-1½
				C-dn	600-1	700-1	700-1½
				S-dn-3*	300-¾	300-¾	300-¾
				A-dn	600-2	700-2	700-2

Procedure turn E side crs 210° Outbnd, 030° Inbnd, 2600' within 10 miles of the LOM.

Minimum altitude at Glide Slope int inbnd, 2300'.

Altitude of Glide Slope and distance to approach end of rwy at OM, 2270'—4.0 mi; at MM, 1360'—0.6 mi.

If visual contact not established upon descent to authorized landing minimums or if landing not accomplished make a climbing left turn to 2600' or higher as directed by ATC and return to the LOM.

Air Carrier Note: Night operations on Runway 9-27 and takeoffs on Runway 9NA for aircraft over 12,500 lbs. gross weight.

Note: High intensity runway lights on 3-21.

*500-¾ required with glide slope inoperative.

City, Wheeling; State, W. Va.; Airport Name, Ohio County; Elev., 1195'; Fac. Class., ILS; Ident., I-HLG; Procedure No. ILS-3, Amdt. 2; Eff. Date, 19 Nov. 60; Sup. Amdt. No. 1; Dated, 2 May 59

These procedures shall become effective on the dates specified therein.

(Secs. 313(a), 307(c), 72 Stat. 752, 749; 49 U.S.C. 1354(a), 1348(c))

Issued in Washington, D.C., on October 24, 1960.

GEORGE C. PRILL,
Acting Director, Bureau of Flight Standards.

[F.R. Doc. 60-10109; Filed, Nov. 4, 1960; 8:50 a.m.]

[Reg. Docket No. 553; Amdt. 192]

PART 609—STANDARD INSTRUMENT APPROACH PROCEDURES

Miscellaneous Amendments

The amendments to standard instrument approach procedures contained herein are being adopted to become effective when indicated in order to promote safety. The revised procedures supersede the existing procedures of the same classification now in effect for the airports specified therein. For the convenience of the users, the revised procedures specify the complete procedure and indicate the changes to the existing procedures.

As a situation exists which demands immediate action in the interests of safety in air commerce, I find that compliance with the notice, procedure and effective date provisions of section 4 of the Administrative Procedure Act would be contrary to the public interest and is therefore not required.

Pursuant to the authority delegated to me by the Administrator (24 F.R. 5662), Part 609 is amended as follows:

1. The automatic direction finding procedures prescribed in § 609.100(b) are amended to read in part:

ADF STANDARD INSTRUMENT APPROACH PROCEDURE

Bearings, headings, courses and radials are magnetic. Elevations and altitudes are in feet MSL. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles.

If an instrument approach procedure of the above type is conducted at the below named airport, it shall be in accordance with the following instrument approach procedure, unless an approach is conducted in accordance with a different procedure for such airport authorized by the Administrator of the Federal Aviation Agency. Initial approaches shall be made over specified routes. Minimum altitudes shall correspond with those established for en route operation in the particular area or as set forth below.

Transition				Ceiling and visibility minimums			
From—	To—	Course and distance	Minimum altitude (feet)	Condition	2-engine or less		More than 2-engine, more than 65 knots
					65 knots or less	More than 65 knots	
Excelsior Int.	LOM	Direct	2300	T-dn	300-1	300-1	200-1½
FGT-VOR	LOM	Direct	2300	C-dn	500-1	500-1	500-1½
St Paul Int.	LOM	Direct	2300	S-dn-4	500-1	500-1	500-1
MP-LFR	LOM	Direct	2300	A-dn	800-2	800-2	800-2
MSP-VOR	LOM	R-165	2500				
All sectors of radar site within 20 miles	LOM	As directed by ATC.	2500				

Procedure turn South side of crs, 219° Outbnd, 039° Inbnd, 2300' within 10 mi.

Minimum altitude over facility on final approach crs. 1800'.

Crs and distance, facility to airport, 039°—4.5 mi.

If visual contact not established upon descent to authorized landing minimums or if landing not accomplished within 4.5 mi after passing LOM, climb to 2500' on crs 039° from LOM within 20 miles.

City, Minneapolis; State, Minn.; Airport Name, Minneapolis-St. Paul International; Elev., 840'; Fac. Class., LOM; Ident., MI; Procedure No. 2, Amdt. 1; Eff. Date, 26 Nov. 60; Sup. Amdt. No. Orig.; Dated 4 July 59

2. The very high frequency omnirange (VOR) procedures prescribed in § 609.100(c) are amended to read in part:

VOR STANDARD INSTRUMENT APPROACH PROCEDURE

Bearings, headings, courses and radials are magnetic. Elevations and altitudes are in feet MSL. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles.

If an instrument approach procedure of the above type is conducted at the below named airport, it shall be in accordance with the following instrument approach procedure, unless an approach is conducted in accordance with a different procedure for such airport authorized by the Administrator of the Federal Aviation Agency. Initial approaches shall be made over specified routes. Minimum altitudes shall correspond with those established for en route operation in the particular area or as set forth below.

Transition				Ceiling and visibility minimums			
From—	To—	Course and distance	Minimum altitude (feet)	Condition	2-engine or less		More than 2-engine, more than 65 knots
					65 knots or less	More than 65 knots	
Brunswick MH	SSI-VOR	Direct	1100	T-dn C-dn S-dn-4# A-dn	300-1 #400-1 400-1 800-2	300-1 500-1 400-1 800-2	200-½ 500-1½ 400-1 800-2

Procedure turn E side of crs, 203° Outbnd, 023° Inbnd, 1100' within 10 mi.

Minimum altitude over facility on final approach crs, 1000'.

Crs and distance, facility to airport, 023°—6.3 mi.

If visual contact not established upon descent to authorized landing minimums or if landing not accomplished within 6.3 mi, turn right*, climb to 1100' on R-203 SSI-VOR within 20 mi.

*Provides separation from Navy Glyco traffic.

#If 320° brng to NEA RBN not received, descent below 500' NA and ceiling minima become 500'.

City, Brunswick; State, Ga.; Airport Name, Malcolm McKinnon; Elev., 20'; Fac. Class., BVOR; Ident., SSI; Procedure No. 1, Amdt. 1; Eff. Date, 26 Nov. 60; Sup. Amdt. No. Orig.; Dated, 15 Jan. 60

Morton Int.	OBK-VOR	Direct	2000	T-dn*	300-1	300-1	200-½
Spring Lake Int.	OBK-VOR	Direct	2200	C-dn*	500-1	500-1	500-1½
				A-dn*	NA	NA	NA

Procedure turn North side of crs, 306° Outbnd, 126° Inbnd, 2200' within 10 miles. Nonstandard due to O'Hare approach area.

Minimum altitude over facility on final approach crs, 1700'.

Crs and distance, facility to airport, 126°—4.5 mi.

If visual contact not established upon descent to authorized landing minimums or if landing not accomplished within 4.5 miles after passing OBK-VOR, make climbing left turn, proceed direct to OBK-VOR at 2500'. Enter holding pattern on R-091 OBK-VOR.

CAUTION: Gas tank 905' MSL located ¼ mile NE of airport.

NOTES: Instrument flight plan to be cancelled with OKD. Approach Control when landing is assured. Radar transition to final approach course authorized. Aircraft will be released for final approach without procedure turn, on final approach course 3 miles from OBK-VOR. Naval Air Station Glenview weather should be obtained from O'Hare Approach Control prior to conduction of IFR approaches.

City, Northbrook; State, Ill.; Airport Name, Sky Harbor; Elev., 680'; Fac. Class., BVORTAC; Ident., OBK; Procedure No. 1, Amdt. Orig.; Eff. Date, 26 Nov. 60

3. The terminal very high frequency omnirange (TerVOR) procedures prescribed in § 609.200 are amended to read in part:

TERMINAL VOR STANDARD INSTRUMENT APPROACH PROCEDURE

Bearings, headings, courses and radials are magnetic. Elevations and altitudes are in feet MSL. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles.

If an instrument approach procedure of the above type is conducted at the below named airport, it shall be in accordance with the following instrument approach procedure, unless an approach is conducted in accordance with a different procedure for such airport authorized by the Administrator of the Federal Aviation Agency. Initial approaches shall be made over specified routes. Minimum altitudes shall correspond with those established for en route operation in the particular area or as set forth below.

Transition				Ceiling and visibility minimums			
From—	To—	Course and distance	Minimum altitude (feet)	Condition	2-engine or less		More than 2-engine, more than 65 knots
					65 knots or less	More than 65 knots	
Deep Creek FM	ORF-VOR	Direct	1500	T-dn C-dn S-dn-4* A-dn	300-1 500-1 500-1 800-2	300-1 500-1 500-1 800-2	200-½ 500-1½ 500-1 800-2

Procedure turn South side of crs, 228° Outbnd, 048° Inbnd, 1500' within 5 mi of LOM.

Minimum altitude over facility on final approach crs, 526'. Maintain at least 900' until abeam Norfolk LOM.

Crs and distance, breakoff point to approach end of runway, 044°—0.9 mi.

If visual contact not established upon descent to authorized landing minimums or if landing not accomplished within 0.0 mile of ORF VOR, turn right and climb to 1500' on R-228 of ORF VOR within 10 miles.

Major Change: Norfolk LFR decommissioned.

*If Norfolk LOM not received, minimums of 900-1 apply.

City, Norfolk; State, Va.; Airport Name, Norfolk Municipal; Elev., 26'; Fac. Class., BVORTAC; Ident., ORF; Procedure No. TerVOR-4, Amdt. 2; Eff. Date, 26 Nov. 60; Sup. Amdt. No. 1; Dated, 6 Feb. 60

RULES AND REGULATIONS

4. The instrument landing system procedures prescribed in § 609.400 are amended to read in part:

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

Bearings, headings, courses and radials are magnetic. Elevations and altitudes are in feet MSL. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles.

If an instrument approach procedure of the above type is conducted at the below named airport, it shall be in accordance with the following instrument approach procedure, unless an approach is conducted in accordance with a different procedure for such airport authorized by the Administrator of the Federal Aviation Agency. Initial approaches shall be made over specified routes. Minimum altitudes shall correspond with those established for en route operation in the particular area or as set forth below.

From—	Transition	To—	Course and distance	Minimum altitude (feet)	Condition	Ceiling and visibility minimums		
						2-engine or less		More than 2-engine, more than 65 knots
						65 knots or less	More than 65 knots	
Augusta VOR		City Int.	Direct	2000	T-dn	300-1	300-1	*200-½
Mallard Int.		City Int (Final)	Direct	1500	C-dn	600-1	600-1	600-1½
City Int.		Zone Int (Final)**	Direct	1100	S-dn-17	600-1	600-1	600-1
Colliers Int.		Mallard Int.	Direct	2300	A-dn	800-2	800-2	800-2

Procedure turn W side N crs, 348° Outbnd, 168° Inbnd, 2000' within 10 miles of City Int.

No Glide Slope. Altitude and distance to approach end of Runway over **Zone Int on final, 1100'—4.0 mi.

If visual contact not established upon descent to authorized landing minimums or if landing not accomplished within 4.0 miles after passing **Zone Int, climb to 1500' on S crs of ILS within 20 mi.

CAUTION: Prohibited area located 4 miles east of Bush Field.

*300-1 required on Runway 26.

**Zone Int: N crs ILS & 268° brng to AS-LFR.

City, Augusta; State, Ga.; Airport Name, Bush; Elev., 142'; Fac. Class., ILS; Ident., I-AGS; Procedure No. ILS-17, Amdt. 2; Eff. Date, 26 Nov. 60; Sup. Amdt. No. 1; Dated, 14 June 58

CR-LFR	LOM	Direct	8000	T-dn	300-1	300-1	200-½
CPR VOR	LOM	Direct	8000	C-dn	500-2	500-2	500-2
Alcova Int.	LOM	Direct	8000	S-dn-7	200-½	200-½	200-½
Glenrock Int.	LOM	Direct	8000	A-dn	600-2	600-2	600-2
Int R-201 CPR and ILS W crs.	LOM	Direct	8000				

Procedure turn N side W crs, 254° Outbnd, 074° Inbnd, 8000' within 10 mi LOM. Beyond 10 mi NA.

Altitude of G.S. and distance to appr end of runway at OM, 6680'—3.9 mi; at MM, 5648'—0.6 mi.

If visual contact not established upon descent to authorized landing minimums or if landing not accomplished climb to 7500' on E crs of ILS within 20 miles of LMM or, when directed by ATC, climb to 7500' on N crs CR-LFR within 20 miles.

CAUTION: 6719' MSL terrain 15 mi W LOM.

NOTE: Glide Slope not usable West of LOM.

Major Change: Deletes G.S. interception altitude.

City, Casper; State, Wyo.; Airport Name, Casper Air Terminal; Elev., 5348'; Fac. Class., ILS; Ident., I-CPR; Procedure No. ILS-7, Amdt. 7; Eff. Date, 26 Nov. 60; Sup. Amdt. No. 6; Dated, 15 Oct. 60

Excelsior Int.	LOM	Direct	2300	T-dn*	300-1	300-1	200-½
FGT VOR	LOM	Direct	2300	C-dn	500-1	500-1	500-1½
St. Paul Int.	LOM	Direct	2300	S-dn-4#	200-½	200-½	200-½
MSP VOR	LOM	R-165	2500	A-dn	600-2	600-2	600-2
MP LFR	LOM	Direct	2300				
Int I-APL localizer and FGT VOR R-298	LOM (Final)	039°—6.9	2200				
All sectors of radar site within 20 mi.	LOM	As directed by ATC.	2500				

Procedure turn South side of crs, 219° Outbnd, 039° Inbnd, 2300' within 10 mi.

Minimum altitude at G.S. Int Inbnd, 2100'.

Altitude of G.S. and distance to approach end of Runway at OM, 2088'—4.5 mi; at MM, 1035'—0.6 mi.

If visual contact not established upon descent to authorized landing minimums or if landing not accomplished, climb to 2500' on NE crs ILS within 20 miles.

*Runway visual range 2600' also authorized for takeoff and landing on runway 4; provided, that all components of the ILS or PAR, high-intensity runway lights, approach lights, condenser-discharge flashers, middle and outer compass locators and all related airborne equipment are operating satisfactorily. Descent below 1040' MSL shall not be made unless visual contact with the approach lights has been established or the aircraft is clear of clouds.

#With Glide Slope inoperative, straight-in minimums of 500-1 required.

City, Minneapolis; State, Minn.; Airport Name, Minneapolis-St. Paul International; Elev., 840'; Fac. Class., ILS; Ident., I-APL; Procedure No. ILS-4, Amdt. 4; Eff. Date, 26 Nov. 60; Sup. Amdt. No. 3; Dated, 22 Oct. 60

Wilmington RBN	LOM	Direct	1400	T-dn	300-1	300-1	200-½
Wilmington VOR	LOM	Direct	1400	C-dn	500-1	500-1	500-1½
Swamp Int*	LOM	Direct	1400	S-dn-34	200-½	200-½	200-½
				A-dn	600-2	600-2	600-2

Procedure turn E side of S crs, 163° Outbnd, 343° Inbnd, 1400' within 10 mi. Beyond 10 mi NA.

Minimum altitude at glide slope interception inbnd, 1400'.

Altitude of Glide Slope and distance to approach end of runway at OM, 1405'—4.7 mi; at MM, 231'—0.6 mi.

If visual contact not established upon descent to authorized landing minimums or if landing not accomplished, climb to 1300' on N crs ILS within 20 mi.

*Swamp Int: Int R-237 ILM-VOR and 125° brng to CLB RBN.

City, Wilmington; State, N.C.; Airport Name, New Hanover County; Elev., 31'; Fac. Class., ILS; Ident., I-ILM; Procedure No. ILS-34, Amdt. 4; Eff. Date, 26 Nov. 60; Sup. Amdt. No. 3; Dated, 21 May 60

5. The radar procedures prescribed in § 609.500 are amended to read in part:

RADAR STANDARD INSTRUMENT APPROACH PROCEDURE

Bearings, headings, courses and radials are magnetic. Elevations and altitudes are in feet, MSL. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles.

If a radar instrument approach is conducted at the below named airport, it shall be in accordance with the following instrument procedure, unless an approach is conducted in accordance with a different procedure for such airport authorized by the Administrator of the Federal Aviation Agency. Initial approaches shall be made over specified routes. Minimum altitude(s) shall correspond with those established for en route operation in the particular area or as set forth below. Positive identification must be established with the radar controller. From initial contact with radar to final authorized landing minimums, the instructions of the radar controller are mandatory except when (A) visual contact is established on final approach at or before descent to the authorized landing minimums, or (B) at pilot's discretion if it appears desirable to discontinue the approach. Except when the radar controller may direct otherwise prior to final approach, a missed approach shall be executed as provided below when (A) communication on final approach is lost for more than 5 seconds during a precision approach, or for more than 30 seconds during a surveillance approach; (B) directed by radar controller; (C) visual contact is not established upon descent to authorized landing minimums; or (D) if landing is not accomplished.

Radar terminal area maneuvering sectors and altitudes														Ceiling and visibility minimums			
From	To	Dist.	Alt.	Dist.	Alt.	Dist.	Alt.	Dist.	Alt.	Dist.	Alt.	Dist.	Alt.	Condition	2-engine or less		More than 2-engine, more than 65 knots
															65 knots or less	More than 65 knots	
325	030	5	8000							25	9000			Surveillance Approach			
030	100			10	7800			20	8000	25	9000			T-dn#	300-1	300-1	300-3/4
100	170			10	7300	15	8000			25	9000			C-d	600-1	600-1	600-1 1/2
170	325	Unusable.												C-n	600-2	600-2	600-2
														S-dn-21, 30, and 35	500-1	500-1	500-1
														A-dn	800-2	800-2	800-2
														Precision Approach			
														T-dn*	300-1	300-1	300-3/4
														C-d	600-1	600-1	600-1 1/2
														C-n	600-2	600-2	600-2
														S-dn-35	300-3/4	300-3/4	300-3/4
														A-dn	600-2	600-2	600-2

Radar terminal area transition altitudes—all bearings are from the radar site with sector azimuths progressing clockwise.

If visual contact not established upon descent to authorized landing minimums or if landing not accomplished, Rnwy 21: Make left climbing turn to 080°, climb to 8000', proceed to Ellicott MHW. Rnwy 30, 35: Make right climbing turn to 080°, climb to 8000', proceed to Ellicott MHW or, when directed by ATC, make right climbing turn, climb to 7300', proceed to COS MHW.

CAUTION: Sharply rising terrain west of Amber Airway No. 3. 7190' m.s.l. tower 8 mi N of airport; 7923' m.s.l. tower 14 mi N of airport.

#AIR CARRIER NOTE: Takeoffs below 300-3/4 not authorized; 400-1 required for takeoff Rnwy 30; after takeoff, immediate left turn required for Rnwy 30 and right turn for Rnwy 35 with minimums less than 700-2.

City, Colorado Springs; State, Colo.; Airport Name, Peterson Field; Elev., 6172'; Fac. Class., Colorado Springs; Ident., Radar; Procedure No. 1, Amdt. 3; Eff. Date, 26 Nov. 60; Sup. Amdt. No. 2; Dated, 18 June 60

RADAR STANDARD INSTRUMENT APPROACH PROCEDURE

Bearings, headings, courses and radials are magnetic. Elevations and altitudes are in feet, MSL. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles.

If a radar instrument approach is conducted at the below named airport, it shall be in accordance with the following instrument procedure, unless an approach is conducted in accordance with a different procedure for such airport authorized by the Administrator of the Federal Aviation Agency. Initial approaches shall be made over specified routes. Minimum altitude(s) shall correspond with those established for en route operation in the particular area or as set forth below. Positive identification must be established with the radar controller. From initial contact with radar to final authorized landing minimums, the instructions of the radar controller are mandatory except when (A) visual contact is established on final approach at or before descent to the authorized landing minimums, or (B) at pilot's discretion if it appears desirable to discontinue the approach, except when the radar controller may direct otherwise prior to final approach, a missed approach shall be executed as provided below when (A) communication on final approach is lost for more than 5 seconds during a precision approach, or for more than 30 seconds during a surveillance approach; (B) directed by radar controller; (C) visual contact is not established upon descent to authorized landing minimums; or (D) if landing is not accomplished.

Transition				Ceilings and visibility minimums			
From—	To—	Course and distance	Minimum altitude (feet)	Condition	2-engine or less		More than 2-engine, more than 65 knots
					65 knots or less	More than 65 knots	
All Sectors-----	Radar Site-----	Within 20 mi-----	2500		Precision Approach		
				T-dn-----	300-1	300-1	200-½
				S-dn-29L-----	200-½	200-½	200-½
				C-dn-29L-----	500-1	500-1	500-1½
				A-dn-29L-----	600-2	600-2	600-2
					Surveillance Approach		
				T-dn-----	300-1	300-1	200-½
				C-dn#-----	500-1	500-1	500-1½
				C-dn-22-----	600-1	600-1	600-1½
				S-dn#-----	400-1	400-1	400-1
				S-dn-22-----	600-1	600-1	600-1
				S-dn-4-----	500-1	500-1	500-1
				A-dn-----	800-2	800-2	800-2

#Runways 11R, 29L

If visual contact not established upon descent to authorized landing minimums or if landing not accomplished climb to 2500' on NW crs ILS to Int. R-221 MSP-VOR and ILS crs or, as directed by ATC:

1. Make left climbing turn, climb to 2500' on crs of 241° within 22 miles.

2. Make left climbing turn, climb to 2200' and return to LOM.

CAUTION: On approach to Runway 11R do not descend below 1700' MSL until radar controller has advised passing tower located 2.5 miles from approach end Runway 11R.

City, Minneapolis; State, Minn.; Airport Name, Minneapolis-St. Paul International; Elev., 840'; Fac. Class., Minneapolis; Ident., Radar; Procedure No. 1, Amdt. 7; Eff. Date, 26 Nov. 60; Sup. Amdt. No. 6; Dated, 21 June 58

These procedures shall become effective on the dates specified therein.

(Secs. 313(a), 307(c), 72 Stat. 752, 749; 49 U.S.C. 1354(a), 1348(c))

Issued in Washington, D.C., on October 26, 1960.

GEORGE C. PRILL,
Acting Director, Bureau of Flight Standards.

[F.R. Doc. 60-10254; Filed, Nov. 4, 1960; 8:50 a.m.]

Title 21—FOOD AND DRUGS

Chapter I—Food and Drug Administration, Department of Health, Education, and Welfare

PART 8—COLOR ADDITIVES

Temporary Tolerances; D&C Orange Nos. 3 and 4

At the time of the publication of the transitional color additive regulations (25 F.R. 9759), the final evaluation of results of subacute toxicity studies on D&C Orange No. 3 and D&C Orange No. 4 had not been completed. Further necessary evaluation has now been accomplished and the Commissioner of Food and Drugs has concluded that for the protection of the public health, these colors should be placed under temporary tolerances during the transitional period. Pursuant to the authority vested in the Secretary of Health, Education, and Welfare by Title II of the Color Additives Amendments of 1960 (Title II, Public Law 86-618; 74 Stat. 404 et seq.; 21 U.S.C., note under 376) and delegated to the Commissioner of Food and Drugs (25 F.R. 8625), the transitional color-additive regulations published in the FEDERAL REGISTER of October 12, 1960 (25 F.R. 9759) as amended October 19, 1960 (25 F.R. 9946), are further amended as set forth below:

1a. In § 8.502 *Termination of provisional listings of color additives*, paragraph (b) is amended by adding thereto the following new subparagraph (4):

(4) *D&C Orange Nos. 3 and 4.* Subacute studies have established that these colors are toxic substances, unsafe for unrestricted use in drugs and cosmetics.

b. The conclusion to paragraph (b) is amended by inserting in the list, preceding D&C Orange No. 5, the following two colors:

D&C Orange No. 3 (§ 9.200 of this chapter).
D&C Orange No. 4 (§ 9.201 of this chapter).

2. Section 8.503 *Temporary tolerances*, is amended as follows:

a. The introduction to the section is amended by adding thereto the following new sentences: "In subacute toxicity studies, D&C Orange No. 3 and D&C Orange No. 4 appear to be of the same order of toxicity as D&C Red No. 9 and D&C Red No. 10, on which the gross pathology following 2-year chronic studies has been evaluated. Limited use of D&C Orange No. 3 and D&C Orange No. 4 can therefore be allowed on the same basis and with the same temporary tolerances as the other color additives listed in this section for use in drugs for internal use and without tolerance restrictions in externally applied drugs and cosmetics."

b. The concluding sentence of paragraph (a) is amended to include the colors "D&C Orange No. 3" and "D&C

Orange No. 4." As amended, the conclusion to the paragraph reads as follows:

These color additives are therefore retained on the provisional list for use in lipstick with a temporary tolerance for each such color additive or combination of color additives of not more than 6 percent pure dye by weight of each lipstick. These color additives and D&C Yellow No. 7, D&C Yellow No. 8, D&C Red No. 37, D&C Orange No. 3, and D&C Orange No. 4 are retained without tolerance restrictions for externally applied drugs and cosmetics.

c. The conclusion to paragraph (b) is amended by inserting in the list, preceding D&C Orange No. 5, the following two colors:

D&C Orange No. 3 (§ 9.200 of this chapter).
D&C Orange No. 4 (§ 9.201 of this chapter).

Effective date. This order shall be effective upon publication in the FEDERAL REGISTER. Notice and public procedure are not necessary prerequisites to the promulgation of this order, because section 203(d)(2) of Public Law 86-618 so provides.

Title II, Public Law 86-618; 74 Stat. 404 et seq.; 21 U.S.C., note under 376)

Dated: November 1, 1960.

[SEAL]

JOHN L. HARVEY,
Deputy Commissioner
of Food and Drugs.

[F.R. Doc. 60-10394; Filed, Nov. 4, 1960;
8:46 a.m.]

Proposed Rule Making

DEPARTMENT OF THE TREASURY

Internal Revenue Service

[26 CFR (1954) Part 1]

INFORMATION RETURNS BY DOMESTIC CORPORATIONS WITH RESPECT TO FOREIGN CORPORATIONS

Notice of Rescheduling of Hearing on Proposed Regulations

Proposed regulations under section 6038 of the Code requiring information returns by domestic corporations with respect to certain foreign corporations were published in the *FEDERAL REGISTER* for October 28, 1960.

A notice of a public hearing on the provisions of these proposed regulations was published in the *FEDERAL REGISTER* of November 1, 1960, scheduling the hearing for November 15, 1960, at 10:00 a.m., e.s.t. This hearing has been rescheduled for November 17, 1960, at 1:30 p.m., e.s.t., in Tax Court Room Number 2 (opposite Room 2139), Internal Revenue Building, Twelfth and Constitution Avenue NW., Washington 25, D.C.

Persons who plan to attend the rescheduled hearing are requested to so notify the Commissioner of Internal Revenue, Attention: T:P, Washington 25, D.C., by November 14, 1960.

[SEAL] PAUL T. MAGINNIS,
Acting Director, Technical Planning Division, Internal Revenue Service.

[F.R. Doc. 60-10465; Filed, Nov. 4, 1960; 10:25 a.m.]

DEPARTMENT OF AGRICULTURE

Agricultural Marketing Service

[7 CFR Part 927]

MILK IN NEW YORK-NEW JERSEY MARKETING AREA

Classification and Accounting

Pursuant to provisions of § 927.36 of the order, as amended (7 CFR, Part 927; 22 F.R. 4643), regulating the handling of milk in the New York-New Jersey marketing area, and of the Administrative Procedure Act (5 U.S.C. 1001 et seq.), notice is hereby given of a public meeting to be held on November 22, 1960, at 10 a.m., e.s.t., at the office of the Market Administrator, 205 East 42d Street, New York, New York, for consideration of proposed amendment to the rules and regulations heretofore issued (7 CFR 927.101 et seq.) pursuant to said order. Interested persons will be afforded an opportunity to participate in the meeting through the submission of written data, views, or arguments, or to present the

same orally. Copies of said rules and regulations as heretofore issued and of the proposed amendments to be considered at this public meeting may be procured from the Market Administrator, 205 East 42d Street, New York 17, N.Y.

The proposed amendments to be considered at said public meeting are as follows:

By Murray Hammerman and Co.:

1. Amend § 927.201 *Cream assignment*, by the following additions:

(a) After "§§ 927.148", insert "927.149, 927.159".

(b) After the word "cream" in each instance, add the words "or sour cream".

Make any other changes in the rules and regulations which would permit the same freedom of assignment between pool plants of sour cream receipts as is now permitted for other cream.

2. Amend § 927.245 by adding the following sentence to the second paragraph: "Where butterfat tests are available, such tests shall be used if reasonable in the light of all the ingredients used."

Amend § 927.261 by changing the words "pursuant to § 927.260" to read "pursuant to §§ 927.245 and 927.260".

Make any other changes necessary to permit the classification of all the butterfat in cottage cheese, irrespective of the form of ingredients used in its manufacture.

3. Amend § 927.154 *Plant loss allowance—second process*, by inserting:

(j) Cheese—other than cream cheese or Cheddar cheese, 2.0 percent.

This proposal is intended to provide a packaging loss on cottage cheese manufactured in the plant.

4. Adopt a definition of "Milk Shake Drink" similar to the one in the New York State Agriculture and Markets Act and provide a weight of 91 pounds per 40-quart can for the product in § 927.231, or whatever other weight is shown by the evidence at the hearing.

By Milk Dealers' Association of Metropolitan New York, Inc., Sealtest Foods Metropolitan Division, and New York State Milk Distributors:

1. Amend § 927.163(a) as follows:

Deduct remaining butterfat in the opening inventories or received in the form of frozen cream pro rata from classes of butterfat leaving the plant or in the closing inventories at the plant in the form of flavored milk drinks containing more than 5.0 percent butterfat and flavored milk drinks containing 3.0 percent or more but not more than 5.0 percent of butterfat with more than 13 percent total milk solids.

2. Amend § 927.231 *Weights*, by providing for a weight for flavored milk drinks containing 3.0 percent or more but not more than 5.0 percent of butterfat with more than 13 percent total milk solids.

By the Market Administrator:

1. Amend § 927.124 by changing the words "two quarts or less" to "four quarts or less".

2. Amend § 927.154(b) to read as follows:

(b) Packaged sour cream, 2.5 percent or the amount by which the remaining butterfat is less than that used in the packaging process, whichever is lower.

Issued at New York, New York, this 20th day of October 1960.

C. J. BLANFORD,
Market Administrator.

[F.R. Doc. 60-10420; Filed, Nov. 4, 1960; 8:49 a.m.]

FEDERAL AVIATION AGENCY

[14 CFR Parts 600, 601]

[Airspace Docket No. 60-NY-107]

FEDERAL AIRWAYS AND CONTROL AREAS

Modification

Pursuant to the authority delegated to me by the Administrator (14 CFR 409.13), notice is hereby given that the Federal Aviation Agency is considering an amendment to §§ 600.6058 and 601.6058 of the regulations of the Administrator, the substance of which is stated below.

VOR Federal airway No. 58 extends in part from Hartford, Conn., to the Salem, Conn., Intersection (intersection of the Hartford VOR 130° and the Norwich, Conn., VOR 227° True radials). The Federal Aviation Agency has under consideration extending Victor 58 and its associated control areas southeastward from the Hartford VOR to the intersection of the Hartford VOR 130° and the Providence, R.I., VOR 212° True radials (Watch Hill, Conn., Intersection). This would facilitate air traffic management by providing an additional route for air traffic operating between the Hartford and New York, N.Y., terminal areas.

Interested persons may submit such written data, views or arguments as they may desire. Communications should be submitted in triplicate to the Chief, Air Traffic Management Division, Federal Aviation Agency, Federal Building, New York International Airport, Jamaica 30, N.Y. All communications received within forty-five days after publication of this notice in the *FEDERAL REGISTER* will be considered before action is taken on the proposed amendment. No public hearing is contemplated at this time, but arrangements for informal conferences with Federal Aviation Agency officials may be made by contacting the Regional Air Traffic Management Division Chief, or the Chief, Airspace Utilization Division, Federal Aviation Agency, Wash-

ington 25, D.C. Any data, views or arguments presented during such conferences must also be submitted in writing in accordance with this notice in order to become part of the record for consideration. The proposal contained in this notice may be changed in the light of comments received.

The official Docket will be available for examination by interested persons at the Docket Section, Federal Aviation Agency, Room B-316, 1711 New York Avenue NW., Washington 25, D.C. An informal Docket will also be available for examination at the office of the Regional Air Traffic Management Division Chief.

This amendment is proposed under section 307(a) of the Federal Aviation Act of 1958 (72 Stat. 749; 49 U.S.C. 1348).

Issued in Washington, D.C., on November 1, 1960.

CHARLES W. CARMODY,
Chief, Airspace Utilization Division.

[F.R. Doc. 60-10372; Filed, Nov. 4, 1960;
8:45 a.m.]

[14 CFR Parts 600, 601]

[Airspace Docket No. 60-FW-85]

FEDERAL AIRWAYS, CONTROL AREAS AND REPORTING POINTS

Revocation of Federal Airway, Associated Control Areas and Reporting Points; Modification of Control Area Extension

Pursuant to the authority delegated to me by the Administrator (14 CFR 409.13), notice is hereby given that the Federal Aviation Agency is considering an amendment to Parts 600 and 601 and § 601.1005 of the regulations of the Administrator, the substance of which is stated below.

Red Federal airway No. 30 presently extends from Alexandria, La., to Jacksonville, Fla. The Federal Aviation Agency is considering revoking Red 30. It is the policy of this Agency to revoke L/MF airways wherever adequate VOR airways are available, and it appears that the route from Alexandria to Jacksonville is adequately served by a combination of VOR Federal airways No. 22 and No. 114. In addition, the Federal Aviation Agency IFR peak-day airway traffic survey for the period July 1, 1959 through June 30, 1960, shows a maximum of nine aircraft movements between any two reporting points on Red 30. Therefore, it appears that the retention of this airway is unjustified as an assignment of airspace. Accordingly, the Federal Aviation Agency proposes to revoke Red 30 and its associated control areas from Alexandria to Jacksonville. Adoption of this proposal would not necessarily result in discontinuance of the low frequency navigational aids associated with Red 30. Any proposal to discontinue one or more of these aids would be processed in accordance with current Agency procedures. In addition, § 601.4230 relating to designated report-

ing points associated with Red 30 would be revoked.

Concurrently with this action, the Jacksonville, Fla., control area extension would be amended by substituting in its description VOR Federal airways No. 22 and No. 267, and longitude 82°20'00" W., as the north, east and west boundaries for the portion of the control area extension southwest of Jacksonville which is presently described by reference to Red 30, VOR Federal airway No. 3 and Restricted Area (R-161). This modification would more accurately describe the control area extension and eliminate reference to L/MF airways. It would not materially alter the present designated size of the control area extension.

If these actions are taken, Red Federal airway No. 30, its associated control areas and reporting points would be revoked. The Jacksonville, Fla., control area extension would be redesignated as the area northeast of Jacksonville, within 5 miles either side of the 064° True radial of the Jacksonville VOR extending from the VOR to 20 miles northeast; and the area southwest of Jacksonville bounded on the east by VOR Federal airway No. 267, on the south by the Jacksonville Restricted Area (R-161A), on the west by longitude 82°20'00" W., and on the north by VOR Federal airway No. 22.

Interested persons may submit such written data, views or arguments as they may desire. Communications should be submitted in triplicate to the Chief, Air Traffic Management Field Division, Federal Aviation Agency, P.O. Box 1689, Fort Worth 1, Tex. All communications received within forty-five days after publication of this notice in the FEDERAL REGISTER will be considered before action is taken on the proposed amendment. No public hearing is contemplated at this time, but arrangements for informal conferences with Federal Aviation Agency officials may be made by contacting the Regional Air Traffic Management Field Division Chief, or the Chief, Airspace Utilization Division, Federal Aviation Agency, Washington 25, D.C. Any data, views or arguments presented during such conferences must also be submitted in writing in accordance with this notice in order to become part of the record for consideration. The proposal contained in this notice may be changed in the light of comments received.

The official Docket will be available for examination by interested persons at the Docket Section, Federal Aviation Agency, Room B-316, 1711 New York Avenue NW., Washington 25, D.C. An informal Docket will also be available for examination at the office of the Regional Air Traffic Management Field Division Chief.

This amendment is proposed under section 307(a) of the Federal Aviation Act of 1958 (72 Stat. 749; 49 U.S.C. 1348).

Issued in Washington, D.C., on November 1, 1960.

CHARLES W. CARMODY,
Chief, Airspace Utilization Division.

[F.R. Doc. 60-10373; Filed, Nov. 4, 1960;
8:45 a.m.]

[14 CFR Part 608]

[Airspace Docket No. 60-WA-254]

RESTRICTED AREAS

Modification

Pursuant to the authority delegated to me by the Administrator (14 CFR 409.13), notice is hereby given that the Federal Aviation Agency is considering an amendment to § 608.40 of the regulations of the Administrator, the substance of which is stated below.

The Gardners Island, N.Y., Restricted Area (R-19), located over Long Island Sound north of East Hampton, Long Island, N.Y., is an area of approximately 28 square miles and is currently utilized by the Department of the Navy for training activities. Its time of designation is "days". The Federal Aviation Agency is considering modifying this Restricted Area by changing its time of designation as follows:

0800-1800 e.s.t. Sunday through Friday, and 0800-2300 e.s.t. Saturdays, April 15 through October 31. 0800-2300 e.s.t. Saturdays and Sundays only, November 1 through April 14.

This modification in the time of designation is necessary to accommodate the training activities conducted by the Department of the Navy in (R-19).

Interested persons may submit such written data, views or arguments as they may desire. Communications should be submitted in triplicate to the Chief, Air Traffic Management Division, Federal Aviation Agency, Federal Building, New York International Airport, Jamaica 30, N.Y. All communications received within forty-five days after publication of this notice in the FEDERAL REGISTER will be considered before action is taken on the proposed amendment. No public hearing is contemplated at this time, but arrangements for informal conferences with Federal Aviation Agency officials may be made by contacting the Regional Air Traffic Management Division Chief, or the Chief, Airspace Utilization Division, Federal Aviation Agency, Washington 25, D.C. Any data, views or arguments presented during such conferences must also be submitted in writing in accordance with this notice in order to become part of the record for consideration. The proposal contained in this notice may be changed in the light of comments received.

The official Docket will be available for examination by interested persons at the Docket Section, Federal Aviation Agency, Room B-316, 1711 New York Avenue NW., Washington 25, D.C. An informal Docket will also be available for examination at the office of the Regional Air Traffic Management Division Chief.

This amendment is proposed under section 307(a) of the Federal Aviation Act of 1958 (72 Stat. 749; 49 U.S.C. 1348).

Issued in Washington, D.C., on November 1, 1960.

CHARLES W. CARMODY,
Chief, Airspace Utilization Division.

[F.R. Doc. 60-10374; Filed, Nov. 4, 1960;
8:45 a.m.]

FEDERAL COMMUNICATIONS COMMISSION

[47 CFR Part 11]

[Docket No. 13769]

MANUFACTURERS RADIO SERVICE

Notice of Proposed Rule Making

In the matter of amendment of § 11.729 (b) and (d) of the Commission's rules governing the manufacturers radio service, Docket No. 13769 (RM-109).

The Commission has before it for consideration a request for extension of time in which to file reply comments in the above referenced docket by the National Association of Manufacturers.

On the basis of the representations set forth in the above request the Commission concludes that the public interest would be served by an extension of the above reply date to December 31, 1960.

In view of the foregoing, and pursuant to section 0.291(b)(4) of the Commis-

sion's rules: *It is ordered*, That the time for filing reply comments in the above-entitled proceeding is extended to December 31, 1960.

Adopted: October 31, 1960.

Released: November 1, 1960.

FEDERAL COMMUNICATIONS
COMMISSION,

[SEAL] BEN F. WAPLE,
Acting Secretary.

[F.R. Doc. 60-10415; Filed, Nov. 4, 1960;
8:48 a.m.]

Notices

DEPARTMENT OF AGRICULTURE

Agricultural Marketing Service

LIBERTY MILLS LIVESTOCK AUCTION, INC., ET AL.

Proposed Posting of Stockyards

The Chief of the Rates and Registration Branch, Packers and Stockyards Division, Agricultural Marketing Service, United States Department of Agriculture, has information that the livestock markets named below are stockyards as defined in section 302 of the Packers and Stockyards Act, 1921, as amended (7 U.S.C. 202), and should be made subject to the provisions of the act.

Liberty Mills Livestock Auction, Inc., Liberty Mills, Ind.

Spencer North Y Auction, Inc., Spencer, Iowa.
Beasley Community Auction, Franklin, Tenn.
Equity Livestock Auction Market, Johnson Creek, Wis.

Notice is hereby given, therefore, that the said Chief, pursuant to authority delegated under the Packers and Stockyards Act, 1921, as amended (7 U.S.C. 181 et seq.), proposes to issue a rule designating the stockyards named above as posted stockyards subject to the provisions of the act, as provided in section 302 thereof.

Any person who wishes to submit written data, views, or arguments concerning the proposed rule may do so by filing them with the Chief, Rates and Registration Branch, Packers and Stockyards Division, Agricultural Marketing Service, United States Department of Agriculture, Washington 25, D.C., within 15 days after publication hereof in the FEDERAL REGISTER.

Done at Washington, D.C., this 1st day of November 1960.

H. L. JONES,
Acting Chief, Rates and Registration Branch, Packers and Stockyards Division, Agricultural Marketing Service.

[F.R. Doc. 60-10390; Filed, Nov. 4, 1960; 8:46 a.m.]

RIVERBANK LIVESTOCK AUCTION YARD ET AL.

Deposting of Stockyards

It has been ascertained, and notice is hereby given, that the stockyards named herein, originally posted on the respective dates specified below as being subject to the Packers and Stockyards Act, 1921, as amended (7 U.S.C. 181 et seq.), no longer come within the definition of a stockyard under said act for the reason that they are no longer being conducted or operated as public markets, and are, therefore, no longer subject to the provisions of the act.

10604

Name of stockyard and date of posting

Riverbank Livestock Auction Yard, Riverbank, Calif.: Dec. 1, 1959.

Barnes Commission Company Stockyard, Lake Charles, La.: Mar. 28, 1957.

Ed Harris Livestock Commission Company, Ferriday, La.: June 10, 1957.

Scottsbluff Livestock Commission Company Stockyards, Scottsbluff, Nebr.: Jan. 17, 1933.

Notice or other public procedure has not preceded promulgation of the foregoing rule since it is found that the giving of such notice would prevent the due and timely administration of the Packers and Stockyards Act and would, therefore, be impracticable and contrary to the public interest. There is no legal warrant or justification for not deposing promptly a stockyard which is no longer within the definition of that term contained in said act.

The foregoing is in the nature of a rule granting an exemption or relieving a restriction and, therefore, may be made effective in less than 30 days after publication in the FEDERAL REGISTER. This notice shall become effective upon publication in the FEDERAL REGISTER.

(42 Stat. 159, as amended and supplemented; 7 U.S.C. 181 et seq.)

Done at Washington, D.C., this 1st day of November 1960.

H. L. JONES,
Acting Chief, Rates and Registration Branch, Packers and Stockyards Division, Agricultural Marketing Service.

[F.R. Doc. 60-10391; Filed, Nov. 4, 1960; 8:46 a.m.]

Office of the Secretary

SOUTH DAKOTA

Designation of Area for Production Emergency Loans

For the purpose of making production emergency loans pursuant to section 2(a) of Public Law 38, 81st Congress (12 U.S.C. 1148a-2(a)), as amended, it has been determined that in Pennington County, South Dakota, a production disaster has caused a need for agricultural credit not readily available from commercial banks, cooperative lending agencies, or other responsible sources.

Pursuant to the authority set forth above, production emergency loans will not be made in the above-named county after June 30, 1961, except to applicants who previously received such assistance and who can qualify under established policies and procedures.

Done at Washington, D.C., this 1st day of November 1960.

MARVIN L. McLAIN,
Acting Secretary.

[F.R. Doc. 60-10421; Filed, Nov. 4, 1960; 8:49 a.m.]

DEPARTMENT OF THE TREASURY

Internal Revenue Service

[Order 5 (Rev. 2)]

EMERGENCY ORDER OF SUCCESSION AND DELEGATION OF AUTHORITY

1. By virtue of the authority vested in me by Treasury Department Order No. 129, Revision No. 2, dated April 22, 1955, the officials in the positions listed below and on a document filed at the Internal Revenue Service emergency relocation site are hereby authorized, in the event of an enemy attack on the United States, and the disability of the Commissioner, his absence from the emergency relocation site, or if there is a vacancy in the office, to succeed to the position of Acting Commissioner in the order listed, and are authorized to perform the functions of Commissioner to insure the continuity of the functions of that office:

Deputy Commissioner.
Assistant Commissioner (Operations).
Assistant Commissioner (Technical).
Assistant Commissioner (Inspection).
Assistant Commissioner (Planning and Research).
Assistant Commissioner (Administration).

If none of these officials are available, the first available Regional Commissioner, in the order listed in the document on file at the emergency relocation site, will become Acting Commissioner.

Immediately in the event of an attack on the United States, each Regional Commissioner shall communicate as quickly as possible with the emergency National Office at the relocation site and advise the official in charge of his availability to assume the position of Acting Commissioner. After the lapse of a reasonable time for receipt of communications from the Regional Commissioners, the official in charge of the emergency National Office will advise the available Regional Commissioner highest in the order of succession to report to the emergency National Office at the relocation site to become Acting Commissioner.

If no Regional Commissioner is available, a District Director will become Acting Commissioner in the order indicated in the above-mentioned document on file at the emergency relocation site. District Directors need not contact the emergency National Office.

2. There is hereby delegated to Regional Commissioners and District Directors, or the officials acting in their stead, upon the event of an enemy attack on the United States, all authority vested in the Commissioner of Internal Revenue by law or transfer from the Secretary of the Treasury as is necessary to insure the continuous performance of Internal Revenue Service functions by those officials in their areas of jurisdiction. This delegation of authority will

remain in effect until notice is received that it has been terminated.

3. This order supersedes Delegation Order No. 5 (Revised), dated July 27, 1959.

Date of issue: October 24, 1960.

Effective date: October 24, 1960.

[SEAL]

DANA LATHAM,
Commissioner.

[F.R. Doc. 60-10396; Filed, Nov. 4, 1960;
8:47 a.m.]

Office of the Secretary

MIXED CLAIMS COMMISSION, UNITED STATES AND GERMANY

Awards; Recognition of Partial Assignments

The Settlement of War Claims Act of 1928, 45 Stat. 254, as amended by the Act of March 3, 1933, 47 Stat. 1488, provides in section 2(g) (5) for the recognition of assignments of awards of the Mixed Claims Commission, United States and Germany, as follows:

(5) In the case of an assignment of an award, or an assignment (prior to the making of the award) of the claim in respect of which the award was made, by any such person, made in writing, duly acknowledged, and filed with the application for payment, such payment shall be made to the assignee.

The Treasury heretofore has recognized partial assignments only in connection with judicial proceedings, the distribution of fiduciary estates and in certain other special circumstances. The Treasury Department will hereafter recognize other partial assignments under section 2(g) (5) of the Settlement of War Claims Act of 1928, as amended, if in a form acceptable to the Treasury Department. The acceptance of such assignments shall be subject to the limitations that the amount assigned shall represent proportionate parts of the unpaid balances of principal and interest of the award based upon the latest Treasury statement of account and shall aggregate not less than \$10,000.

Dated: November 1, 1960.

[SEAL]

JULIAN B. BAIRD,

Acting Secretary of the Treasury.

[F.R. Doc. 60-10397; Filed, Nov. 4, 1960;
8:47 a.m.]

CIVIL AERONAUTICS BOARD

[Docket 10754]

EASTERN AIR LINES, INC., AND NA- TIONAL AIRLINES, INC.; ENFORCE- MENT PROCEEDING

Notice of Oral Argument

Notice is hereby given, pursuant to the provisions of the Federal Aviation Act of 1958, as amended, that oral argument in the above-entitled proceeding is assigned to be held on November 15, 1960, at 10:00 a.m., e.s.t. in Room 1027, Universal Building, Connecticut and

Florida Avenues NW., Washington, D.C., before the Board.

Dated at Washington, D.C., November 1, 1960.

[SEAL]

FRANCIS W. BROWN,
Chief Examiner.

[F.R. Doc. 60-10399; Filed, Nov. 4, 1960;
8:47 a.m.]

[Docket 9977]

MUTUAL AID PACT

Notice of Prehearing Conference

Notice is hereby given that a prehearing conference in the above-entitled matter is assigned to be held on November 30, 1960, at 10:00 a.m., e.s.t., in Room 1027, Universal Building, Connecticut and Florida Avenues NW., Washington, D.C., before Examiner Edward T. Stodola.

Dated at Washington, D.C., November 2, 1960.

[SEAL]

FRANCIS W. BROWN,
Chief Examiner.

[F.R. Doc. 60-10400; Filed, Nov. 4, 1960;
8:47 a.m.]

ATOMIC ENERGY COMMISSION

[Docket No. 50-108]

ALLIS-CHALMERS MANUFACTURING CO.

Notice of Amendment to Facility License

Please take notice that the Atomic Energy Commission has issued to Allis-Chalmers Manufacturing Company, Amendment No. 1, set forth below, to Facility License No. CX-15, as requested by application amendments dated June 10, 1960, and August 23, 1960. The amendment (1) authorizes certain changes described in these application amendments, and (2) adds a new operating condition to the license, concerning loading change inspection.

The Commission has found that operation of the reactor in accordance with the terms and conditions of the license, as amended, will not present undue hazard to the health and safety of the public, and that the issuance of the amendment is not inimical to the common defense and security.

The Commission has further found that prior public notice of proposed issuance of this amendment is not necessary in the public interest since operation of the reactor under the new conditions would not present any substantial change in the hazards to the health and safety of the public from those previously considered and evaluated in connection with the previously approved operating license.

In accordance with the Commission's rules of practice (10 CFR Part 2) the Commission will direct the holding of a formal hearing on the matter of issuance of the license amendment upon receipt of a request therefor from the licensee or an intervenor within 30 days after the issuance of the license amend-

ment. Petitions for leave to intervene shall be filed by mailing a copy to the Office of the Secretary, Atomic Energy Commission, Washington 25, D.C., or by delivery of a copy in person to the Office of the Secretary, Germantown, Maryland, or the AEC's Document Room, 1717 H Street, Washington, D.C. For further details see (1) the application amendments dated June 10, 1960, and August 23, 1960, submitted by Allis-Chalmers Manufacturing Company, and (2) a hazards analysis of the proposed operation prepared by the Hazards Evaluation Staff of the Division of Licensing and Regulation, both on file at the AEC's Public Document Room or upon request addressed to the Atomic Energy Commission, Washington 25, D.C., Attention: Director, Division of Licensing and Regulation.

Dated at Germantown, Md., this 31st day of October 1960.

For the Atomic Energy Commission.

R. L. KIRK,
Deputy Director, Division of
Licensing and Regulation.

[License No. CX-15; Amdt. No. 1]

License No. CX-15 is hereby amended to authorize the changes described in the application amendments dated June 10, 1960, and August 23, 1960, and to add a new operating condition, 4.A.3., as follows:

3. After every loading change, and before reactor startup, if the loading change entails a manipulation of the "manual" rods, the loading shall be visually inspected by the supervisor of the facility. Alternatively, in his absence, the inspection shall be made by a person having competence essentially equal to that of the supervisor of the facility with respect to reactor physics, familiarity with the physics and safety aspects of the experiment, and appreciation of the hazards involved in the experiment being conducted.

Date of issuance: October 31, 1960.

For the Atomic Energy Commission.

R. L. KIRK,
Deputy Director,
Division of Licensing and Regulation.

[F.R. Doc. 60-10302; Filed, Nov. 4, 1960;
8:45 a.m.]

DEPARTMENT OF HEALTH, EDU- CATION, AND WELFARE

Public Health Service

LICENSED BIOLOGICAL PRODUCTS

Notice is hereby given that pursuant to section 351 of the Public Health Service Act, as amended (42 U.S.C. 262), and regulations issued thereunder (42 CFR Part 73), the following establishment license and product license actions have been taken from July 16, 1960 to October 15, 1960, inclusive.

These lists are supplementary to the lists of licensed establishments and products in effect on April 15, 1960, published on June 16, 1960 in 25 F.R. 5412, as amended by the lists of license actions taken from April 16, 1960 through July 15, 1960, published on August 6, 1960 in 25 F.R. 7470.

ESTABLISHMENT LICENSES ISSUED

Establishment	License No.	Date
Southeastern General Hospital, Inc., Lumberton, N.C.	313	7-28-60
Chas. Pfizer & Co., Inc., New York, N.Y., Terre Haute, Ind.	297	9-9-60
J. Daniels Laboratories, Inc., Brook- lyn, N.Y.	331	9-9-60
Tri-Cities Blood Service, Inc., John- son City, Tenn.	332	9-16-60

PRODUCT LICENSES ISSUED

Product	Establishment	License No.	Date
Anti-P serum.....	Blood Grouping Laboratory of Boston, Inc.	159	7-19-60
Anti-Kp ^b and Anti- K Serum (Anti- Rautenberg and Anti-Kell).	do		
Diphtheria and tetanus toxoids and pertussis vaccine combined alum precipi- tated.	Merek Sharp & Dohme.	2	7-19-60
Anti-Di ^a serum (Anti-Diego).	Knickerbocker Blood Bank, Inc.	164	8-3-60
Allergenic extracts..	J. Daniels Lab- oratories, Inc.	331	9-9-60
Diphtheria and tetanus toxoids and poliomyelitis vaccine.	Pitman-Moore Co.	110	9-27-60
Citrated whole blood (human).	Tri-Cities Blood Service, Inc.	332	9-16-60
Poliomyelitis vac- cine aluminum phosphate ad- sorbed.	Parke, Davis and Co.	1	10-4-60
Anti-Rh typing serum, Anti-hr (Anti-c).	Community Blood Bank and Serum Service.	295	10-5-60

ESTABLISHMENT LICENSES REVOKED WITHOUT PREJUDICE

Establishment	License No.	Date
Robeson County Memorial Hospital Blood Bank, Lumberton, N.C.	313	7-28-60
Pfizer Laboratories, Div. Chas. Pfizer Co., Inc., New York, N.Y., Terre Haute, Ind.	297	9-9-60

PRODUCT LICENSES REVOKED WITHOUT PREJUDICE

Product	Establishment	License No.	Date
Diphtheria and tetanus toxoids and pertussis vaccine com- bined.	Merek Sharp & Dohme.	2	7-19-60

[SEAL] **RODERICK MURRAY,**
*Director, Division of Biologics
Standards, National Insti-
tutes of Health, Public Health
Service, U.S. Department of
Health, Education, and
Welfare.*

Approved:

J. STEWART HUNTER,
*Assistant to the Surgeon Gen-
eral for Information, Public
Health Service, U.S. Depart-
ment of Health, Education,
and Welfare.*

[F.R. Doc. 60-10388; Filed, Nov. 4, 1960;
8:46 a.m.]

FEDERAL COMMUNICATIONS
COMMISSION

[Docket No. 13615; FCC 60M-1846]

AMERICAN TELEPHONE AND
TELEGRAPH CO.

Order Continuing Hearing

In the matter of American Telephone and Telegraph Company, regulations and charges for a connecting arrangement to permit the connection of two two-point duplex teletypewriter services with a customer provided aircraft tracking system; Docket No. 13615.

The Hearing Examiner has under consideration a motion for continuance of the hearing now scheduled for November 1, 1960, filed on October 26, 1960 by counsel for American Telephone and Telegraph Company. Counsel for the Common Carrier Bureau have no objection to the requested continuance.

Accordingly, it is ordered, This 27th day of October 1960, that the motion is granted and the hearing of November 1 is continued without date pending action by the Commission on American Telephone and Telegraph Company's motion to terminate proceeding filed October 26, 1960.

Released: October 28, 1960.

FEDERAL COMMUNICATIONS
COMMISSION,

[SEAL] **BEN F. WAPLE,**
Acting Secretary.

[F.R. Doc. 60-10401; Filed, Nov. 4, 1960;
8:47 a.m.]

[Docket No. 13819; FCC 60M-1847]

JESSE FRANK CARTER

Order Scheduling Prehearing
Conference

In re application of Jesse Frank Carter, Eureka, California, Docket No. 13819, File No. BP-12828; for construction permit.

It is ordered, This 27th day of October 1960, that a prehearing conference, in accordance with § 1.111 of the rules, will be held in the above-entitled matter at 2:00 p.m., on Tuesday, November 15, 1960, in the offices of the Commission, Washington, D.C.

Released: October 28, 1960.

FEDERAL COMMUNICATIONS
COMMISSION,

[SEAL] **BEN F. WAPLE,**
Acting Secretary.

[F.R. Doc. 60-10402; Filed, Nov. 4, 1960;
8:47 a.m.]

[Docket No. 12931; FCC 60M-1843]

CARTER MOUNTAIN TRANSMISSION
CORP.

Order Scheduling Hearing

In re application of Carter Mountain Transmission Corporation, Cody, Wyoming, Docket No. 12931, File No. 2463-C1-P-58; for construction permit to

install an additional transmitter, to transmit on frequency 6387.5 Mc. Location: Copper Mountain, 40 miles south of Worland, Wyoming.

Pursuant to rulings made on the record at the prehearing conference held on this date,

It is ordered, This 27th day of October 1960, that the following dates for procedural steps shall govern in this proceeding:

Exchange of protestant's and applicant's exhibits with copies to the Hearing Examiner—November 22, 1960.

Notification of witnesses desired for cross-examination—November 23, 1960.

Commencement of hearing—November 28, 1960.

Released: October 28, 1960.

FEDERAL COMMUNICATIONS
COMMISSION,

[SEAL] **BEN F. WAPLE,**
Acting Secretary.

[F.R. Doc. 60-10403; Filed, Nov. 4, 1960;
8:47 a.m.]

[Docket No. 12676, etc.; FCC 60M-1873]

FOUR STATES BROADCASTING CO.
ET AL.

Order Scheduling Hearing

In re applications of John L. Miller, tr/as The Four States Broadcasting Company, Halfway, Maryland et al., Docket No. 12676, File No. BP-11227, Docket Nos. 12677, 12678, 12679, 13782, 13783, 13784, 13785, 13786, 13787, 13788, 13789, 13790, 13791, 13792, 13793, 13794; for construction permits.

The Hearing Examiner having under consideration agreements reached by the parties at the prehearing conference held herein on October 27, 1960;

It is ordered, This 1st day of November 1960, that the applications herein are divided into three groups, as set forth below:

It is further ordered, That dates are designated for various procedural steps herein as follows:

Group I

Exchange of engineering exhibits—November 28, 1960.

Notification of witnesses, if any, desired for cross-examination—January 3, 1961.

Hearing on engineering issues—January 10, 1961 (10 a.m.).

Exchange of lay exhibits, including Section 307(b) material—January 17, 1961.

Notification of witnesses, if any, desired for cross-examination—January 24, 1961.

Hearing on issues other than engineering—January 30, 1961 (10 a.m.).

Groups II and III

Informal engineering conference—November 4, 1960 (2 p.m.).

Further prehearing conference—November 21, 1960 (2 p.m.).

Released: November 1, 1960.

FEDERAL COMMUNICATIONS
COMMISSION,

[SEAL] **BEN F. WAPLE,**
Acting Secretary.

Group I

John L. Miller, tr/as The Four States Broadcasting Company, Halfway, Maryland,

Docket No. 12676, File No. BP-11227; Dover Broadcasting Company (WDOV), Dover, Delaware, Docket No. 12677, File No. BP-11327; Regional Broadcasting Company, Halfway, Maryland, Docket No. 12678, File No. BP-11646; George Fishman, Brunswick, Maryland, Docket No. 12679, File No. BP-12034.

Group II

Associated Broadcasters, Incorporated (WEST), Easton, Pennsylvania, Docket No. 13782, File No. BP-12224; Richard F. Lewis, Jr., Incorporated, of Winchester (WINC), Winchester, Virginia, Docket No. 13783, File No. BP-12265; Belvedere Broadcasting Corporation (WWIN), Baltimore, Maryland, Docket No. 13784, File No. BP-12311; South Jersey Radio, Inc. (WOND), Pleasantville, New Jersey, Docket No. 13785, File No. BP-12343; WGAL, Inc. (WRAK), Williamsport, Pennsylvania, Docket No. 13787, File No. BP-12414; Kendrick Broadcasting Company, Inc. (WHGB), Harrisburg, Pennsylvania, Docket No. 13790, File No. BP-13024; Miners Broadcasting Service, Inc. (WLSH), Lansford, Pennsylvania, Docket No. 13791, File No. BP-13060; Scranton Radio Corporation (WICK), Scranton, Pennsylvania, Docket No. 13793, File No. BP-13129.

Group III

Narragansett Broadcasting Company (WALE), Fall River, Massachusetts, Docket No. 13786, File No. BP-12371; Pioneer Valley Broadcasting Company (WHMP), Northampton, Massachusetts, Docket No. 13788, File No. BP-12643; The Western Connecticut Broadcasting Company (WSTC), Stamford, Connecticut, Docket No. 13789, File No. BP-12709; The Willie Broadcasting Company (WILI), Willimantic, Connecticut, Docket No. 13792, File No. BP-13124; Biddeford-Saco Broadcasting Corp. (WIDE), Biddeford, Maine, Docket No. 13794, File No. BP-13132.

[F.R. Doc. 60-10404; Filed, Nov. 4, 1960; 8:47 a.m.]

[Docket No. 13601; FCC 60M-1872]

HOPKINSVILLE BROADCASTING CO., INC. (WHOP)

Order Continuing Hearing

In re application of Hopkingsville Broadcasting Company, Incorporated (WHOP), Hopkingsville, Kentucky, Docket No. 13601, File No. BP-12506; for construction permit.

Pursuant to a prehearing conference in this proceeding as of this date: *It is ordered*, This 31st day of October 1960, that the hearing now scheduled for November 14, 1960, be and the same is hereby rescheduled for December 2, 1960, 10:00 a.m. in the offices of the Commission, Washington, D.C.

Released: November 1, 1960.

FEDERAL COMMUNICATIONS
COMMISSION,

[SEAL] BEN F. WAPLE,
Acting Secretary.

[F.R. Doc. 60-10405; Filed, Nov. 4, 1960; 8:48 a.m.]

[Docket Nos. 12928-12930; FCC 60M-1849]

MESA MICROWAVE, INC.

Order Continuing Hearing

In re applications of Mesa Microwave, Inc., Oklahoma City, Oklahoma, for construction permit for new fixed video radio station. Frequencies: 6012.5, 6112.5 and

5212.5 Mc. Location: Miguel, 15 miles east of Pearsall, Texas, Docket No. 12928, File No. 2177-C1-P-58; for construction permit for new fixed video radio station. Frequencies: 6067.5, 6167.5 and 6267.5 Mc. Location: 7 miles east of Cotulla, Texas, Docket No. 12929, File No. 2178-C1-P-58; for construction permit for new fixed video radio station. Frequencies: 6012.5, 6112.5 and 6212.5 Mc. Location: Hilltop, 12 miles west of Encinal, Texas, Docket No. 12930, File No. 2179-C1-P-58.

The Hearing Examiner having under consideration a letter filed October 27, 1960, by counsel for Southwestern Operating Company, advising that it will not continue to prosecute its protest herein and that a petition to dismiss the protest and to terminate the proceeding will be filed shortly, and requesting that the hearing now scheduled to commence on November 2, 1960, be continued without date; and

It appearing that in the event of a grant of said petition to dismiss and to terminate it would become unnecessary to hold a hearing herein; and

It further appearing, that counsel for the other parties have consented to the immediate consideration and grant of the request for continuance of the hearing, and that a grant thereof will conduce to the orderly dispatch of the Commission's business;

Accordingly, it is ordered, This 27th day of October 1960, that the aforesaid request for continuance of the hearing without date is granted, and that the hearing herein now scheduled to commence on November 2, 1960, is continued indefinitely.

Released: October 28, 1960.

FEDERAL COMMUNICATIONS
COMMISSION,

[SEAL] BEN F. WAPLE,
Acting Secretary.

[F.R. Doc. 60-10409; Filed, Nov. 4, 1960; 8:48 a.m.]

[Docket No. 13410; FCC 60M-1868]

IDAHO MICROWAVE, INC.

Order Continuing Hearing

In re applications of Idaho Microwave, Inc., Docket No. 13410, File No. 2672-C1-P-58, for construction permit for New Fixed Radio Station at Kimport Peak, Idaho (KPL 24); File No. 2673-C1-P-58, for construction permit for New Fixed Radio Station at Rock Creek, Idaho (KPL 25); File No. 2674-C1-P-58, for construction permit for New Fixed Radio Station at Jerome, Idaho (KPL 26).

The Hearing Examiner having under consideration an oral motion made this date by protestant, the KLIX Corporation (KLIX-TV), herein, which motion requested continuance of the prehearing conference scheduled for this date to a time approximately one week hence, and

It appearing that all other parties have agreed to the granting of the motion, and that good cause therefor has been shown,

It is ordered, This 31st day of October 1960, that the oral motion is granted and that the prehearing conference in the above-entitled matter heretofore sched-

uled to commence today is hereby rescheduled to commence at 10:00 a.m., November 9, 1960, in the Commission's offices in Washington, D.C.

Released: October 31, 1960.

FEDERAL COMMUNICATIONS
COMMISSION,

[SEAL] BEN F. WAPLE,
Acting Secretary.

[F.R. Doc. 60-10406; Filed, Nov. 4, 1960; 8:48 a.m.]

[Docket No. 13825; FCC 60M-1864]

KRNO, INC. (KRNO)

Order Scheduling Hearing

In re application of KRNO, Inc. (KRNO) San Bernardino, California, Docket No. 13825, File No. BP-12993; for construction permit.

It is ordered, This 28th day of October 1960, that H. Gifford Irion will preside at the hearing in the above-entitled proceeding which is hereby scheduled to commence on December 5, 1960, in Washington, D.C.

Released: October 31, 1960.

FEDERAL COMMUNICATIONS
COMMISSION,

[SEAL] BEN F. WAPLE,
Acting Secretary.

[F.R. Doc. 60-10407; Filed, Nov. 4, 1960; 8:48 a.m.]

[Docket No. 13346; FCC 60M-1844]

DAVID L. KURTZ

Order Scheduling Prehearing Conference

In re application of David L. Kurtz, Philadelphia, Pennsylvania, Docket No. 13346, File No. BPH-2774, for construction permit (FM).

It is ordered, This 27th day of October 1960, that a prehearing conference, in accordance with § 1.111 of the rules, will be held in the above-entitled matter at 10:00 a.m., on Tuesday, November 15, 1960, in the offices of the Commission, Washington, D.C.

Released: October 28, 1960.

FEDERAL COMMUNICATIONS
COMMISSION,

[SEAL] BEN F. WAPLE,
Acting Secretary.

[F.R. Doc. 60-10408; Filed, Nov. 4, 1960; 8:48 a.m.]

[Docket No. 13795; FCC 60M-1852]

RADIO MILLINGTON, INC.

Order Continuing Hearing

In re application of Radio Millington, Inc., Millington, Tennessee, Docket No. 13795, File No. BP-13025; for construction permit.

The Hearing Examiner having under consideration agreement of parties participating at prehearing conference on October 27, 1960, regarding date for hearing;

It is ordered, This 27th day of October 1960, that the hearing now scheduled

for November 10, 1960, is continued to January 4, 1961, at 10:00 a.m.

Released: October 28, 1960.

FEDERAL COMMUNICATIONS
COMMISSION,
[SEAL] BEN F. WAPLE,
Acting Secretary.

[F.R. Doc. 60-10410; Filed, Nov. 4, 1960;
8:48 a.m.]

[Docket Nos. 13711-13736; FCC 60M-1795]

**TRIANGLE PUBLICATIONS, INC.
(WNHC) ET AL.**

Order Continuing Hearing

In re applications of Triangle Publications, Inc. (WNHC), Radio and Television Division, New Haven, Connecticut, et al., Docket Nos. 13711-13736, File No. BP-12107; for construction permits.

The Hearing Examiner having under consideration a petition filed October 7, 1960, by Connellsville Broadcasters, Incorporated (WCVI), an applicant (Group I) in the above-entitled proceeding (Docket No. 13731), requesting a change in scheduled dates (varying from ten to thirteen days), including the date for commencement of hearing, for Group I applicants;

It appearing that no oppositions to the petition have been filed and that, considering the relative brevity of the postponements requested, good cause has been shown; but that the dates requested by the petitioner for the further prehearing conference and the commencement of the hearing conflict with the Examiner's calendar;

It is ordered, This 18th day of October 1960, that the petition for postponement filed October 7, 1960, by Connellsville Broadcasters, Incorporated (WCVI) is granted to the extent that the previously scheduled dates, for Group I applicants only, are changed as follows:

(1) Exchange of engineering exhibits in draft—from October 18 to October 28, 1960;

(2) Informal conference of consulting radio engineers—from October 28 to November 7, 1960 at 2:00 p.m.;

(3) Exchange of all exhibits in final form—from November 4 to November 14, 1960;

(4) Second prehearing conference—from November 10 to Thursday, December 1, 1960, at 10:00 a.m.;

(5) Commencement of hearing—from November 15 to Tuesday, December 6, 1960, at 10:00 a.m.

Released: October 19, 1960.

FEDERAL COMMUNICATIONS
COMMISSION,
[SEAL] BEN F. WAPLE,
Acting Secretary.

[F.R. Doc. 60-10411; Filed, Nov. 4, 1960;
8:48 a.m.]

[Docket Nos. 13436-13438; FCC 60M-1845]

TOT INDUSTRIES, INC., ET AL.

Order Continuing Hearing

In re applications of Tot Industries, Inc., Medford, Oregon, Docket No. 13436,

File No. BPCT-2641; Radio Medford, Inc., Medford, Oregon, Docket No. 13437, File No. BPCT-2655; Medford Telecasting Corporation, Medford, Oregon, Docket No. 13438, File No. BPCT-2697; for construction permits for new television broadcast stations (Channel 10).

The Hearing Examiner having under consideration the necessity of changing the date for further hearing;

It appearing that the parties are contemplating a merger and that in the absence of rules governing the procedure for securing prior Commission approval pursuant to section 311(c) of the Communications Act of 1934, as amended, a further proceeding at this time would be in vain so that the present date for further hearing of November 7 must be changed;

It is ordered, This 27th day of October 1960, on the Hearing Examiner's own motion that the hearing scheduled for November 7, 1960, is continued to November 28, 1960.

Released: October 28, 1960.

FEDERAL COMMUNICATIONS
COMMISSION,
[SEAL] BEN F. WAPLE,
Acting Secretary.

[F.R. Doc. 60-10412; Filed, Nov. 4, 1960;
8:48 a.m.]

[Docket No. 6517]

**WESTERN UNION TELEGRAPH CO.
AND POSTAL TELEGRAPH, INC.**

Correction

In the matter of the application for merger of the Western Union Telegraph Company and Postal Telegraph, Inc., Docket No. 6517.

The Commission's Order released October 24, 1960 (FCC 60-1267) in the above-entitled matter is corrected in the following particular:

Amend paragraph "1." on page three of such Order to read as follows:

1. Are the provisions of the Agreement, and specifically the following provisions, in compliance with the divestment requirement imposed on Western Union by section 222 of the Act and the orders of the Commission referred to above, and are they in the public interest:

Released: October 31, 1960.

FEDERAL COMMUNICATIONS
COMMISSION,
[SEAL] BEN F. WAPLE,
Acting Secretary.

[F.R. Doc. 60-10413; Filed, Nov. 4, 1960;
8:48 a.m.]

[Docket No. 6517; FCC 60M-1820]

**WESTERN UNION TELEGRAPH CO.
AND POSTAL TELEGRAPH, INC.**

Order Scheduling Hearing

In the matter of the application for merger of the Western Union Telegraph Company and Postal Telegraph, Inc., Docket No. 6517.

It is ordered, This 25th day of October 1960, that a prehearing conference in

the above-entitled matter will be held at 10:00 a.m., November 7, 1960, in the Commission's offices in Washington, D.C., and

It is further ordered, That the hearing in this matter will commence at 10:00 a.m., November 21, 1960, in the Commission's offices in Washington, D.C.

Released: October 25, 1960.

FEDERAL COMMUNICATIONS
COMMISSION,
[SEAL] BEN F. WAPLE,
Acting Secretary.

[F.R. Doc. 60-10414; Filed, Nov. 4, 1960;
8:48 a.m.]

FEDERAL POWER COMMISSION

[Project No. 2280]

PENNSYLVANIA ELECTRIC CO.

Notice of Application for Preliminary Permit

OCTOBER 31, 1960.

Public notice is hereby given that application has been filed under the Federal Power Act (16 U.S.C. 791a-825v) by Pennsylvania Electric Company, of Johnstown, Pennsylvania, for preliminary permit for proposed water power Project No. 2280 to be located on the Allegheny River, affecting a Government dam authorized for construction by the U.S. Corps of Engineers, in the Townships of Kinzua and Glade, Warren County, Pennsylvania, and affecting lands of the United States within Allegheny National Forest and lands acquired for the Allegheny River Reservoir. The project, to be known as the Kinzua Pumped Storage Project, will consist of a high level off-stream reservoir, pumping facilities, and powerhouse with 75,000 to 300,000 KW capacity to be constructed by the applicant and operated in conjunction with the proposed 30,000 to 75,000 KW hydroelectric plant to be constructed by Warren Electric Cooperative, Inc.

Protests or petitions to intervene may be filed with the Federal Power Commission, Washington 25, D.C., in accordance with the rules of practice and procedure of the Commission (18 CFR 1.8 or 1.10). The last day upon which protests or petitions may be filed is December 16, 1960. The application is on file with the Commission for public inspection.

JOSEPH H. GUTRIDE,
Secretary.

[F.R. Doc. 60-10376; Filed, Nov. 4, 1960;
8:45 a.m.]

[Project No. 2276]

ROBERT P. WILSON

Notice of Application for Preliminary Permit

OCTOBER 31, 1960.

Public notice is hereby given that Robert P. Wilson, of Taylorsville, California, has filed application under the Federal Power Act (16 U.S.C. 791a-825r) for preliminary permit for proposed wa-

ter-power Project No. 2276, designated by applicant as "Davis Creek Power Project", to be located on Hosselkus Creek and its tributary Davis Creek, both of which ultimately are tributary to North Fork of Feather River, in Plumas County, California, in the vicinity of Taylorsville, Crescent Mills and Greenville, affecting lands of the United States within the Plumas National Forest, and to consist of Beardsley Dam, Reservoir and Powerhouse—a dam about 85 feet high located on Davis Creek (this stretch is designated Hosselkus Creek on U.S.G.S. Kettle Rock Quadrangle-California-Topographic) in the SE¼ of sec. 15, T. 26 N., R. 11 E., M.D.B. & M., forming a reservoir with maximum water level at about elevation 5430, a tunnel about 4,000 feet long and a penstock about 5,000 feet long supplying a powerhouse located on Hosselkus Creek at about elevation 4200 with an installed capacity of approximately 2,500 horsepower or 1,900 kilowatts, and Davis Dam and Reservoir—a dam about 50 feet high located on Davis Creek (this stretch is also designated Hosselkus Creek on Kettle Rock Quadrangle) in the SW¼ of sec. 14, T. 26 N., R. 11 E., M.D.B. & M., forming a supplementary storage reservoir.

No construction is authorized under a preliminary permit. A permit, if issued, gives permittee, during the period of the permit, the right to priority of application for license while the permittee undertakes the necessary studies and examinations, including the preparation of maps and plans, in order to determine the economic feasibility of the proposed project, the means of securing the necessary financial arrangements for construction, the market for the project power, and all other information necessary for inclusion in an application for license, should one be filed.

Pursuant to section 24 of the Federal Power Act, the filing of this application has the effect of segregating from all forms of disposal any lands of the United States which may be contained within the project.

Protests or petitions to intervene may be filed with the Federal Power Commission, Washington 25, D.C., in accordance with the rules of practice and procedure of the Commission (18 CFR 1.8 or 1.10). The last date upon which protests or petitions may be filed is December 8, 1960. The application is on file with the Commission for public inspection.

JOSEPH H. GUTRIDE,
Secretary.

[F.R. Doc. 60-10377; Filed, Nov. 4, 1960;
8:45 a.m.]

SMALL BUSINESS ADMINISTRATION

TEXAS

Declaration of Disaster Area

Whereas, it has been reported that during the month of October 1960, be-

cause of the effects of certain disasters, damage resulted to residences and business property located in certain areas in the State of Texas;

Whereas, the Small Business Administration has investigated and has received other reports of investigations of conditions in the areas affected;

Whereas, after reading and evaluating reports of such conditions, I find that the conditions in such areas constitute a catastrophe within the purview of the Small Business Act.

Now, therefore, as Deputy Administrator of the Small Business Administration, I hereby determine that:

1. Applications for disaster loans under the provisions of section 7(b) of the Small Business Act may be received and considered by the Offices below indicated from persons or firms whose property situated in the following Counties (including any areas adjacent to said Counties) suffered damage or destruction as a result of the catastrophe hereinafter referred to:

Counties: Bee, Karnes, Nueces, and Starr (heavy rains and floods occurring on or about October 24 and 25, 1960).

Offices:

Small Business Administration Regional Office, Fidelity Building, 1000 Main Street, Dallas 2, Tex.

Small Business Administration Branch Office, Kallison Building, Room 412, 434 South Main Avenue, San Antonio 5, Tex.

2. No special field offices will be established at this time.

3. Applications for disaster loans under the authority of this Declaration will not be accepted subsequent to April 30, 1961.

Dated: October 27, 1960.

ROBERT F. BUCK,
Deputy Administrator.

[F.R. Doc. 60-10383; Filed, Nov. 4, 1960;
8:45 a.m.]

[Delegation of Authority 30-V-14 (Rev. 2)]

BRANCH MANAGER, SANTURCE, PUERTO RICO

Delegation Relating to Financial Assistance, Procurement and Technical Assistance and Administrative Functions

I. Pursuant to the authority delegated to the Regional Director by Delegation No. 30 (Revision 6), as amended (25 F.R. 1706 and 7418), there is hereby redelegated to the Branch Manager, Puerto Rico Branch Office, Small Business Administration, the authority:

A. *Financial assistance.* 1. To approve and decline direct and participation business and disaster loans.

2. To disburse approved loans, including fisheries' loans.

3. To enter into Business Loan and Disaster Loan Participation Agreements with banks.

4. To execute loan authorizations for Washington approved loans and for loans

approved under delegated authority, said execution to read as follows:

PHILIP McCALLUM,
Administrator,

By _____
(Name)
Branch Manager

5. To cancel, reinstate, modify and amend authorizations for business or disaster loans.

6. To extend the disbursement period on all loan authorizations or undisbursed portions of loans.

7. To approve, when requested, in advance of disbursement, conformed copies of notes and other closing documents and certify to the participating bank that such documents are in compliance with the participation authorization.

8. To approve service charges by participating bank not to exceed 2% per annum on the outstanding balance in connection with construction loans and loans involving accounts receivable and inventory financing.

9. To take the following actions in the administration of fisheries' loans:

(a) Amend loan authorizations;

(b) Extend the period of disbursement of loans of \$50,000 or less for a period not to exceed four months;

(c) Amend the hull insurance provision of any authorization issued prior to September 3, 1958, for a loan of \$20,000 or less;

(d) Cancel loan authorizations prior to disbursement upon the written request of the applicant;

(e) Administer current fisheries loans and those loans delinquent not more than 60 days within the same authority exercised with respect to SBA loans, except execute satisfactions, releases or partial release of Preferred Ship Mortgages, or other mortgages, deeds of trust, etc., securing fisheries' loans, or to postpone or change payments due or to endorse checks in payment of insurance claims when said checks are not being paid to the Government as a payment on a fishery loan.

10. To take all necessary actions in connection with the administration, servicing, collection and liquidation of all loans and other obligations or assets, including collateral purchased, and to do and perform and to assent to the doing and performance of, all and every act and thing requisite and proper to be done for the purpose of effectuating the granted powers, including without limiting the generality of the foregoing:

(a) The assignment, endorsement, transfer and delivery (but in all cases without representation, recourse or warranty) of notes, claims, bonds, debentures, mortgages, deeds of trust, contracts, patents and applications therefor, licenses, certificates of stock and of deposit, and any other liens, powers, rights, charges on and interest in or to property of any kind, legal and equitable, now or hereafter held by the Small Business Administration or its Administrator.

(b) The execution and delivery of contracts of sale or of lease or sublease, quit-claim, bargain and sale or special warranty deeds, bills of sale, leases, subleases, assignments, subordinations, releases (in whole or part) or liens, satis-

faction pieces, affidavits, proofs of claim in bankruptcy or other estates and such other instruments in writing as may be appropriate and necessary to effectuate the foregoing:

B. *Investment program.* 1. To disburse section 502 loans.

2. To extend the disbursement period on section 502 loan authorizations or undisbursed portions of section 502 loans.

3. To cancel wholly or in part undisbursed balances of partially disbursed section 502 loans.

4. To do and to perform all and every act and thing requisite, necessary and proper to be done for the purpose of effecting the servicing and administration of section 502 loans.

C. *Procurement and technical assistance.* 1. To: (a) determine joint set-asides for Government procurements and sales; (b) to determine the need for representation at procurement and disposal centers; and (c) develop with Government procurement and disposal agencies required local procedures for implementing established interagency policy agreements.

D. *Administration.* 1. To administer oaths of office.

2. For employees under your supervision, to approve (a) annual and sick leave, except advanced annual and sick leave, and (b) leave without pay not to exceed 30 days.

3. To (a) make emergency purchases chargeable to the Administrative expense fund, not in excess of \$25, in any one object class in any one instance, but not more than \$50 in any one month for total purchases in all object classes; (b) make purchases not in excess of \$10 in any one instance for "one-time use items" not carried in stock subject to the total limitations set forth in (a) of this paragraph; and (c) to contract for the repair and maintenance of equipment and furnishings in an amount not to exceed \$25 in any one instance.

4. In connection with the establishment of Disaster Loan Offices, to (a) obligate Small Business Administration to reimburse General Services Administration for the rental of office space; (b) rent office equipment; and (c) procure (without dollar limitation) emergency supplies and materials.

5. To administratively approve all types of vouchers, invoices, and bills submitted by public creditors of the Agency for articles or service rendered.

6. To rent motor vehicles from the General Services Administration and to rent garage space for the storage of such vehicles when not furnished by this Administration.

E. *Correspondence.* To sign all correspondence, including Congressional correspondence, relating to the functions of the branch office, except communications involving new policy matters, which shall be referred to the regional office for clearance.

II. The specific authority delegated in subsections I.A, B, C and E may be redelegated, such redelegation of subsection E. being limited to routine correspondence only; the authority delegated in subsection I.D. may not be redelegated.

III. All authority delegated herein may be exercised by any SBA employee designated as Acting Branch Manager.

IV. All previous authority delegated by the Regional Director to the Branch Manager, Puerto Rico Branch Office, is hereby rescinded without prejudice to actions taken under all such delegations of authority prior to the date hereof.

Effective date: June 28, 1960.

JAMES F. HOLLINGSWORTH,
Regional Director,
Atlanta Regional Office.

[F.R. Doc. 60-10384; Filed, Nov. 4, 1960;
8:45 a.m.]

[Delegation of Authority 30-IX-1 (Rev. 1)]

CHIEF, FINANCIAL ASSISTANCE DIVISION

Delegation Relating to Financial Assistance and Administrative Functions

I. Pursuant to the authority delegated to the Regional Director by Delegation of Authority No. 30 (Revision 6), as amended (25 F.R. 1706 and 7418), there is hereby redelegated to the Chief, Financial Assistance Division, the authority:

A. *Financial assistance.* 1. To approve and decline disaster loans and limited loan participation loans.

2. To approve but not decline direct and participation business loans.

3. To enter into Business Loan and Disaster Loan Participation Agreements with banks.

4. To execute loan authorizations for Washington approved loans and for loans approved under delegated authority, said execution to read as follows:

PHILIP McCALLUM,
Administrator

By _____
(Name)

Chief, Financial Assistance Division

5. To cancel, reinstate, modify and amend authorizations for business or disaster loans.

6. To extend the disbursement period on all loan authorizations or undisbursed portions of loans.

7. To approve, when requested, in advance of disbursement, conformed copies of notes and other closing documents and certify to the participating bank that such documents are in compliance with the participation authorizations.

8. To approve service charges by participating bank not to exceed 2 percent per annum on the outstanding balance in connection with construction loans and loans involving accounts receivable and inventory financing, except in connection with disaster loans.

9. To take all necessary actions in connection with the administration, servicing, collection and liquidation of all loans and other obligations or assets, including collateral purchases, and to do and perform and to assent to the doing and performance of, all and every act and thing requisite and proper to be done for the purpose of effectuating the granted powers, including without limiting the generality of the foregoing:

(a) The assignment, endorsement, transfer and delivery (but in all cases without representation, recourse or warranty) of notes, claims, bonds, debentures, mortgages, deeds of trust, contracts, patents and applications therefor, licenses, certificates of stock and of deposit, and any other liens, powers, rights, charges on and interest in or to property of any kind, legal and equitable, now or hereafter held by the Small Business Administration or its Administrator;

(b) The execution and delivery of contracts of sale or of lease or sublease, quit-claim, bargain and sale or special warranty deeds, bills of sale, leases, subleases, assignments, subordinations, releases (in whole or part) of liens, satisfaction pieces, affidavits, proofs of claim in bankruptcy or other estates and such other instruments in writing as may be appropriate and necessary to effectuate the foregoing.

B. *Administration.* 1. To approve annual and sick leave, except advanced annual and sick leave, for employees under his supervision.

2. To authorize or approve travel for employees under his supervision.

C. *Correspondence.* To sign non-policy making correspondence, except Congressional correspondence, relating to the financial assistance program.

II. The authority delegated herein may be redelegated.

III. All authority delegated herein may be exercised by any SBA employee designated as Acting Chief, Financial Assistance Division.

IV. All authority previously delegated by the Regional Director to the Chief, Financial Assistance Division, is hereby rescinded without prejudice to actions taken under all such delegations of authority prior to the date hereof.

Effective date: September 19, 1960.

C. I. MOYER,
Regional Director,
Kansas City Regional Office.

[F.R. Doc. 60-10385; Filed, Nov. 4, 1960;
8:45 a.m.]

[Delegation of Authority 30-IX-11]

CHIEF, LOAN ADMINISTRATION SECTION

Delegation Relating to Financial Assistance

I. Pursuant to the authority delegated to the Chief, Financial Assistance Division, by Delegation of Authority No. 30-IX-1 (Revision 1), dated September 19, 1960, there is hereby redelegated to the Chief, Loan Administration Section, the following authority:

A. *Financial assistance.* 1. To approve, after disbursement or partial disbursement, the salary of new borrower employees, not to exceed \$10,000 per annum.

2. To take the following actions in the administration, collection and liquidation of business or disaster loans:

a. Approve or reject substitutions of accounts receivable and inventories.

b. Release, or consent to the release of inventories, accounts receivable or

cash collateral, real or personal property, offered as collateral on loan, including the release of all collateral when loan is paid in full.

c. Release dividends on life insurance policies held as collateral for loans, approve the application of same against premiums due; release or consent to the release on participation loans, of insurance funds covering loss or damage to property securing the loan and expired hazard insurance policies.

B. *Administrative.* 1. To approve annual and sick leave, except advanced annual and sick leave, for employees under his supervision.

C. *Correspondence.* 1. To sign all non-policy-making routine correspondence, except Congressional correspondence, relating to loan administration functions.

II. The specific authority delegated herein may not be redelegated.

III. All authority delegated herein may be exercised by any SBA employee designated as Acting Chief, Loan Administration Section, FAD.

Effective date: September 19, 1960.

WALLACE M. BUCK,
Chief, Financial Assistance Division,
Kansas City Regional Office.

[F.R. Doc. 60-10386; Filed, Nov. 4, 1960;
8:45 a.m.]

[Delegation of Authority No. 30-IX-12]

CHIEF, LOAN LIQUIDATION SECTION

Delegation Relating to Financial Assistance

I. Pursuant to the authority delegated to the Chief, Financial Assistance Division, by Delegation of Authority No. 30-IX-1 (Revision 1), dated September 19, 1960, there is hereby redelegated to the Chief, Loan Liquidation Section, the following authority:

A. *Financial assistance.* To take the following actions in the administration, collection and liquidation of all business and disaster loans classified as "problem loans" or "in liquidation:"

1. Release or consent to the release of real or personal property upon substitution of other collateral of equal or greater value.

2. To take peaceable custody of collateral, as mortgagee in possession thereof or otherwise, whenever such action becomes necessary to protect the interests of or a loan made by SBA; to take all steps necessary for the preservation and protection of the property, pending foreclosure of the lien and sale of the collateral; and, to obligate the administration in an amount not in excess of a total of \$1000 for any one loan, for those expenditures as may be required to accomplish these purposes.

3. To enter into written arrangements with custodians or caretakers of collateral covering their services, which shall not have the effect of making such persons employees of SBA but shall be limited to their temporary services for the specific purposes involved.

No. 217—4

4. To enter into written arrangements with owners of premises, when it is necessary to use a building not part of the loan collateral for the storage of chattels pending foreclosure and sale, for a period of not more than 90 days, including a period of 10 days after the date of sale of the collateral to permit orderly removal of the property from the premises.

5. To post indemnity or other bonds in proceedings in cases where such undertakings are required by State Law.

B. *Administrative.* 1. To approve annual and sick leave, except advanced annual and sick leave, for employees under his supervision.

C. *Correspondence.* To sign all non-policy-making routine correspondence, except Congressional correspondence, relating to the loan liquidation functions of the regional financial assistance program.

II. The specific authority delegated herein may not be redelegated.

III. All authority delegated herein may be exercised by any SBA employee designated as Acting Chief, Loan Liquidation Section, FAD.

Effective date: September 19, 1960.

WALLACE M. BUCK,
Chief, Financial Assistance Division,
Kansas City Regional Office.

[F.R. Doc. 60-10387; Filed, Nov. 4, 1960;
8:46 a.m.]

SECURITIES AND EXCHANGE COMMISSION

[File Nos. 7-2088, 7-2089]

BELL INTERCONTINENTAL CORP. AND FAIRCHILD CAMERA AND INSTRUMENT CORP.

Notice of Applications for Unlisted Trading Privileges and of Opportunity for Hearing

NOVEMBER 1, 1960.

In the matter of applications of the Pacific Coast Stock Exchange for unlisted trading privileges in certain securities.

The above named national securities exchange has filed applications with the Securities and Exchange Commission pursuant to section 12(f)(2) of the Securities Exchange Act of 1934 and Rule 12f-1 thereunder, for unlisted trading privileges in the common stocks of the following companies, which securities are listed and registered on one or more other national securities exchanges: Bell Intercontinental Corporation, File 7-2088; Fairchild Camera and Instrument Corp., File 7-2089.

Upon receipt of a request, on or before November 18, 1960, from any interested person, the Commission will determine whether the application with respect to any of the companies named shall be set down for hearing. Any such request should state briefly the title of the security in which he is interested, the

nature of the interest of the person making the request, and the position he proposes to take at the hearing, if ordered. In addition, any interested person may submit his views or any additional facts bearing on any of the said applications by means of a letter addressed to the Secretary, Securities and Exchange Commission, Washington 25, D.C., not later than the date specified. If no one requests a hearing with respect to any particular application, such application will be determined by order of the Commission on the basis of the facts stated therein and other information contained in the official files of the Commission pertaining thereto.

By the Commission.

[SEAL] ORVAL L. DuBOIS,
Secretary.

[F.R. Doc. 60-10378; Filed, Nov. 4, 1960;
8:45 a.m.]

[File No. 1-2476]

CENTRAL VIOLETA SUGAR CO., S. A.

Notice of Application To Strike From Listing and Registration and of Opportunity for Hearing

NOVEMBER 1, 1960.

In the matter of Central Violeta Sugar Company, S. A., capital stock; File No. 1-2476.

New York Stock Exchange has filed an application with the Securities and Exchange Commission pursuant to section 12(d) of the Securities Exchange Act of 1934 and Rule 12d2-1(b) promulgated thereunder, to strike the specified security from listing and registration thereon.

The reasons alleged in the application for striking this security from listing and registration include the following: Transfer facilities in New York City are no longer available.

Upon receipt of a request, on or before November 18, 1960, from any interested person for a hearing in regard to terms to be imposed upon the delisting of this security, the Commission will determine whether to set the matter down for hearing. Such request should state briefly the nature of the interest of the person requesting the hearing and the position he proposes to take at the hearing with respect to imposition of terms. In addition, any interested person may submit his views or any additional facts bearing on this application by means of a letter addressed to the Secretary of the Securities and Exchange Commission, Washington 25, D.C. If no one requests a hearing on this matter, this application will be determined by order of the Commission on the basis of the facts stated in the application and other information contained in the official files of the Commission pertaining to the matter.

By the Commission.

[SEAL] ORVAL L. DuBOIS,
Secretary.

[F.R. Doc. 60-10379; Filed, Nov. 4, 1960;
8:45 a.m.]

[File No. 1-1040]

CHARLES E. HIRES CO.**Notice of Application To Strike From Listing and Registration and of Opportunity for Hearing**

NOVEMBER 1, 1960.

In the matter of the Charles E. Hires Company, capital stock; File No. 1-1040.

New York Stock Exchange has filed an application with the Securities and Exchange Commission pursuant to section 12(d) of the Securities Exchange Act of 1934 and Rule 12d2-1(b) promulgated thereunder, to strike the specified security from listing and registration thereon.

The reasons alleged in the application for striking this security from listing and registration include the following: Over 90 percent of the stock has been acquired by Consolidated Foods Corporation.

Upon receipt of a request, on or before November 18, 1960, from any interested person for a hearing in regard to terms to be imposed upon the delisting of this security, the Commission will determine whether to set the matter down for hearing. Such request should state briefly the nature of the interest of the person requesting the hearing and the position he proposes to take at the hearing with respect to imposition of terms. In addition, any interested person may submit his views or any additional facts bearing on this application by means of a letter addressed to the Secretary of the Securities and Exchange Commission, Washington 25, D.C. If no one requests a hearing on this matter, this application will be determined by order of the Commission on the basis of the facts stated in the application and other information contained in the official files of the Commission pertaining to the matter.

By the Commission.

[SEAL] ORVAL L. DuBois,
Secretary.[F.R. Doc. 60-10380; Filed, Nov. 4, 1960;
8:45 a.m.]

[File No. 7-2086]

LING-TEMCO ELECTRONICS, INC.**Notice of Application for Unlisted Trading Privileges and of Opportunity for Hearing**

NOVEMBER 1, 1960.

In the matter of application of the Midwest Stock Exchange for unlisted trading privileges in a certain security.

The above named national securities exchange has filed an application with the Securities and Exchange Commission pursuant to section 12(f)(2) of the Securities Exchange Act of 1934 and Rule 12f-1 thereunder, for unlisted trading privileges in the common stock of the following company, which security is listed and registered on one or more other national securities exchanges: Ling-Temco Electronics, Inc., File 7-2086.

Upon receipt of a request, on or before November 18, 1960, from any interested

person, the Commission will determine whether the application shall be set down for hearing. Any such request should state briefly the nature of the interest of the person making the request and the position he proposes to take at the hearing, if ordered. In addition, any interested person may submit his views or any additional facts bearing on the said application by means of a letter addressed to the Secretary, Securities and Exchange Commission, Washington 25, D.C., not later than the date specified. If no one requests a hearing, this application will be determined by order of the Commission on the basis of the facts stated therein and other information contained in the official files of the Commission pertaining thereto.

By the Commission.

[SEAL] ORVAL L. DuBois,
Secretary.[F.R. Doc. 60-10381; Filed, Nov. 4, 1960;
8:45 a.m.]

[File No. 7-2090]

**PHILADELPHIA & READING CORP.
(NEW YORK)****Notice of Application for Unlisted Trading Privileges and of Opportunity for Hearing**

NOVEMBER 1, 1960.

In the matter of application of the Philadelphia-Baltimore Stock Exchange for unlisted trading privileges in a certain security.

The above named national securities exchange has filed an application with the Securities and Exchange Commission pursuant to section 12(f)(2) of the Securities Exchange Act of 1934 and Rule 12f-1 thereunder, for unlisted trading privileges in the common stock of the following company, which security is listed and registered on one or more other national securities exchanges: Philadelphia & Reading Corp. (New York), File 7-2090.

Upon receipt of a request, on or before November 18, 1960, from any interested person, the Commission will determine whether the application shall be set down for hearing. Any such request should state briefly the nature of the interest of the person making the request and the position he proposes to take at the hearing, if ordered. In addition, any interested person may submit his views or any additional facts bearing on the said application by means of a letter addressed to the Secretary, Securities and Exchange Commission, Washington 25, D.C., not later than the date specified. If no one requests a hearing, this application will be determined by order of the Commission on the basis of the facts stated therein and other information contained in the official files of the Commission pertaining thereto.

By the Commission.

[SEAL] ORVAL L. DuBois,
Secretary.[F.R. Doc. 60-10382; Filed, Nov. 4, 1960;
8:45 a.m.]**INTERSTATE COMMERCE
COMMISSION**

[Notice 406]

**MOTOR CARRIER TRANSFER
PROCEEDINGS**

NOVEMBER 2, 1960.

Synopses of orders entered pursuant to section 212(b) of the Interstate Commerce Act, and rules and regulations prescribed thereunder (49 CFR Part 179), appear below:

As provided in the Commission's special rules of practice any interested person may file a petition seeking reconsideration of the following numbered proceedings within 20 days from the date of publication of this notice. Pursuant to section 17(8) of the Interstate Commerce Act, the filing of such a petition will postpone the effective date of the order in that proceeding pending its disposition. The matters relied upon by petitioners must be specified in their petitions with particularity.

No. MC-FC 63462. By order of October 31, 1960, the Transfer Board approved the transfer to Fred John Cooper, doing business as Speedy Delivery Service, Hamilton Square, N.J., of Permit No. MC 101378, issued May 16, 1941, to Howard A. Harbourt, doing business as H. A. Harbourt, Hauling Contractor, Trenton, N.J., authorizing the transportation, over irregular routes, such merchandise as is dealt in by retail department stores, the business of which is the sale of general commodities, from Trenton, N.J., to points in Pennsylvania within 35 miles of Trenton, except Philadelphia, Pa.; and rejected or defective merchandise owned by persons who operate such stores, on return. Robert Watkins, 170 South Broad Street, Trenton 10, N.J., for applicants.

No. MC-FC 63463. By order of October 31, 1960, the Transfer Board approved the transfer to Michael Tiano, West Bristol, Pa., of Permit No. MC 101378 Sub 1, issued September 20, 1955, to Howard A. Harbourt, doing business as H. A. Harbourt, Hauling Contractor, Trenton, N.J., authorizing the transportation, over irregular routes, of such merchandise as is dealt in by such retail department stores in retail delivery service, between Levittown, Pa., on the one hand, and, on the other, points in Atlantic, Burlington, Camden, Hunterdon, Mercer, Monmouth, and Ocean Counties, N.J. Robert Watkins, 170 South Broad Street, Trenton, N.J., for applicants.

No. MC-FC 63474. By order of October 31, 1960, the Transfer Board approved the transfer to Ramsey Produce Trucking, Inc., Livonia, Mich., of Certificates Nos. MC 117788 and MC 117788 Sub 2, issued May 20, 1960 and April 21, 1960, respectively, to John K. Ramsey, doing business as Ramsey Produce Trucking, Livonia, Mich., authorizing the transportation, over irregular routes, of frozen fruits, frozen berries and frozen vegetables, from Detroit, Mich., to Chicago, Ill., and New York, N.Y.; and offal for animal food and medicinal purposes, in vehicles equipped with me-

chanical refrigeration, from Detroit, Mich., to points in Pennsylvania, specified points in Illinois and Wisconsin, Ohio, South Carolina, New Jersey, New York, and specified part of Indiana; and returned shipments of offal, on return. Bernard L. Walsh, 1632 Buhl Building, Detroit 26, Mich., for applicants.

No. MC-FC 63491. By order of October 31, 1960, the Transfer Board approved the transfer to Hellman Trucking Co., Inc., Pilot Grove, Iowa, of Certificates Nos. MC 31799 and MC 31799 Sub 1, issued May 3, 1949 and September 14, 1960, respectively, to William G. Hellman and Alfred H. Hellman, a partnership, doing business as Hellman Trucking Company, Pilot Grove, Iowa, authorizing the transportation, over irregular routes, of feed, from Chicago and Forest Park, Ill., to Pilot Grove, Iowa, and points within 30 miles of Pilot Grove, not including Burlington, Fairfield, or Keokuk, Iowa; agricultural implements, from Rock Island, Ill., to Pilot Grove, Iowa and points within 15 miles of Pilot Grove; poultry and eggs, from Pilot Grove and Houghton, Iowa, to Chicago, Ill.; grocery and hardware store supplies, from Chicago, Ill., to Pilot Grove and Houghton, Iowa; fresh fruits and vegetables, from Centralia, Ill., and St. Louis, Mo., to Pilot Grove and Houghton, Iowa; coal, from Canton, Ill., to Houghton and Pilot Grove, Iowa; livestock, between Pilot Grove, Iowa, and points within 15 miles of Pilot Grove, on the one hand, and, on the other, Chi-

cago, Galesburg, Dallas City, Peoria, and National City Stock Yards, Ill., and St. Louis, Mo.; and animal feed, from Peoria, Ill., to points in Davis, Des Moines, Henry, Jefferson, Lee, Louisa, Van Buren, and Wapello Counties, Iowa. Kenneth F. Dudley, 106 North Court Street, P.O. Box 557, Ottumwa, Iowa, for applicants.

No. MC-FC 63506. By order of October 31, 1960, the Transfer Board approved the transfer to Ward Maust, Donald Maust, and Dwight Maust, a partnership, doing business as Maust Brothers, Berlin, Pa., of Certificate in Nos. MC 94879, and MC 94879 Sub 2, issued April 19, 1955, and January 15, 1959, respectively, to Donald Maust, Berlin, Pa., authorizing the transportation of: Sugar, cans, canned goods, tar paper, fertilizer, feed, hay, fertilizer, in bags, and damaged shipments of fertilizer, from, to, or between certain specified points in Maryland, Pennsylvania, and West Virginia. Arthur J. Diskin, 302 Frick Building, Pittsburgh 19, Pa., for applicants.

No. MC-FC 63514. By order of October 31, 1960, the Transfer Board approved the transfer to Fred V. Murphy, doing business as Red Ball Transfer & Storage, 4716 Vineland Ave., North Hollywood, Calif., of Certificate in No. MC 63080, issued October 24, 1949, to LaVilla Walker, doing business as Arlington Van & Storage Co., 3300 West Washington Blvd., Los Angeles, Calif., authorizing the transportation of:

Household goods, between points in Los Angeles, Calif., and between Los Angeles, Calif., and Los Angeles Harbor, Calif.

No. MC-FC 63530. By order of October 31, 1960, the Transfer Board approved the transfer to Kenneth Holmstrom, Varna, Ill., of Permit in No. MC 5697, issued June 19, 1941, to Eldred W. Haynes, 1436 40th Street, Rock Island, Ill., authorizing the transportation of: Coal, from Alpha, Ill., to Rock Island and Moline, Ill., and Davenport and Billendorf, Iowa; and building materials, from Shales City, Sparland, and Alsey, Ill., to points in Iowa, and from Brazil, Ind., to points in Illinois and Iowa.

No. MC-FC 63651. By order of October 31, 1960, the Transfer Board approved the transfer to Matthews Charter Service, Inc., Cambridge, Md., of Certificate No. MC 96160 Sub 2, issued February 7, 1952, to Elijah B. Truxon, Denton, Md., authorizing the transportation of passengers and their baggage in round-trip charter operations, over irregular routes, beginning and ending at points in Caroline County, Md., and extending to points in Delaware, New Jersey, New York, Pennsylvania, Virginia, and the District of Columbia, within 225 miles of Denton, Md. S. Harrison Kahn, 1110 Investment Building, Washington, D.C. for applicants.

[SEAL]

HAROLD D. McCoy,
Secretary.

[F.R. Doc. 60-10393; Filed, Nov. 4, 1960;
8:46 a.m.]

CUMULATIVE CODIFICATION GUIDE—NOVEMBER

The following numerical guide is a list of the parts of each title of the Code of Federal Regulations affected by documents published to date during November.

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PART II

FEDERAL REGISTER



VOLUME 25

NUMBER 217

Washington, Saturday, November 5, 1960

Title 46—SHIPPING

Chapter I—Coast Guard, Department of the Treasury

[CGFR 60-36]

VESSEL INSPECTION

Miscellaneous Amendments

Pursuant to the notice of proposed rule making published in the *FEDERAL REGISTER* on February 18, 1960 (25 F.R. 1440-1448), and Merchant Marine Council Public Hearing Agenda dated April 4, 1960 (CG-249), the Merchant Marine Council held a public hearing on April 4, 1960, for the purpose of receiving comments, views and data. The proposals considered were identified as Items I through XII, inclusive.

This document is the last of a series covering the regulations and actions considered at the April 4, 1960, Public Hearing and annual session of the Merchant Marine Council. It includes the actions taken with respect to proposals in Items II, III, IV, VII, VIII, and IX. Certain proposals were grouped into one item to provide general identification. In this document are most of the proposals in these items. Those proposals within a specific item that are not included are either those on which previous actions may have been taken or the matters are still under consideration. The following proposals are included in this document and are adopted either as proposed in the Merchant Marine Council Public Hearing Agenda or as revised, which are noted:

1. Use of inflatable life rafts. (Item II, CG-249, pp. 2, 3.) Based on the comments received regarding proposals, the regulations regarding the use of inflatable life rafts on vessels not subject to the 1948 Convention for the Safety of Life at Sea are set forth in this document and designated 46 CFR 33.01-30 (e) and (f), 33.05-1(d), 33.05-2(d), 33.05-5(c), 33.05-10(c), 33.05-15(c), 33.05-20(d), 33.05-25(d), 33.05-30(c), 33.07-1-33.07-25, inclusive, 33.15-15, 33.15-16, 33.20-1(b), 33.20-3, 33.20-15(d), 33.25-10, 33.25-15, 35.40-40, 71.25-15(a) (6) and (7), 75.10-5 (b) and (e), 75.10-10(a) (6) and (b) (2), 75.10-15(c), 75.10-20 (a) (4), (b) and (c) (3), 75.10-25, 75.15-10(c) (4), 75.20-20(b), 78.17-60, 78.47-63, 91.25-

15(a) (6) and (7), 94.10-5, 94.10-10(d), 94.10-15(b), 95.10-20(d), 94.10-25(e), 94.10-30(d), 94.10-40(b), 94.10-45(d), 94.10-50(b), 94.10-55, 94.15-10(c) (4), 94.20-20(b), 94.25-15(b), 94.50-7, 97.15-45, 97.37-40, 167.35-2, and 167.55-5(j).

2. First-aid kits for inflatable life rafts, specification designated 46 CFR Subpart 160.054. (Item II, CG-249, pp. 4-6.)

3. Prohibiting the use of certain previously approved life preservers. (Item III, CG-249, pp. 7-11.) For all inspected vessels the effective date for the prohibition was changed from "July 1, 1961," to "July 1, 1963." This change was based on comments received and the revised proposal requires that on and after July 1, 1963, all kapok and fibrous glass life preservers which do not have plastic-covered pad inserts shall be removed from service on both new and existing inspected vessels.

4. Unicellular plastic foam life preserver, specification designated 46 CFR 160.055. (Item III, CG-249, pp. 13-18.) Based on comments accepted, requirements for materials and construction of Type I life preservers were revised and changes made in §§ 160.055-1, 160.055-3 (f) and (g), and 160.055-5(c).

5. Lifesaving equipment for Great Lakes vessels and for freight motorboats. (Item III, CG-249, pp. 19-36.) In line with comments accepted, changes were made in proposals designated 46 CFR 94.10-1, 94.10-40(a), 94.40-15(a), 94.50-5, 75.10-1, 76.25-15(b), 75.50-5(a), 33.10-15, 33.15-20(i), and 33.20-1(c), as well as in 46 CFR 75.05-10(a), 94.05-10(a), and 160.033-2(c), in order to have uniformity in application of revised requirements. With respect to life lines fitted to davit spans for lifeboats, the proposals to increase the required number in 46 CFR 94.25-10(b), 75.25-10(b), and 33.20-1(c) for vessels certificated for ocean or coastwise service are not included in this document. These proposals are being studied further in connection with final actions taken at the 1960 Safety of Life at Sea Conference.

6. Ring life buoys; stowage and arrangement. (Item III, CG-249, p. 37.)

7. Warning signals for vessels loading or unloading dangerous cargoes in bulk. (Item IV, CG-249, pp. 56, 57.) Based on comments received 46 CFR 98.05-50(j),

98.10-45(g), 98.15-45(h), 98.20-70(g), and 98.25-90(g) were revised.

8. Elevated temperature cargoes. (Item VI, CG-249, pp. 114-116.) Based on comments 46 CFR 36.01-1, 36.01-5, 36.05-10, and 36.20-5, were revised.

9. Cargo discharging and foundations for independent cargo tanks. (Item VI, CG-249, p. 117.) In line with comments 46 CFR 32.50-3 and 32.60-30 were revised.

10. Liquefied inflammable gas tanks located in tank or cargo spaces. (Item VI, p. 118.) In line with comments 46 CFR 38.05-10 was revised.

11. Portable fire extinguishers on tank vessels. (Item VI, CG-249, p. 119.)

12. Spark producing devices on tank vessels. (Item VI, CG-249, p. 120.) In line with comments received 46 CFR 35.30-35 was editorially revised and specifically states that this regulation shall not prohibit the use of small hand tools on tank vessels.

13. Watchmen for unmanned tank barges. (Item VI, CG-249, p. 121.)

14. Cargo handling responsibilities on tank vessels. (Item VI, CG-249, pp. 122-124.)

15. Fresh-air or self-contained breathing apparatus on tank vessels. (Item VI, CG-249, pp. 125, 126.)

16. Portable fire extinguishers, specification designated 46 CFR 162.028. (Item VII, CG-249, pp. 127-131.) Based on comments received, changes were made in the requirements in 46 CFR 160.028-3(d) (bursting pressure), (h) (valves, etc., for carbon dioxide extinguishers), (j) (compatibility of extinguishing agent in dry chemical extinguishers), (k) (toxicity ratings of extinguishing agents), (l) (pressure gauge requirements), and (n) (additional tests authorized); and 160.028-4 (marine type label), and § 2.75-25 regarding procedures was added.

17. Fire hose on inspected vessels. (Item VII, CG-249, pp. 132-135.) In line with comments received 46 CFR 34.10-30(g), 76.10-10(1) (3), and 95.10-10(1) (4), were revised and § 167.45-5(g) was added in order to have uniformity in application of these requirements.

18. Fire main systems on barges. (Item VII, CG-249, p. 136.)

19. De-energizing of electrical circuits in cargo holds. (Item VIII, CG-249, pp. 137, 138.)

20. Miscellaneous amendments to Electrical Engineering Regulations. (Item VIII, CG-249, pp. 139-146.) In line with comments received 46 CFR 111.45-15(a) and 111.55-1(g)(1) were revised. Action on 46 CFR 111.45-20(h), regarding steering gear motor branch circuits, is delayed and this proposal is being studied further in connection with final actions taken at the 1960 Safety of Life at Sea Conference.

21. Hydraulic systems. (Item IX, CG-249, pp. 147-151.) In line with comments received 46 CFR Subpart 55.17 was revised.

22. Piping systems and appurtenances in Marine Engineering Regulations. (Item IX, CG-249, pp. 156-159.) Based on comments received 46 CFR 55.10-1(e) was revised.

23. Nodular cast iron for valves, fittings and accessories. (Item IX, CG-249, pp. 160, 161.)

24. Repairs involving welding or burning on vessels carrying certain dangerous cargoes in bulk. (Item IX, CG-249, p. 162.)

In conjunction with the miscellaneous vessel inspection amendments as set forth in this document, the following general actions are also made:

a. Compliance with the revised requirements will be permitted on and after the date of publication of this document in the FEDERAL REGISTER, and compliance will be required on and after the effective dates provided for the various changes.

b. The effective date shall be April 15, 1961, for the new requirements for lifeboat and life raft equipment, for life lines on davit spans, for 50 percent extra life preservers, and for lifeboat embarkation ladders on certain Great Lakes vessels, which are in 46 CFR Parts 33, 75, and 94, unless otherwise specifically provided for in the regulations.

c. The effective date shall be January 1, 1961, for all the miscellaneous vessel inspection amendments other than those described in paragraph b above, unless otherwise specifically provided for in the regulations.

d. With respect to approval of portable fire extinguishers and the specification in 46 CFR Subpart 162.028 set forth in this document, the following apply:

(i) On and after the date of publication of this document in the FEDERAL REGISTER, portable fire extinguishers listed and labeled as "marine type" by a recognized laboratory will be accepted as approved for use on merchant vessels, motorboats, etc., whenever required by the regulations in this chapter or in 33 CFR Chapter I.

(ii) On and after January 1, 1961, applications from manufacturers or others for specific Commandant's approvals of portable fire extinguishers will not be accepted, but such manufacturers will be referred to recognized laboratories authorized to list and label "marine type" portable fire extinguishers, under the provisions of 46 CFR Subpart 162.028.

(iii) A recognized laboratory's authority to issue "marine type" labels shall be limited to manufacturers that such laboratory has determined qualify therefor

under the requirements in 46 CFR Subpart 162.028.

(iv) A recognized laboratory must be one which is regularly engaged in the examination, testing, and evaluation of portable fire extinguishers in the United States, the Commonwealth of Puerto Rico, or the District of Columbia, and shall have an established factory inspection, listing, and labeling program. The recognized laboratory's major facilities for testing, etc., its principal officers, and a majority of its managing directors (if any) shall be located in the United States, the Commonwealth of Puerto Rico, or the District of Columbia.

(v) Effective January 1, 1962, all the outstanding Commandant's approvals for portable fire extinguishers are hereby terminated. Notwithstanding this termination of approval, all such extinguishers manufactured pursuant to approved plans and requirements prior to January 1, 1962, may be placed in service and/or continued in use so long as such extinguishers are in good and serviceable conditions. However, this action shall not modify or apply to previous requirements regarding removal of toxic vaporizing liquid type fire extinguishers, such as those containing carbon tetrachloride or chlorobromomethane, which shall be removed from all vessels on or before January 1, 1962. (See action published in FEDERAL REGISTERS dated September 6, 1958 and December 25, 1958, 23 F.R. 6880, 10366.)

NOTE: This action is intended to allow the manufacturers of currently approved portable fire extinguishers at least one year to qualify for portable fire extinguishers in accordance with the listing and labeling requirements of a recognized laboratory for marine type portable fire extinguishers as provided in Coast Guard specifications designated 46 CFR 162.028, as set forth in this document.

The disposition of the other proposals described in the notice of proposed rule making (25 F.R. 1440-1448), and Merchant Marine Council Public Hearing Agenda dated April 4, 1960 (CG-249), is as follows:

A. Radar observers required on radar equipped vessels of 300 gross tons and over. (Item I, CG-249, p. 1.) Document CGFR 60-30 was published May 6, 1960, in the FEDERAL REGISTER (25 F.R. 3969).

B. Lifesaving appliances on artificial islands and fixed structures on the Outer Continental Shelf. (Items II, III, pp. 2, 3, 10, 11.) Document CGFR 60-35 was published October 25, 1960, in the FEDERAL REGISTER.

C. Increasing number of life lines fitted to davit spans for lifeboats. (Item III, CG-249, pp. 24, 31, 36.) Action postponed pending further study.

D. Revised buoyant vest specification and termination of manufacturers' approvals. (Item III, CG-249, pp. 38-52.) Document CGFR 60-37 was published June 16, 1960, in the FEDERAL REGISTER (25 F.R. 5392-5394).

E. Lights for dump scows. (Item IV, CG-249, p. 53.) Document CGFR 60-61 was published September 21, 1960, in the FEDERAL REGISTER (25 F.R. 9045, 9046).

F. Close-up and intermediate towing. (Item IV, CG-249, p. 54.) Document

CGFR 60-61 was published September 21, 1960, in the FEDERAL REGISTER (25 F.R. 9045, 9046).

G. Distress signal for small vessels. (Item IV, CG-249, p. 55.) Document CGFR 60-34 was published May 20, 1960, in the FEDERAL REGISTER (25 F.R. 4451).

H. Specific proposals regarding small passenger vessels. (Item V, CG-249, pp. 59-113.) Document CGFR 60-54 was published September 29, 1960, in the FEDERAL REGISTER (25 F.R. 9315-9357).

I. Nuclear energy. (Item IX, CG-249, pp. 152-155.) Document CGFR 60-65 was published October 25, 1960, in the FEDERAL REGISTER.

J. Venting and/or ventilation of void spaces adjacent to cargo tanks containing certain dangerous bulk cargoes. (Item IX, CG-249, pp. 163-166.) Action postponed pending further study.

K. Stowage of bulk ore cargoes. (Item X, CG-249, p. 167.) Document CGFR 60-32 was published May 12, 1960, in the FEDERAL REGISTER (25 F.R. 4240).

L. Dangerous cargoes. (Item XI, CG-249, pp. 168-193.) Document CGFR 60-33 was published June 11, 1960, in the FEDERAL REGISTER (25 F.R. 5236-5243).

M. Miscellaneous proposals. (Item XII, CG-249, pp. 194, 195.) Document CGFR 60-31 was published May 6, 1960, in the FEDERAL REGISTER (25 F.R. 3967, 3968).

N. Renewal of masters', mates', or pilots' licenses. (Supplemental Item XII.) Document CGFR 60-60 was published September 24, 1960, in the FEDERAL REGISTER (25 F.R. 9176, 9177).

The amendments in this document which were not described in the FEDERAL REGISTER of February 18, 1960 (25 F.R. 1440-1448), or the Merchant Marine Council Public Hearing Agenda dated April 4, 1960 (CG-249), are considered to be statements of policy, interpretations of law, or editorial in nature, and it is hereby found that compliance with the Administrative Procedure Act (respecting notice of proposed rule making, public rule making procedures thereon, and effective date requirements thereof) is not required with respect to such changes.

By virtue of the authority vested in me as Commandant, United States Coast Guard, by Treasury Department Orders 120, dated July 31, 1950 (15 F.R. 6521), 167-9, dated August 3, 1954 (19 F.R. 5915), 167-14, dated November 28, 1954 (19 F.R. 8026), 167-17 (20 F.R. 4976), 167-20, dated June 18, 1956 (21 F.R. 4894), CGFR 56-28, dated July 24, 1956 (21 F.R. 5659), and 167-38, dated October 26, 1959 (24 F.R. 8857), to promulgate regulations in accordance with the statutes cited with the regulations below, the following amendments and regulations are prescribed:

SUBCHAPTER A—PROCEDURES APPLICABLE TO THE PUBLIC

PART 2—VESSEL INSPECTION

Subpart 2.50—Navigation and Vessel Inspection Laws

1. Section 2.50-25(a) is amended to read as follows:

§ 2.50-25 Payment of penalty for violation of law or regulation.

(a) The payment of any penalty is acknowledged on Coast Guard Form CG-2688 (Collection Receipt).

(R.S. 4405, as amended, 4462, as amended; 46 U.S.C. 375, 416)

Subpart 2.75—Approvals of Safety Equipment, Materials and Installations, and Qualifications for Construction Personnel

2. Subpart 2.75 is amended by inserting after § 2.75-20 a new § 2.75-25, reading as follows:

§ 2.75-25 Portable fire extinguishers.

(a) The portable fire extinguishers listed and labeled as "marine type" by a recognized laboratory, as provided in Subpart 162.028 of Part 162 of Subchapter Q (Specifications) of this chapter, will be accepted as approved for use on merchant vessels, motorboats, etc., whenever required by the regulations in this chapter, and for use on artificial islands and fixed structures on the Outer Continental Shelf whenever required by the regulations in 33 CFR Parts 140 to 146, inclusive.

(b) The procedures for manufacturers to follow and the requirements governing portable fire extinguishers to qualify being listed and labeled as "marine type" by a recognized laboratory are set forth in Subpart 162.028 of Part 162 of Subchapter Q (Specifications) of this chapter.

(c) The procedures for a laboratory to qualify as a "recognized laboratory" and to be listed in § 162.028-5 of Subchapter Q (Specifications) of this chapter are as follows:

(1) The laboratory shall submit an informal application in writing on its usual letterhead paper to the Commandant (MMT), United States Coast Guard, Washington 25, D.C., requesting recognition and listing, as a recognized laboratory.

(2) Accompanying the informal application, as identified enclosures, shall be:

(i) A certification that it is a laboratory which has been and is regularly engaged in the examination, testing, and evaluation of portable fire extinguishers.

(ii) A certification that it has an established factory inspection, listing, and labeling program, together with a complete description of it and how it works.

(iii) A description of its facilities used in the examination, testing, and evaluation of portable fire extinguishers, together with its name (if different from that of submitter), and location (city, street, and state).

(iv) A list of the names and home and office addresses of its principal officers and its managing directors (if any).

(v) A description of its special standards for listing and labeling portable fire extinguishers as "marine type," as contemplated by the specification in Subpart 162.028 of Part 162 of Subchapter Q (Specifications) of this chapter.

(3) If the Commandant finds that a laboratory qualifies as a "recognized laboratory," and it is subject to Coast

Guard jurisdiction, the approval and listing will be published in the FEDERAL REGISTER and will be in effect until suspended, canceled or terminated by proper authority. The failure of a recognized laboratory to maintain its established factory inspection, listing and labeling program as approved by the Commandant shall be cause for terminating a listing as a "recognized laboratory."

(R.S. 4405, as amended, 4462, as amended; 46 U.S.C. 375, 416. Interpret or apply R.S. 4417a, as amended, 4426, as amended, 4488, as amended, 4491, as amended, secs. 1, 2, 49 Stat. 1544, 1545, as amended, secs. 8, 17, 54 Stat. 165, as amended, 166, as amended, sec. 3, 54 Stat. 347, as amended, sec. 3, 70 Stat. 152, sec. 4, 67 Stat. 462, and sec. 3, 68 Stat. 675; 46 U.S.C. 391a, 404, 481, 489, 367, 526g, 526p, 1333, 390b, 43 U.S.C. 1333, 50 U.S.C. 198; E.O. 10402, 17 F.R. 9917; 3 CFR, 1952 Supp.)

3. Section 2.75-70 is amended to read as follows:

§ 2.75-70 Welders.

(a) Welders are required to pass tests before being permitted to make welds subject to inspection by the Coast Guard. Description of the tests is contained in Part 56 of this chapter.

(R.S. 4405, as amended, 4462, as amended; 46 U.S.C. 375, 416)

PART 4—INVESTIGATIONS AND HEARINGS**Subpart 4.01—Casualties and Accidents**

1. Section 4.01-1 is amended to read as follows:

§ 4.01-1 Reports.

(a) Regulations regarding reports of marine casualties and accidents are in Part 136 of this chapter.

(b) Regulations regarding reports of boating accidents under the Federal Boating Act of 1958 are in Part 173 of this chapter.

(Sec. 2, 63 Stat. 496, sec. 633, 63 Stat. 545; 14 U.S.C. 2, 633)

2. Subpart 4.01 is amended by inserting a new § 4.01-5 reading as follows:

§ 4.01-5 Investigation.

(a) Regulations for casualty and accident investigation procedures are contained in Part 136 of this chapter.

(Sec. 2, 63 Stat. 496, sec. 633, 63 Stat. 545; 14 U.S.C. 2, 633. Interpret or apply R.S. 4450, as amended, 46 U.S.C. 239)

§ 4.01-15 [Cancellation]

3. Section 4.01-15 *Board investigations* is cancelled.

§ 4.01-30 [Cancellation]

4. Section 4.01-30 *Board investigation reports* is cancelled.

§ 4.01-45 [Cancellation]

5. Section 4.01-45 *Procedures followed in investigations* is cancelled.

§ 4.01-60 [Cancellation]

6. Section 4.01-60 *Preferring charges* is cancelled.

SUBCHAPTER C—UNINSPECTED VESSELS**PART 25—REQUIREMENTS****Subpart 25.25—Life Preservers and Other Lifesaving Equipment**

Section 25.25-5 is amended by revising paragraphs (c) and (e) to read as follows:

§ 25.25-5 General provisions.

(c) All life preservers shall be of an approved type, constructed in accordance with the applicable provisions of Subparts 160.002, 160.003, 160.004, 160.005, or 160.055 of Subchapter Q (Specifications) of this chapter. After July 1, 1963, all kapok and fibrous glass life preservers which do not have plastic-covered pad inserts as required by Subparts 160.002 and 160.005 shall not be acceptable as equipment required by this subchapter.

(e) All buoyant cushions shall be of an approved type, constructed in accordance with the applicable provisions of Subpart 160.048 or 160.049 of Subchapter Q (Specifications) of this chapter. After July 1, 1963, all kapok and fibrous glass buoyant cushions which do not have plastic-covered pad inserts as required by Subpart 160.048 shall not be acceptable as equipment required by this subchapter.

(R.S. 4405, as amended, 4462, as amended, sec. 17, 54 Stat. 166, as amended; 46 U.S.C. 375, 416, 526p)

SUBCHAPTER D—TANK VESSELS**PART 32—SPECIAL EQUIPMENT, MACHINERY, AND HULL REQUIREMENTS****Subpart 32.50—Pumps, Piping, and Hose for Cargo Handling**

1. Subpart 32.50 is amended by inserting a new § 32.50-3 to follow § 32.50-1, reading as follows:

§ 32.50-3 Cargo discharge—TB/ALL.

(a) Pumps or other acceptable means shall be used to discharge cargo from gravity type cargo tanks vented at gauge pressures of 4 pounds per square inch or less.

(b) The use of compressed air as the primary means of discharging cargo from such tanks is prohibited.

(R.S. 4405, as amended, 4417a, as amended, 4462, as amended; 46 U.S.C. 375, 391a, 416. Interpret or apply sec. 3, 68 Stat. 675, 50 U.S.C. 198; E.O. 10402, 17 F.R. 9917; 3 CFR, 1952 Supp.)

Subpart 32.60—Hull Requirements for Tank Vessels Constructed on or After July 1, 1951

2. Section 32.60-30 is amended by adding a new paragraph (c) reading as follows:

§ 32.60-30 Tank vessels with independent tanks—TB/ALL.

(c) Cargo tanks independent of the hull structure shall be supported in sad-

dles or on foundations of steel or other suitable material and securely attached in place to preclude the cargo from being damaged or shifting as a result of collision. The arrangement shall be such as to permit longitudinal and circumferential, or athwartship and vertical, expansion of the cargo tanks. Each tank shall be supported so as to prevent the concentration of excessive loads on the supporting portion of the shell.

(R.S. 4405, as amended, 4417a, as amended, 4462, as amended; 46 U.S.C. 375, 391a, 416. Interpret or apply sec. 3, 68 Stat. 675, 50 U.S.C. 198; E.O. 10402, 17 F.R. 9917; 3 CFR, 1952 Supp.)

PART 33—LIFESAVING APPLIANCES

Subpart 33.01—General Lifesaving Requirements

1. Section 33.01-30 is amended by adding new paragraphs (e) and (f) reading as follows:

§ 33.01-30 Approval of lifesaving appliances—TB/ALL.

(e) Inflatable life rafts shall be of an approved type constructed in accordance with Subpart 160.051 of Subchapter Q (Specifications) of this chapter.

(f) In general, a suitable rescue boat shall be a small light weight boat of rigid construction, with built-in buoyancy and capable of being readily launched and easily maneuvered. Also it shall be of adequate proportion to permit taking an unconscious person on board without capsizing. A rescue boat and its installation shall be acceptable to the OCMI as suitable for the rescue of persons accidentally falling over the side, or for similar emergency purposes. The size, shape, installation, and other factors of suitability will be determined with due consideration of the size, arrangement, intended service and crew requirements of the vessel on which it is to be installed.

(R.S. 4405, as amended, 4417a, as amended, 4462, as amended, 4488, as amended; 46 U.S.C. 375, 391a, 416, 481. Interpret or apply sec. 3, 68 Stat. 675, 50 U.S.C. 198; E.O. 10402, 17 F.R. 9917; 3 CFR, 1952 Supp.)

Subpart 33.05—Lifeboats, Life Rafts, and Buoyant Apparatus Required

2. Section 33.05-1 is amended by adding a new paragraph (d) reading as follows:

§ 33.05-1 Lifeboats for tank ships; ocean; construction or conversion of which was started prior to November 19, 1952—T/O.

(d) Inflatable life rafts may be substituted for lifeboats on certain vessels in accordance with Subpart 33.07.

3. Section 33.05-2 is amended by adding a new paragraph (d) reading as follows:

§ 33.05-2 Lifeboats for tank ships; ocean; construction or conversion of which was started on or after November 19, 1952—T/O.

(d) Inflatable life rafts may be substituted for lifeboats on certain vessels in accordance with Subpart 33.07.

3. Section 33.05-5 is amended by adding a new paragraph (c) reading as follows:

§ 33.05-5 Lifeboats for barges; ocean—B/O.

(c) Inflatable life rafts may be substituted for lifeboats on certain vessels in accordance with Subpart 33.07.

4. Section 33.05-10 is amended by adding a new paragraph (c) reading as follows:

§ 33.05-10 Lifeboats for tank ships; coastwise; construction or conversion of which was started prior to November 19, 1952—T/C.

(c) Inflatable life rafts may be substituted for lifeboats on certain vessels in accordance with Subpart 33.07.

5. Section 33.05-15 is amended by adding a new paragraph (c) reading as follows:

§ 33.05-15 Lifeboats for barges; coastwise—B/C.

(c) Inflatable life rafts may be substituted for lifeboats on certain vessels in accordance with Subpart 33.07.

6. Section 33.05-20 is amended by adding a new paragraph (d) reading as follows:

§ 33.05-20 Lifeboats and life rafts for tank vessels; Great Lakes—TB/L.

(d) Inflatable life rafts may be substituted for lifeboats and life rafts on certain vessels in accordance with Subpart 33.07.

7. Section 33.05-25 is amended by adding a new paragraph (d) reading as follows:

§ 33.05-25 Lifeboats, life rafts, or buoyant apparatus for tank vessels; bays, sounds, lakes other than Great Lakes, and rivers—TB/BR.

(d) Inflatable life rafts may be substituted for lifeboats, life rafts and buoyant apparatus on certain vessels in accordance with Subpart 33.07.

8. Section 33.05-30 is amended by adding a new paragraph (c) reading as follows:

§ 33.05-30 Equipment for tank vessels on short voyages beyond certificated waters—TB/LB.

(c) Inflatable life rafts may be substituted for lifeboats, life rafts and buoyant apparatus on certain vessels in accordance with Subpart 33.07.

(R.S. 4405, as amended, 4417a, as amended, 4462, as amended, 4488, as amended, sec. 17, 54 Stat. 166, as amended; 46 U.S.C. 375, 391a, 416, 481, 526p)

9. Part 33 is amended by inserting after Subpart 33.05 a new Subpart 33.07, consisting of §§ 33.07-1 to 33.07-25, inclusive, reading as follows:

Subpart 33.07—Substitution of Inflatable Life Rafts for Other Life Rafts, Life Floats, and Buoyant Apparatus on Certain Vessels

Sec.	
33.07-1	Inflatable life rafts on barges—B/ALL.
33.07-5	Inflatable life rafts for other life rafts, life floats, and buoyant apparatus—T/ALL.
33.07-10	Inflatable life rafts for lifeboats on tank ships under 500 gross tons—T/ALL.
33.07-15	Inflatable life rafts for lifeboats on certain tank ships of 500 to 1,600 gross tons—T/ALL.
33.07-20	Inflatable life rafts for lifeboats on certain tank ships of 1,600 to 3,000 gross tons—T/ALL.
33.07-25	Inflatable life rafts for lifeboats on certain tank ships of 3,000 gross tons and upward—T/ALL.

AUTHORITY: §§ 33.07-1 to 33.07-25 issued under R.S. 4405, as amended, 4417a, as amended, 4462, as amended, 4488, as amended; 46 U.S.C. 375, 391a, 416, 481. Interpret or apply sec. 3, 68 Stat. 675, 50 U.S.C. 198; E.O. 10402, 17 F.R. 9917, 3 CFR, 1952 Supp.

§ 33.07-1 Inflatable life rafts on barges—B/ALL.

(a) On all tank barges inflatable life rafts may be substituted for lifeboats, other types of life rafts, life floats, and buoyant apparatus wherever they may be required.

(b) The capacity of inflatable rafts carried in place of other life rafts, life floats, and buoyant apparatus shall be sufficient to accommodate all persons on board.

(c) The substitution of inflatable life rafts shall not be made without prior approval of the Officer in Charge, Marine Inspection.

§ 33.07-5 Inflatable life rafts for other life rafts, life floats and buoyant apparatus—T/ALL.

(a) On all tank ships, except those required to meet the standards of the International Convention for Safety of Life at Sea, 1948, inflatable life rafts may be permitted as substitutes for other types of life rafts, life floats and buoyant apparatus required by this subpart.

(b) The capacity of inflatable life rafts carried in place of other type life rafts, life floats and buoyant apparatus shall be at least equivalent to that required of equipment for which substitution is made.

(c) The substitution of inflatable life rafts shall not be made without prior approval of the Officer in Charge, Marine Inspection.

§ 33.07-10 Inflatable life rafts for lifeboats on tank ships under 500 gross tons—T/ALL.

(a) On all tank ships under 500 gross tons, inflatable life rafts may be substituted for all required lifeboats.

(b) The total capacity of the inflatable life rafts shall be at least equal to the total number of persons that the lifeboats would have been required to accommodate. Partial substitution is permissible provided the aggregate lifeboat and inflatable life raft capacity is sufficient to accommodate the required number of persons, as indicated above.

(c) Where substitution of inflatable life rafts is made, a suitable rescue boat shall be provided. In the case of partial substitution, a lifeboat may serve as the rescue boat.

(d) The substitution of inflatable life rafts for lifeboats shall not be made without prior approval of the Officer in Charge, Marine Inspection.

§ 33.07-15 Inflatable life rafts for lifeboats on certain tank ships of 500 to 1,600 gross tons—T/ALL.

(a) On all tank ships of 500 gross tons and upwards to 1,600 gross tons, except those required to meet the standards of the International Convention for Safety of Life at Sea, 1948, inflatable life rafts may be substituted for all required lifeboats provided one approved lifeboat of a size acceptable to the Officer in Charge, Marine Inspection, suitable for rescue purposes, is installed.

(b) The aggregate lifeboat and inflatable life raft capacity shall be at least equal to the total number of persons that the lifeboats would have been required to accommodate.

(c) The launching arrangement and location of the lifeboat to be used as rescue boat shall be such that it can be readily launched and shall be to the satisfaction of the Officer in Charge, Marine Inspection.

(d) The substitution of inflatable life rafts for lifeboats shall not be made without prior approval of the Officer in Charge, Marine Inspection.

§ 33.07-20 Inflatable life rafts for lifeboats on certain tank ships of 1,600 to 3,000 gross tons—T/ALL.

(a) On all tank ships of 1,600 gross tons and upwards to 3,000 gross tons, except those required to meet the standards of the International Convention for Safety of Life at Sea, 1948, inflatable life rafts may be substituted for all except two of the required lifeboats. These lifeboats shall be of a size acceptable to the Officer in Charge, Marine Inspection, and shall be suitable for rescue purposes. In all cases, two approved lifeboats, one on each side, shall be provided.

(b) The aggregate lifeboat and inflatable life raft capacity shall be at least equal to the total number of persons that the lifeboats, for which substitutions are made plus those remaining on board, would have been required to accommodate.

(c) The substitution of inflatable life rafts for lifeboats shall not be made without prior approval of the Officer in Charge, Marine Inspection.

§ 33.07-25 Inflatable life rafts for lifeboats on certain tank ships of 3,000 gross tons and upward—T/ALL.

(a) The Commandant may give special consideration to the substitution of approved inflatable life rafts for required lifeboats on tank ships of 3,000 gross tons and over, except those tank ships required to meet the standards of the International Convention for Safety of Life at Sea, 1948.

Subpart 33.10—Lifeboat Handling Equipment Requirements

10. Section 33.10-15 is amended to read as follows:

§ 33.10-15 Disengaging apparatus—T/OCL.

(a) *Type required.* (1) Lifeboats on all ocean, coastwise and Great Lakes tankships of over 3,000 gross tons, the construction or conversion of which is started on or after January 1, 1961, shall be fitted with mechanical disengaging apparatus of an approved type constructed in accordance with Subpart 160.033 of Subchapter Q (Specifications) of this chapter. Such disengaging apparatus shall be so arranged as to make it possible for the lifeboats to be launched while such vessels are under way or stopped, and for both ends of the lifeboat to be released simultaneously, under tension, by one person. The gears shall be capable of being released from one position in the lifeboat while the boat is fully loaded with allowed persons and equipment. Simultaneous release shall be effected by partially rotating a shaft which shall be continuous and extend from one point of contact with the hooks.

(2) Lifeboats on all ocean, coastwise and Great Lakes tankships of not over 3,000 gross tons shall be fitted with suitable disengaging apparatus. Mechanical disengaging apparatus, if fitted, shall be of approved type constructed in accordance with Subpart 160.033 of Subchapter Q (Specifications) of this chapter.

(3) Lifeboats on all ocean, coastwise and Great Lakes tankships of over 3,000 gross tons, the construction or conversion of which is started before January 1, 1961, shall be fitted with suitable disengaging apparatus. Mechanical disengaging apparatus, if fitted, shall be as follows:

(i) On all such tankships mechanical disengaging apparatus shall be of a type approved by the Commandant.

(ii) On all such ocean and coastwise tankships, the construction or conversion of which was started on or after July 1, 1961, the arrangement shall be as described in subparagraph (1) of this paragraph.

(b) *Replacement of lifeboats on vessels of over 3,000 gross tons.* (1) Re-

placement of lifeboats on ocean, coastwise and Great Lakes tankships of over 3,000 gross tons shall be in accordance with the following:

(i) On and after January 1, 1961, all replacement lifeboats shall be fitted with approved mechanical disengaging apparatus constructed and arranged as described in paragraph (a)(1) of this section.

(ii) Until January 1, 1961, all replacement lifeboats on ocean and coastwise tankships shall be fitted with approved mechanical disengaging apparatus constructed and arranged as described in paragraph (a)(1) of this section if the lifeboat being replaced is fitted with mechanical disengaging apparatus.

(2) Replacement of lifeboats in accordance with the provisions of this paragraph may be made on an individual lifeboat basis.

11. Section 33.10-20 is amended to read as follows:

§ 33.10-20 Disengaging apparatus—T/BR and B/ALL.

(a) Lifeboats shall be fitted with suitable disengaging apparatus. Mechanical disengaging apparatus shall be of a type approved by the Commandant.

(b) Not more than one type of releasing gear shall be fitted in the lifeboats of a particular vessel unless otherwise approved by the Commandant.

(R.S. 4405, as amended, 4417a, as amended, 4462, as amended, 4488, as amended; 46 U.S.C. 375, 391a, 416, 481. Interpret or apply sec. 3, 68 Stat. 675, 50 U.S.C. 198; E.O. 10402, 17 F.R. 9917; 3 CFR, 1952 Supp.)

Subpart 33.15—Equipment for Lifeboats, Life Rafts, or Buoyant Apparatus

12. Section 33.15-5(a) is amended by revising Table 33.15-5(a) to read as follows:

§ 33.15-5 Required equipment for lifeboats—TB/ALL.

(a) * * *

TABLE 33.15-5(a)

Letter identification	Item	Tank ship			Tank barge—all waters
		Ocean and coastwise	Great Lakes	Lakes, bays, sounds, and rivers	
a.....	Bailer.....	1	1	None	None
b.....	Bilge pump.....	1	None	None	None
c.....	Boathooks.....	2	1	1	1
d.....	Bucket.....	2	1	1	1
e.....	Compass and mounting.....	1	None	None	None
f.....	Ditty bag.....	1	None	None	None
g.....	Drinking cup.....	2	2	2	2
h.....	Fire extinguisher (motor-propelled lifeboats only).....	1	None	None	None
i.....	First-aid kit.....	1	1	None	None
j.....	Flashlight.....	2	2	1	None
k.....	Hatchet.....	2	None	None	None
l.....	Heaving line.....	1	None	None	2 1
m.....	Jackknife.....	1	None	None	None
n.....	Ladder, lifeboat, gunwale.....	1	1	1	1
o.....	Lantern.....	1	1	1	1
p.....	Life line.....	2	2	2	2
q.....	Life preservers.....	1	1	None	None
r.....	Locker.....	1	None	None	None
s.....	Mast and sail (oar-propelled lifeboats only).....	2	1	1	1
t.....	Matches (boxes).....	1	None	None	None
u.....	Milk, condensed (pounds per person).....	2	None	None	None
v.....	Mirror, signaling.....	1	1	1	1
w.....	Oars (units).....	1	1	None	None
x.....	Oil illuminating (quarts).....	1	1	None	None

See footnotes at end of table.

TABLE 33.15-5(a)—Continued

Letter identification	Item	Tank ship			Tank barge—all waters
		Ocean and coastwise	Great Lakes	Lakes, bays, sounds, and rivers	
y	Oil storm (gallons)	1	1	None	None
z	Painter	2	2	1	1
aa	Plug	1	1	1	1
bb	Provisions (pounds per person)	2	None	None	None
cc	Rowlocks (units)	4 1	4 1	4 1	4 1
dd	Rudder and tiller	1	1	None	2 1
ee	Sea anchor	2	None	None	None
ff	Signals, distress, floating orange smoke	4 1	4 1/2 unit	None	None
gg	Signals, distress, red hand flare (units)	4 1	4 1/2 unit	None	None
hh	Signals, distress, red parachute flare (units)	4 1	4 1	4 1	4 1
ii	Tool kit (motor-propelled lifeboats only)	3	None	None	2 1
jj	Water (quarts per person)				

¹ Only 1 required on other than seagoing barges.

² Seagoing barges only.

³ Not required on lifeboats of less than 60-person capacity.

⁴ For description of unit see § 33.15-10.

⁵ Lifeboats on barges need only carry 4 rowlocks.

⁶ Vessels in coastwise service need only carry 1 unit for each 5 lifeboats or fraction thereof.

13. Section 33.15-10(z) is amended to read as follows:

§ 33.15-10 Description of equipment for lifeboats—TB/ALL.

(z) *Painter*. Painters shall be of manila rope not less than 2¾ inches in circumference, or equivalent, and of a length not less than 3 times the distance between the deck on which the lifeboat is stowed and the light draft of the vessel. For lifeboats on vessels in ocean or coastwise service, one of the painters shall have a long eye splice and be attached to the thwart with a toggle. The other painter shall be attached to the stem.

14. Section 33.15-10(jj) (3) is deleted, effective November 19, 1960.

§ 33.15-15 Required equipment for rigid type life rafts and buoyant apparatus—TB/LBR.

15. Section 33.15-15 is amended by revising the headnote as set forth above, and by changing the phrase "life rafts" to "rigid type life rafts" in § 33.15-15 (a), first sentence.

16. Subpart 33.15 is amended by inserting after § 33.15-15 a new § 33.15-16 reading as follows:

§ 33.15-16 Required equipment for inflatable life rafts—TB/ALL.

(a) Inflatable life rafts shall be equipped for "Ocean Service" or "Limited Service" depending on the certificated route in accordance with Subpart 160.051 of Subchapter Q (Specifications) of this chapter.

NOTE: Subpart 160.051 of this chapter requires the servicing of inflatable life rafts at approved servicing facilities. Included in the servicing at an approved facility is a complete inspection of the required equipment by a marine inspector.

17. Section 33.15-20(i) is amended to read as follows:

§ 33.15-20 Description of equipment for life rafts and buoyant apparatus—TB/LBR.

(i) *Signals, distress*. (1) A unit, consisting of equipment as specified in subparagraph (2) or (3) of this paragraph.

The service use of this equipment shall be limited to 3 years from date of manufacture, and replacement shall be made no later than the first inspection (biennial or reinspection) after the date of expiration.

(2) 12 parachute red flare distress signals with an approved means of projecting them, all contained in a portable watertight container. Construction shall be in accordance with Subparts 160.024 and 160.028 or 160.036 of Subchapter Q (Specifications) of this chapter.

(3) 6 approved hand red flare distress signals and 6 parachute red flare distress signals with an approved means of projecting them, all contained in a portable watertight container. Construction shall be in accordance with Subparts 160.021, 160.024 and 160.028 or 160.036 of Subchapter Q (Specifications) of this chapter.

(R.S. 4405, as amended, 4417a, as amended, 4462, as amended, 4488, as amended; 46 U.S.C. 375, 391a, 416, 481. Interpret or apply sec. 3, 68 Stat. 675, 50 U.S.C. 198; E.O. 10402, 17 F.R. 9917; 3 CFR, 1952 Supp.)

Subpart 33.20—Stowage of Lifeboats, Life Rafts, and Buoyant Apparatus

18. Section 33.20-1 is amended by revising paragraph (c) and by adding a new paragraph (f) reading as follows:

§ 33.20-1 Davits and launching devices—TB/ALL.

(c) (1) On all tank ships of 500 gross tons and over in ocean and coastwise service, the conditions set forth in subparagraphs (2) to (6), inclusive, of this paragraph shall apply. Tank ships of 500 gross tons and over in Great Lakes service shall comply with the conditions set forth in subparagraphs (2) and (3) of this paragraph.

(2) An approved ladder, constructed in accordance with Subpart 163.017 of Subchapter Q (Specifications) of this chapter shall be provided at each set of davits to afford access to the lifeboats when waterborne.

(3) All davit installations shall have at least 2 life lines fitted to a davit span. The life lines shall be of such length as to reach the water at the lightest draft

with the vessel listed 15 degrees either way.

(4) Suitable means shall be provided on vessels engaged on international voyages for illuminating the launching gear and the lifeboats during the process of launching the lifeboats from the stowed position until they are waterborne. For detailed requirements of such illumination for tank vessels contracted for on or after November 19, 1955, see Part 111 of Subchapter J (Electrical Engineering) of this chapter.

(5) On tankships the construction or conversion of which was started on or after November 19, 1952, where applicable, means shall be provided outside the machinery space to prevent the discharge of water into the lifeboats while they are being lowered. This shall consist of baffles to deflect the water down the vessel's side, reach rods or other means to close the discharge openings, or a remote means for stopping the pumps.

(6) Lifeboats, when stowed on a deck more than 15 feet above the deepest seagoing draft, shall be fitted with skates or other suitable means to facilitate launching against an adverse list of up to 15 degrees. However, skates may be dispensed with if, in the opinion of the Commandant, the arrangements are such as to insure that the lifeboats can be satisfactorily launched without skates. For vessels contracted for prior to November 19, 1952, skates need only be fitted if in the opinion of the Officer in Charge, Marine Inspection, the arrangement or construction of the vessel is such that overhanging decks, openings, or other similar obstructions make their use necessary.

(f) On a tank ship on which inflatable life rafts have been substituted for lifeboats, a launching device for each lifeboat to be used for rescue purposes shall be installed. Radial type davits or other means may be used in sheltered waters if acceptable to the Officer in Charge, Marine Inspection.

19. Subpart 33.20 is amended by inserting after § 33.20-1 a new § 33.20-3 reading as follows:

§ 33.20-3 Embarkation aids into inflatable life rafts—T/ALL.

(a) Where inflatable life rafts are substituted for lifeboats, unless freeboard at embarkation point is such that embarkation devices are not necessary, suitable arrangements shall be made for embarkation which shall include sufficient ladders or other suitable devices to facilitate embarkation into the inflatable life rafts when waterborne.

20. Section 33.20-15 is amended by adding a new paragraph (d) reading as follows:

§ 33.20-15 Stowage of lifeboats and life rafts—TB/ALL.

(d) Inflatable life rafts shall be stowed in such a manner that they will float free in the event of the vessel sinking. Stowage and launching arrangements shall be to the satisfaction of the Officer in Charge, Marine Inspection.

(R.S. 4405, as amended, 4417a, as amended, 4462, as amended, 4488, as amended; 46 U.S.C. 375, 391a, 416, 481. Interpret or apply sec. 3, 68 Stat. 675, 50 U.S.C. 198; E.O. 10402, 17 F.R. 9917; 3 CFR, 1952 Supp.)

Subpart 33.25—Markings, Care and Inspection

21. Section 33.25-10 is amended to read as follows:

§ 33.25-10 Marking of life rafts—TB/ALL.

(a) There shall be stenciled in a conspicuous place on each rigid type life raft the number of persons the life raft can carry.

(b) There shall be stenciled in a conspicuous place in the immediate vicinity of each inflatable life raft the following:

INFLATABLE LIFE RAFT NO. -----
----- PERSONS CAPACITY

These markings shall not be placed on the inflatable life raft containers.

NOTE: § 160.051-8(a) of Subchapter Q (Specifications) of this chapter requires permanently attached name plates on each inflatable life raft and carrying case. The name plate contains the following information: The name of manufacturer, approval number, manufacturer's model number, serial number and lot number, and the number of persons for which the inflatable life raft is approved. In addition, the carrying case shall be marked "Ocean Service Equipment" or "Limited Service Equipment" as applicable, together with the marine inspector's initials, the date, and the letters "USCG."

22. Section 33.25-15 is amended by revising paragraph (a) and by adding a new paragraph (d), reading as follows:

§ 33.25-15 Overhaul—TB/ALL.

(a) All lifeboats, rescue boats, and rigid type life rafts shall be stripped, cleaned and thoroughly overhauled at least once in every year.

(d) Inflatable life rafts shall be serviced at an approved servicing facility in accordance with the provisions of Subpart 160.051 of Subchapter Q (Specifications) of this chapter. Inflatable life rafts shall be serviced at an approved servicing facility every 12 months or not later than the next vessel inspection for certification provided the total time since date of last servicing does not exceed 15 months. The period for servicing is computed from date of last servicing. Except in emergencies no servicing should be done aboard vessels. If at any time external damage is found to the container or straps or if the seal is broken, the Officer in Charge, Marine Inspection, shall be notified and the raft shall be serviced by an approved servicing facility.

NOTE: After the raft has been satisfactorily serviced in the presence of a marine inspector at an approved servicing facility, the raft is repacked and sealed and the carrying case stamped "PASSED" together with the date, port, and the marine inspector's initials.

(R.S. 4405, as amended, 4417a, as amended, 4462, as amended, 4488, as amended; 46 U.S.C. 375, 391a, 416, 481. Interpret or apply sec. 3, 68 Stat. 675, 50 U.S.C. 198; E.O. 10402, 17 F.R. 9917; 3 CFR, 1952 Supp.)

Subpart 33.35—Life Preservers

23. Section 33.35-15 is amended to read as follows:

§ 33.35-15 Specifications for manufacturing life preservers—TB/ALL.

(a) The specifications regarding life preservers and buoyant materials are in Subparts 160.001, 160.002, 160.003, 160.004, 160.005, 160.006, 160.055, 164.001, 164.002, and 164.003 of Subchapter Q (Specifications) of this chapter.

(b) On or before July 1, 1963, all kapok and fibrous glass life preservers which do not have plastic-covered pad inserts as required by Subparts 160.002 and 160.005 shall be removed from service.

(R.S. 4405, as amended, 4417a, as amended, 4462, as amended, 4488, as amended; 46 U.S.C. 375, 391a, 416, 481. Interpret or apply sec. 3, 68 Stat. 675, 50 U.S.C. 198; E.O. 10402, 17 F.R. 9917; 3 CFR, 1952 Supp.)

Subpart 33.40—Ring Life Buoys and Water Lights

24. Section 33.40-5(b) is amended to read as follows:

§ 33.40-5 Number required on tank ships—T/ALL.

(b) One of the ring life buoys on each side of the vessel shall have secured to it a line at least 15 fathoms in length.

(R.S. 4405, as amended, 4417a, as amended, 4462, as amended, 4488, as amended; 46 U.S.C. 375, 391a, 416, 481. Interpret or apply sec. 3, 68 Stat. 675, 50 U.S.C. 198; E.O. 10402, 17 F.R. 9917; 3 CFR, 1952 Supp.)

PART 34—FIRE-FIGHTING EQUIPMENT

Subpart 34.10—Fire Pumps, Mains, Hydrants, and Fire Hose for Tank Ships

1. Section 34.10-30 is amended by adding a new paragraph (g) reading as follows:

§ 34.10-30 Fire hose—T/ALL.

(g) All lined and unlined hose installed after January 1, 1961 shall be of fire hose quality, in conformance with Underwriters' Laboratories, Inc., Standard 18 or 19, or Federal Specifications JJ-H-571 or ZZ-H-451a. Hose which bears the label of Underwriters' Laboratories, Inc., as inspected lined or unlined fire hose will be accepted as conforming to this requirement.

(R.S. 4405, as amended, 4417a, as amended, 4462, as amended, 4488, as amended; 46 U.S.C. 375, 391a, 416, 481. Interpret or apply sec. 3, 68 Stat. 675, 50 U.S.C. 198; E.O. 10402, 17 F.R. 9917; 3 CFR, 1952 Supp.)

Subpart 34.25—Hand Fire Extinguishers

2. Section 34.25-1 is amended to read as follows:

§ 34.25-1 Hand fire extinguishers; approval—TB/ALL.

(a) Every fire extinguisher provided for and required by this part shall be of an approved type.

(R.S. 4405, as amended, 4417a, as amended, 4462, as amended, 4488, as amended; 46 U.S.C. 375, 391a, 416, 481. Interpret or apply sec. 3, 68 Stat. 675, 50 U.S.C. 198; E.O. 10402, 17 F.R. 9917; 3 CFR, 1952 Supp.)

PART 35—OPERATIONS

Subpart 35.05—Officers and Crews

1. Section 35.05-15(b) is amended to read as follows:

§ 35.05-15 Watchman for a tank vessel—TB/ALL.

(b) *Unmanned barge.* (1) A strict watch of each unmanned barge in tow shall be maintained from the towing vessel while under way.

(2) When a barge is moored but not gas free, at least one of the following precautions shall be taken:

(i) The barge shall be under the observation of a watchman who may be a member of the complement of the towing vessel, or a terminal employee, or other competent person responsible for the security of the barge and for keeping unauthorized persons off the barge; or, (ii) All cargo tank hatches shall be clearly marked in not less than 3-inch lettering, "DANGER—KEEP OUT," and in addition all hatch covers shall be closed and dogged down, or otherwise secured, by a tool-operated device, such as a length of pipe, so that no person can open the hatch by use of bare hands alone.

(R.S. 4405, as amended, 4417a, as amended, 4462, as amended; 46 U.S.C. 375, 391a, 416. Interpret or apply sec. 3, 68 Stat. 675, 50 U.S.C. 198; E.O. 10402, 17 F.R. 9917; 3 CFR, 1952 Supp.)

Subpart 35.30—General Safety Rules

2. Section 35.30-20 is amended to read as follows:

§ 35.30-20 Emergency equipment—TB/ALL.

(a) All manned tank vessels having tanks which exceed 15 feet in depth, measured from the deck to the lowest point at which cargo is carried, and all tank ships of 1,000 gross tons and over shall be provided with an outfit as follows:

(1) One approved fresh air breathing apparatus, including belt and life line. The length of the air hose shall be sufficient to reach from the open deck, well clear of hatch or doorway, to any part of the holds, tanks, and, except as provided in the following subparagraph, the machinery spaces.

(2) If it is not practicable to reach all portions of the machinery space with the air hose of the fresh air breathing apparatus, an approved self-contained breathing apparatus with adequate life line shall be carried for use in the machinery space. In such case, the particular apparatus provided for the machinery space shall be used for no other purpose, shall be marked indicating the restriction to its use, and shall be stowed convenient to, but outside of the machinery space.

(3) One approved 3-cell, explosion proof flashlight, constructed in accord-

ance with Subpart 161.008 of Subchapter Q (Specifications) of this chapter.

(4) One fire ax.

(b) Approved self-contained breathing apparatus with adequate life lines may be provided in addition to the equipment required in the preceding paragraph, and may be used in any space on the vessel.

3. Section 35.30-35 is amended to read as follows:

§ 35.30-35 Spark producing devices—TB/ALL.

(a) Where Grades A, B, C, and D liquid cargoes are involved, power driven or manually operated spark producing devices shall not be used in bulk cargo tanks, fuel oil tanks, cargo pump rooms, or enclosed spaces immediately above or adjacent to bulk cargo tanks unless all the following conditions are met:

(1) The compartment itself is gas-free;

(2) The compartments adjacent and the compartments diagonally adjacent are either (i) gas-free, (ii) inerted, (iii) filled with water, (iv) contain Grade E liquid and are closed and secured, or (v) are spaces in which inflammable vapors and gases normally are not expected to accumulate; and,

(3) All other compartments of the vessel in which inflammable vapors and gases may normally be expected to accumulate are closed and secured.

(b) This section does not prohibit the use of small hand tools in such locations.

(R.S. 4405, as amended, 4417a, as amended, 4462, as amended; 46 U.S.C. 375, 391a, 416. Interpret or apply sec. 3, 68 Stat. 675, 50 U.S.C. 198; E.O. 10402, 17 F.R. 9917; 3 CFR, 1952 Supp.)

Subpart 35.35—Cargo Handling

4. Section 35.35-15 is amended by revising the headline and paragraph (a) to read as follows:

§ 35.35-15 Connecting for cargo transfer—TB/ALL.

(a) Movement of the vessel shall be considered when making the cargo connections to insure safe cargo transfer. Suitable material shall be used in joints and in couplings when making connections to insure that they are tight. Under no circumstances shall less than three bolts be used in a bolted flanged coupling.

(b) When cargo connections are supported by ship's tackle, the senior deck officer on duty shall determine the weights involved in order to insure that sufficient tackles are used.

5. Section 35.35-20 is amended by revising paragraphs (c) and (e) to read as follows:

§ 35.35-20 Inspection prior to transfer of cargo—TB/ALL.

(c) Cargo connections have been made as described in § 35.35-15 and cargo valves are set.

(e) In loading Grades A, B, and C cargoes, there are no fires or open flames present on the deck, or in any compartment which is located on, facing, open,

and adjacent to that part of the deck on which cargo connections have been made.

6. Section 35.35-30 is amended by revising items (3), (4), and (5) in the "Declaration of Inspection Prior to Bulk Cargo Transfer" to read as follows:

§ 35.35-30 "Declaration of Inspection" for tank ships—T/ALL.

(3) Have cargo connections been properly made and are cargo valves properly set?

(4) Have all cargo connections for loading Grades A, B, and C cargoes been made to vessel's pipelines?

(5) Are there any fires or open flames present on the deck or in any compartment which is located on, facing, open and adjacent to the main deck of the vessel on which the cargo connections have been made?

7. Section 35.35-35(c) is amended to read as follows:

§ 35.35-35 Duties of senior deck officer during transfer operations—TB/ALL.

(c) Observe cargo connections for leakage.

8. Section 35.35-50 is amended to read as follows:

§ 35.35-50 Termination of transfer operations—TB/ALL.

(a) When transfer operations are completed the valves on cargo connections on the vessel shall be closed. The cargo connections shall be drained of cargo.

(R.S. 4405, as amended, 4417a, as amended, 4462, as amended; 46 U.S.C. 375, 391a, 416. Interpret or apply sec. 3, 68 Stat. 675, 50 U.S.C. 198; E.O. 10402, 17 F.R. 9917; 3 CFR, 1952 Supp.)

Subpart 35.40—Marking of Fire and Emergency Equipment

Section 35.40-40 is amended to read as follows:

§ 35.40-40 Vessel's name on equipment—TB/ALL.

(a) The equipment of all tank vessels, such as fire hose, fire axes, lifeboats, life rafts, life preservers and buoyant apparatus, shall be painted or branded with the name of the vessel upon which they are used, except that inflatable life rafts shall be marked in accordance with § 33.25-10.

(R.S. 4405, as amended, 4417a, as amended, 4462, as amended; 46 U.S.C. 375, 391a, 416. Interpret or apply sec. 3, 68 Stat. 675, 50 U.S.C. 198; E.O. 10402, 17 F.R. 9917; 3 CFR, 1952 Supp.)

PART 36—ELEVATED TEMPERATURE CARGOES

Subchapter D is amended by inserting a new Part 36, consisting of §§ 36.01-1 to 36.30-1, inclusive, reading as follows:

Subpart 36.01—General

Sec. 36.01-1 Scope of regulations—TB/ALL.
36.01-5 Certificate of inspection—TB/ALL.

Subpart 36.05—Cargo Tanks

36.05-1 Installation of cargo tanks—TB/ALL.
36.05-10 Protection of personnel—TB/ALL.

Subpart 36.10—Piping, Valves, Fittings, and Accessory Equipment

Sec. 36.10-1 Cargo pump relief valves—TB/ALL.

Subpart 36.20—Vents and Ventilation

36.20-1 Flame screens—TB/ALL.
36.20-5 Ventilation of pump room—TB/ALL.

Subpart 36.30—Periodic Inspections

36.30-1 Lagged tanks—TB/ALL.

AUTHORITY: §§ 36.01-1 to 36.30-1 issued under R.S. 4405, as amended, 4417a, as amended, 4462, as amended; 46 U.S.C. 375, 391a, 416. Interpret or apply R.S. 4488, as amended, sec. 3, 68 Stat. 675; 46 U.S.C. 481, 50 U.S.C. 198, E.O. 10402, 17 F.R. 9917, 3 CFR, 1952 Supp.

Subpart 36.01—General

§ 36.01-1 Scope of regulations—TB/ALL.

(a) The regulations in this part contain requirements for the transportation in bulk of materials considered to be Grade E liquids when shipped in molten form at elevated temperatures.

(b) The materials covered by this part shall meet the applicable regulations of this subchapter, except that materials having a flash point of 300° F. or above, shall be exempt from the requirements prescribed in the following sections of this subchapter:

(1) Inspection prior to making repairs—§ 35.01-1(b).

(2) Watchman for a tank vessel—§ 35.05-15.

(3) Warning sign at gangway—§ 35.30-1(b).

(4) Cargo tank hatches, ullage holes and butterworth plates—§ 35.30-10.

(5) Men on duty—§ 35.35-1.

(6) Inspection prior to transfer of cargo—§ 35.35-20.

(7) Approval to start transfer of cargo—§ 35.35-25.

(8) "Declaration of inspection" for tank ships—§ 35.35-30.

(9) Transportation of other cargo or stores on tank barges—§ 35.35-60.

(c) The regulations governing the transportation in the solid state of materials referred to in § 36.01-1(a) are contained in Part 146 of Subchapter N (Explosives or other Dangerous Articles on Board Vessels) of this chapter.

§ 36.01-5 Certificate of inspection—TB/ALL.

(a) The certificate of inspection shall be endorsed for the carriage of elevated temperature cargoes as follows: "Inspected and approved for the carriage of Grade E combustible liquids when transported in molten form at elevated temperatures."

Subpart 36.05—Cargo Tanks

§ 36.05-1 Installation of cargo tanks—TB/ALL.

(a) All cargo tanks carrying liquids at elevated temperatures for the purpose of maintaining the material in the molten form shall be installed with the access openings located above the weather deck.

§ 36.05-10 Protection of personnel—TB/ALL.

(a) Decks, bulkheads, or other structure shall be insulated with an approved incombustible material, or other suitable means of protection shall be employed where practicable and necessary for the protection of personnel.

Subpart 36.10—Piping, Valves, Fittings, and Accessory Equipment**§ 36.10-1 Cargo pump relief valves—TB/ALL.**

(a) Cargo pump relief valves and pressure gages may be omitted, however a suitable device shall be fitted to stop the pumping before the designed pressure of the piping is exceeded.

Subpart 36.20—Vents and Ventilation**§ 36.20-1 Flame screens—TB/ALL.**

(a) Flame screens may be omitted in the vent lines on cargo tanks.

§ 36.20-5 Ventilation of pump room—TB/ALL.

(a) Where personnel are required to enter pump rooms located below the weather deck under normal circumstances of handling cargo, such pump rooms shall be equipped with power ventilation.

Subpart 36.30—Periodic Inspections**§ 36.30-1 Lagged tanks—TB/ALL.**

(a) Lagged tanks shall have part of the lagging removed on the lower portion of the cargo tanks as directed by the marine inspector, at least once every eight years for external examination.

PART 38—LIQUEFIED INFLAMMABLE GASES**Subpart 38.05—Design and Installation of Cargo Tanks**

1. Section 38.05-10 is amended by revising paragraphs (b) and (d) to read as follows:

§ 38.05-10 Installation of cargo tanks—TB/ALL.

(b) (1) Tanks may be located in dry cargo holds or in other cargo tanks. When tanks are located in dry cargo holds other than cargo tanks, such dry cargo holds shall meet the requirements for cofferdams as prescribed in §§ 32.60-10 and 32.65-15 of this subchapter. When tanks are located in other cargo tanks, such cargo tanks may be used simultaneously or separately for the carriage of inflammable or combustible liquids up to and including the grade for which the tanks are otherwise certificated, in accordance with the requirements of this subchapter.

(2) The tanks may be installed "on deck" or "under deck" with the tanks protruding above deck. Where tanks are installed in dry cargo holds and a portion of the tank extends above the weather deck, provision shall be made to maintain the weather tightness of the deck, except that vessels operating un-

der an assigned loadline for restricted routes or on protected inland waters may have tanks located in the holds of the hopper type barges without the weather tightness of the deck being maintained. Where tanks are installed in another cargo tank and a portion of the tank extends above the weather deck, the penetrations shall be made gastight and watertight and shall be such as to provide full compliance with the structural requirements, including testing, for the hull and integral tanks. In the application of the requirements for the hydrostatic test of the cargo tanks, the hydrostatic test shall in no case be less severe than the worst anticipated service condition of the cargo loading. In the design and testing of the independent cargo tanks and integral cargo tanks, consideration shall be given to the possibility of the independent tanks being subjected to external loads.

(d) Tanks shall be supported in steel saddles and securely anchored in place to preclude the cargo tanks from becoming damaged or shifting as a result of collision, or when subjected to external loads in the case of tanks installed in other cargo tanks. Each tank shall be so supported as to prevent the concentration of excessive loads on the supporting portion of the shell or head. The design shall show the manner in which the tanks are to be installed, supported and secured in the barge or vessel, and shall be approved prior to installation.

(R.S. 4405, as amended, 4417a, as amended 4462, as amended; 46 U.S.C. 375, 391a, 416. Interpret or apply sec. 3, 68 Stat. 675, 50 U.S.C. 198; E.O. 10402, 17 F.R. 9917; 3 CFR, 1952 Supp.)

Subpart 38.10—Piping, Valves, Fittings and Accessory Equipment

2. Section 38.10-1(a) is amended to read as follows:

§ 38.10-1 Valves, fittings and accessories—TB/ALL.

(a) All valves, flanges, fittings, and accessory equipment shall be of a type suitable for use with liquefied petroleum gases, and shall be made of steel, Grade A malleable iron or nodular iron conforming to the requirements of Part 51 of Subchapter F (Marine Engineering) of this chapter. All fittings shall be of not less than 300-pound standard provided that in refrigerated tank systems designed for pressures less than 150 p.s.i., 150-pound standard may be permitted. Welded fittings shall be used wherever possible and the number of pipe joints shall be held to a minimum. Screwed joints in the cargo liquid and vapor lines are prohibited. Unless otherwise indicated herein, the pressure rating of valves, fittings, and accessories shall be not less than the maximum pressure for which the tank is designed.

(R.S. 4405, as amended, 4417a, as amended, 4462, as amended; 46 U.S.C. 375, 391a, 416. Interpret or apply sec. 3, 68 Stat. 675, 50 U.S.C. 198; E.O. 10402, 17 F.R. 9917; 3 CFR, 1952 Supp.)

PART 39—INFLAMMABLE OR COMBUSTIBLE LIQUIDS HAVING LETHAL CHARACTERISTICS**Subpart 39.10—Piping, Valves, Fittings, and Accessory Equipment**

Section 39.10-1(a) is amended to read as follows:

§ 39.10-1 Valves and accessories—TB/ALL.

(a) All shut off valves and accessory equipment shall be of types suitable for use with the cargo to be carried. Gray iron castings shall not be employed in the construction of valves, fittings or flanges located outside the cargo tanks.

(R.S. 4405, as amended, 4417a, as amended, 4462, as amended; 46 U.S.C. 375, 391a, 416. Interpret or apply sec. 3, 68 Stat. 675, 50 U.S.C. 198; E.O. 10402, 17 F.R. 9917; 3 CFR, 1952 Supp.)

SUBCHAPTER F—MARINE ENGINEERING**PART 55—PIPING SYSTEMS AND APPURTENANCES****Subpart 55.07—Detail Requirements**

1. Section 55.07-1(h)(1) is amended to read as follows:

§ 55.07-1 Materials.

(h) (1) Except as otherwise provided for in this paragraph, plastic pipe may be used for fresh and salt water supply to non-vital machinery and to all machinery fitted with a duplicate standby unit, and for other piping systems as may be authorized by the Commandant. Plastic pipe may be used in lines which lead through watertight decks or bulkheads provided a spool piece and shut-off valve constructed of a material comparable to the material of the deck or bulkhead are fitted in the line. Plastic pipe shall not be used in any overboard discharge line outboard of the required overboard discharge valves.

2. Section 55.07-15(f) is amended by revising the context of Figure 55.07-15(f5) in subparagraph (5) to read as follows:

§ 55.07-15 Joints and flange connections.

(f) * * *
(5) Figure 55.07-15(f5) Flanges machined from steel plate meeting the requirements of Subpart 51.22 may be used for Class II piping for pressures not exceeding 150 pounds per square inch and temperatures not exceeding 450° F. The machined flanges shall conform at least to the American Standard 150 pound flange dimensions.

(R.S. 4405, as amended, 4462, as amended, 46 U.S.C. 375, 416. Interpret or apply R.S. 4399, as amended, 4417, as amended, 4417a, as amended, 4418, as amended, 4421, as amended, 4426-4431, as amended, 4433, as amended, 4434, as amended, 4453, as amended, 4488, as amended, 4491, as amended, sec. 14, 29 Stat. 690, as amended, 41 Stat. 305, as amended, 49 Stat. 1544, as amended, secs. 3, 17, 54 Stat. 347, as amended, 166, as amended, sec. 3, 68 Stat. 675; 46 U.S.C. 361, 362, 391, 391a, 392, 399, 404-409, 411, 412,

435, 481, 489, 366, 363, 367, 526p, 1333, 50 U.S.C. 198; E.O. 10402, 17 F.R. 9917, 3 CFR 1952 Supp.)

Subpart 55.10—Pumping Arrangements and Piping Systems

3. Section 55.10-1(e) is amended to read as follows:

§ 55.10-1 Steam and exhaust piping.

(e) Steam and exhaust pipes shall not be led through coal bunkers or dry cargo spaces unless approved by the Commandant.

(R.S. 4405, as amended, 4462, as amended, 46 U.S.C. 375, 416. Interpret or apply R.S. 4399, as amended, 4417, as amended, 4417a, as amended, 4418, as amended, 4421, as amended, 4426-4431, as amended, 4433, as amended, 4434, as amended, 4453, as amended, 4488, as amended, 4491, as amended, sec. 14, 29 Stat. 690, as amended, 41 Stat. 305, as amended, 49 Stat. 1544, as amended, secs. 3, 17, 54 Stat. 347, as amended, 166, as amended, sec. 3, 68 Stat. 675; 46 U.S.C. 361, 362, 391, 391a, 392, 399, 404-409, 411, 412, 435, 481, 489, 366, 363, 367, 526p, 1333, 50 U.S.C. 198; E.O. 10402, 17 F.R. 9917, 3 CFR 1952 Supp.)

4. Section 55.10-50(e) is amended to read as follows:

§ 55.10-50 Diesel fuel systems.

(e) *Outlets and drains.* Valves for removing water or impurities from fuel oil systems will be permitted in the machinery space provided such valves are fitted with caps or plugs to prevent leakage.

5. Section 55.10-60(e) is amended to read as follows:

§ 55.10-60 Vent piping.

(e) Vents from fuel oil and other tanks extending above the freeboard or superstructure deck shall be of substantial construction. The height from the deck to the opening at the inside of the return bend shall be at least 36 inches in wells on freeboard decks, 30 inches on raised quarter-decks and 18 inches on other superstructure decks, except on Great Lakes vessels where the height from the deck to the opening shall be, when practical, at least 30 inches in wells on freeboard decks, 24 inches on raised quarter-decks, and 12 inches on other superstructure decks. Where height of vent pipes on Great Lakes vessels may interfere with the working of the vessel a lower height may be approved provided the vent cap is properly protected. Satisfactory means are to be provided for closing the openings of the vents.

(R.S. 4405, as amended, 4462, as amended, 46 U.S.C. 375, 416. Interpret or apply R.S. 4399, as amended, 4417, as amended, 4417a, as amended, 4418, as amended, 4421, as amended, 4426-4431, as amended, 4433, as amended, 4434, as amended, 4453, as amended, 4488, as amended, 4491, as amended, sec. 14, 29 Stat. 690, as amended, 41 Stat. 305, as amended, 49 Stat. 1544, as amended, secs. 3, 17, 54 Stat. 347, as amended, 166, as amended, sec. 3, 68 Stat. 675; 46 U.S.C. 361, 362, 391, 391a, 392, 399, 404-409, 411, 412, 435, 481, 489, 366, 363, 367, 526p, 1333, 50 U.S.C. 198; E.O. 10402, 17 F.R. 9917, 3 CFR 1952 Supp.)

6. Part 55 is amended by adding a new Subpart 55.17 reading as follows:

Subpart 55.17—Hydraulic Systems

Sec.	
55.17-1	Scope.
55.17-10	Design requirements.
55.17-15	Hydraulic fluid.
55.17-20	Tubing and pipes.
55.17-25	Hydraulic hose and fittings.
55.17-30	Accumulators.
55.17-35	Hydraulic cylinders.
55.17-40	Tests.

AUTHORITY: §§ 55.17-1 to 55.17-40 issued under R.S. 4405, as amended, 4462, as amended, 46 U.S.C. 375, 416. Interpret or apply R.S. 4399, as amended, 4417, as amended, 4417a, as amended, 4418, as amended, 4421, as amended, 4426-4431, as amended, 4433, as amended, 4434, as amended, 4453, as amended, 4488, as amended, 4491, as amended, sec. 14, 29 Stat. 690, as amended, 41 Stat. 305, as amended, 49 Stat. 1544, as amended, secs. 3, 17, 54 Stat. 347, as amended, 166, as amended, sec. 3, 68 Stat. 675; 46 U.S.C. 361, 362, 391, 391a, 392, 399, 404-409, 411, 412, 435, 481, 489, 366, 363, 367, 526p, 1333, 50 U.S.C. 198; E.O. 10402, 17 F.R. 9917, 3 CFR 1952 Supp.

§ 55.17-1 Scope.

(a) This part contains requirements for hydraulic power transmission systems and appurtenances.

(b) Hydraulic machinery may be accepted for installation on vessels subject to inspection provided the design material and fabrication comply with the applicable requirements of the American Bureau of Shipping or other recognized classification society.

§ 55.17-10 Design requirements.

(a) The pressure vessels, tubing, pipes and fittings shall be designed for the maximum operating pressure or not less than the relief valve setting.

(b) The system shall be so designed that proper functioning of any unit shall not be affected by the back pressure in the system. The design shall be such that malfunctioning of any unit in the system will not render any other connected or emergency system inoperative because of back pressure.

§ 55.17-15 Hydraulic fluid.

(a) The fluid used in hydraulic power transmission systems shall have a flash point of not less than 200° F. for pressures below 150 pounds per square inch and 315° F. for pressures 150 pounds per square inch and above, as determined by ASTM Designation D-92-57, Cleveland "Open Cup" test method.

(b) The chemical and physical properties of the hydraulic fluid shall be suitable for use with any materials in the system or components thereof.

(c) The hydraulic fluid shall be suitable for operation of the hydraulic system through the entire temperature range to which it may be subjected in service.

§ 55.17-20 Tubing and pipes.

(a) Materials used in the manufacture of pressure vessels, tubing, pipe, flanges, fittings or bolting shall conform to the requirements of Subpart 51 subject to the limitations shown in Tables 52.01-10(a), 55.07-1(b) and 55.07-5(a). SAE designated materials shall be evalu-

ated on the basis of chemical and physical properties.

(b) Design pressures and thicknesses shall be calculated as required by § 55.07-5(a)(1), except that the allowance for threading, grooving and/or corrosion may be omitted when flared or flareless type tube fittings are used.

(c) All tubing and pipe materials shall be suitable for handling the hydraulic fluid used and shall be of such chemical and physical properties as to remain ductile at the lowest operating temperature.

§ 55.17-25 Hydraulic hose and fittings.

(a) Hose and fittings shall meet the requirements of § 55.07-1. Hose shall be complete with factory-assembled and fittings requiring no further adjustment of the fittings on the hose, except that reusable type fittings may be used provided they are of the nipple and socket type in which the hose is securely attached to the fitting by compression of the hose.

(b) Hose assemblies may be installed between two points of relative motion but shall not be subjected to torsional deflection (twisting) under any conditions of operation and shall be limited to short lengths as required for flexibility.

(c) Hose assemblies shall be designed for a bursting pressure of not less than four times the maximum allowable pressure.

(d) Sharp bends in hose shall be avoided.

§ 55.17-30 Accumulators.

(a) An accumulator is an unfired pressure vessel in which energy is stored under high pressure in the form of a gas or a gas and hydraulic fluid. Accumulators shall be constructed under the provisions of Part 54 of this subchapter.

(b) If the accumulator is of the gas and fluid type, suitable separators shall be provided between the two media, if their mixture would be dangerous, or would result in contamination of the hydraulic fluid and loss of gas through absorption.

(c) Each accumulator which may be isolated, shall be protected on the gas and fluid sides by relief valves, set to relieve at pressures not exceeding the design pressures. When an accumulator forms an integral part of systems having relief valves, the accumulator need not have individual relief valves.

§ 55.17-35 Hydraulic cylinders.

(a) Hydraulic cylinders consisting of a container and a movable piston with a rod extending through the containment vessel are considered to be auxiliary machinery coming within the scope of Part 57 of this subchapter.

(b) Hydraulic cylinders shall be designed for a bursting pressure of not less than 4 times the maximum allowable pressure and shall meet the applicable standards established by the American Bureau of Shipping or other recognized classification society.

§ 55.17-40 Tests.

(a) Hydraulic systems and components thereof shall be tested, marked and

retested as required by Part 61 of this subchapter.

(b) Hydraulic systems shall be purged with an inert gas or with the working fluid and all trapped air bled from the system prior to any shipboard testing. In no case shall air, oxygen, any flammable gas, or any flammable mixture of gases be used for testing.

SUBCHAPTER H—PASSENGER VESSELS

PART 71—INSPECTION AND CERTIFICATION

Subpart 71.25—Annual Inspection

Section 71.25-15(a) is amended by revising subparagraph (6) and by adding a new subparagraph (7), reading as follows:

§ 71.25-15 Lifesaving equipment.

(a) * * *

(6) Inflatable life rafts shall be serviced at an approved servicing facility in accordance with Subpart 160.051 of Subchapter Q (Specifications) of this chapter. Inflatable life rafts shall be serviced at an approved servicing facility every 12 months or not later than the next vessel inspection for certification provided the total time since date of last servicing does not exceed 15 months. The period for servicing is computed from date of last servicing. Except in emergencies no servicing should be done aboard vessels. If at any time external damage is found to the container or straps or if the seal is broken, the Officer in Charge, Marine Inspection, shall be notified and the raft shall be serviced by an approved servicing facility.

NOTE: After the raft has been satisfactorily serviced in the presence of a marine inspector at an approved servicing facility, the raft is repacked and sealed and the carrying case stamped "PASSED" together with the date, port, and the inspector's initials.

(7) All other items of lifesaving equipment shall be examined to determine that they are in suitable condition.

(R.S. 4405, as amended, 4462, as amended; 46 U.S.C. 375, 416. Interpret or apply R.S. 4399, as amended, 4400, as amended, 4417, as amended, 4418, as amended, 4421, as amended, 4423, as amended, 4426, as amended, 4428-4430, as amended, 4433, as amended, 4434, as amended, 4453, as amended, R.S. 4488, as amended, sec. 14, 29 Stat. 690, as amended, secs. 10, 11, 35 Stat. 428, 41 Stat. 305, secs. 1, 2, 49 Stat. 1544, as amended, 49 Stat. 1935, as amended, sec. 3, 54 Stat. 347, as amended, sec. 3, 70 Stat. 152, sec. 3, 68 Stat. 675; 46 U.S.C. 361, 362, 391, 392, 399, 400, 404, 406-408, 411, 412, 435, 481, 366, 395, 396, 363, 367, 660a, 1333, 390b, 50 U.S.C. 198; E.O. 10402, 17 F.R. 9917; 3 CFR, 1952 Supp.)

PART 75—LIFESAVING EQUIPMENT

Subpart 75.05—General Provisions Pertaining to Lifesaving Equipment

1. Subpart 75.05 is amended by adding at end thereof a new section reading as follows:

§ 75.05-10 Primary lifesaving equipment.

(a) The term "primary lifesaving equipment" means a lifeboat or an ac-

ceptable substitute. Life preservers and ring life buoys are not included in this definition of "primary lifesaving equipment."

(R.S. 4405, as amended, 4462, as amended; 46 U.S.C. 375, 416. Interpret or apply R.S. 4417, as amended, 4418, as amended, 4426, as amended, 4488, as amended, 4491, as amended, secs. 1, 2, 49 Stat. 1544, as amended, sec. 17, 54 Stat. 166, as amended, sec. 3, 54 Stat. 347, as amended, sec. 3, 70 Stat. 152, sec. 3, 68 Stat. 675; 46 U.S.C. 391, 392, 404, 481, 489, 367, 526p, 1333, 390b, 50 U.S.C. 198; E.O. 10402, 17 F.R. 9917; 3 CFR, 1952 Supp.)

Subpart 75.10—Lifeboats, Life Rafts, Life Floats, and Buoyant Apparatus

2. Section 75.10-1 is amended to read as follows:

§ 75.10-1 Application.

(a) Except as otherwise provided in this section, the provisions of this subpart shall apply to all vessels contracted for on or after November 19, 1952.

(1) The provisions of § 75.10-5(a) (5) (i) shall apply to all Great Lakes vessels contracted for on or after January 1, 1961.

(2) On and after January 1, 1961, the requirements concerning disengaging apparatus in § 75.10-90(a) (2) shall apply to all Great Lakes vessels contracted for prior to January 1, 1961.

(b) Vessels contracted for prior to November 19, 1952, shall meet the requirements of § 75.10-90.

3. Section 75.10-5 is amended by revising paragraph (a) (5) (i) and paragraph (b) and by adding a new paragraph (e), reading as follows:

§ 75.10-5 Type of lifeboats, life rafts, life floats, and buoyant apparatus required.

(a) Lifeboats. * * *

(5) * * *

(i) All lifeboats installed on ocean, coastwise, or Great Lakes vessels of over 3,000 gross tons shall be fitted with mechanical disengaging apparatus so arranged as to make it possible for the lifeboats to be launched with their full complement of persons and equipment while such vessels are underway or stopped, and for both ends of the lifeboat to be released simultaneously, under tension or not, by one person. Simultaneous release shall be effected by partially rotating a shaft which shall be continuous and extend from points of contact with the hooks.

(b) Life rafts. (1) All rigid type life rafts shall be of an approved type, constructed in accordance with Subpart 160.018 of Subchapter Q (Specifications) of this chapter.

(2) Type A life rafts shall be stowed on the standard life raft skids required by § 75.15-10(c) (1) unless specifically noted otherwise.

(3) All inflatable life rafts shall be of an approved type constructed and serviced in accordance with Subpart 160.051 of Subchapter Q (Specifications) of this chapter.

(e) Rescue boat. (1) In general, a suitable rescue boat shall be a small light weight boat of rigid construction, with

built-in buoyancy and capable of being readily launched and easily maneuvered. Also it shall be of adequate proportion to permit taking an unconscious person on board without capsizing. A rescue boat and its installation shall be acceptable to the Officer in Charge, Marine Inspection, as suitable for the rescue of persons accidentally falling over the side, or for similar emergency purposes. The size, shape, installation, and other factors of suitability will be determined with due consideration of the size, arrangement, intended service and crew requirements of the vessel on which it is to be installed.

4. Section 75.10-10 is amended by adding new paragraphs (a) (6) and (b) (2), reading as follows:

§ 75.10-10 Requirements for vessels in ocean service.

(a) Lifeboats. * * *

(6) Inflatable life rafts may be substituted for lifeboats on certain vessels in accordance with § 75.10-25.

(b) Life rafts, life floats, and buoyant apparatus. * * *

(2) Inflatable life rafts may be substituted for life rafts, life floats and buoyant apparatus on certain vessels in accordance with § 75.10-25.

5. Section 75.10-15 is amended by adding a new paragraph (c) reading as follows:

§ 75.10-15 Requirements for vessels in coastwise service.

(c) Inflatable life rafts may be substituted for lifeboats, life rafts, life floats and buoyant apparatus on certain vessels in accordance with § 75.10-25.

6. Section 75.10-20, including Table 75.10-20(a), is amended to read as follows:

§ 75.10-20 Requirements for vessels in Great Lakes; lakes, bays and sounds; or river service.

(a) General. All vessels other than ferryboats and passenger barges shall be provided with lifeboats, life rafts, and life floats as required by Table 75.10-20(a), except as specifically noted in this paragraph.

(1) Motor vessels of less than 50 gross tons, navigating in daylight only, need not be fitted with lifeboats, life rafts, or life floats, provided:

(i) Such vessels are fitted with sufficient air tanks under the decks that the vessel, in its loaded condition, will remain afloat when full of water; or

(ii) Such vessels are fitted with sufficient bulkheads that the vessel, in its loaded condition, will remain afloat with any two compartments damaged.

(2) In the case of a motor vessel in Great Lakes service of less than 300 gross tons, if in the opinion of the Commandant it is unreasonable or impracticable to install the lifeboats, life rafts, or other equipment required by Table 75.10-20(a) due to the size and arrangement of the vessel and its intended service, the Commandant may prescribe the size, capacity, and number of lifeboats or other boats of suitable design and construc-

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tion, life rafts, and/or life floats to be carried as in his opinion is reasonable and practicable. In any case, there shall be at least one lifeboat or other suitable boat, and there shall be sufficient total capacity for the percentage of all persons on board required to be accommodated by Table 75.10-20(a).

(3) In the case of vessels of less than 300 gross tons in lakes, bays, sounds, or river service, if in the opinion of the Commandant it is unreasonable or im-

practicable to install the lifeboats, life rafts, or other equipment required by Table 75.10-20(a) due to the size and arrangement of the vessel and its intended service, the Commandant may prescribe the size, capacity, and number of lifeboats or other boats of suitable design and construction, life rafts, and/or life floats to be carried as in his opinion is reasonable and practicable. In any case there shall be at least one lifeboat or other suitable boat, and there

shall be sufficient total capacity for the percentage of all persons on board required to be accommodated by Table 75.10-20(a).

(4) Inflatable life rafts may be substituted for lifeboats, life rafts, life floats and buoyant apparatus on certain vessels in accordance with § 75.10-25.

(b) *Ferryboats.* (1) All ferryboats of 50 gross tons and over shall be equipped with lifeboats and life rafts in accordance with Table 75.10-20(b) (1).

TABLE 75.10-20(a)

	Vessels operating on the Great Lakes				Vessels operating on lakes, bays, and sounds										Vessels operating on rivers	
	Vessels navigating more than 3 miles off shore and where the depth of water on any part of the route is sufficient to submerge the upper deck of the vessel		1. Vessels navigating not more than 3 miles offshore; or 2. Vessels navigating routes where the water is not of a depth on any part of the route to submerge the upper deck of the vessel		Vessels navigating waters other than those tributary to the Pacific Coast of the continental United States, the Atlantic Coast south of the thirty-third parallel of north latitude, and the Gulf of Mexico						Vessels navigating waters tributary to the Pacific Coast of the continental United States, the Atlantic Coast south of the thirty-third parallel of north latitude, and the Gulf of Mexico				Vessels navigating where the average depth of the channel exceeds 3 feet	Vessels navigating where the average depth of the channel does not exceed 3 feet
					Vessels navigating routes, any point of which is more than 3 miles from land, and—				Vessels navigating routes lying at all points within a distance of 3 miles from land		Vessels navigating routes, any point of which is more than 3 miles from land, and—		Vessels navigating routes lying at all points within a distance of 3 miles from land			
					1. Depth of water is sufficient to entirely submerge the vessel in case of disaster		2. Depth of water is not sufficient to entirely submerge the vessel in case of disaster									
Dates (inclusive)	Winter Sept. 16 to May 14	Summer May 15 to Sept. 15	Winter Sept. 16 to May 14	Summer May 15 to Sept. 15	Winter Oct. 16 to May 14	Summer May 15 to Oct. 15	Winter Nov. 16 to Apr. 14	Summer Apr. 15 to Nov. 15	Winter Nov. 16 to Apr. 14	Summer Apr. 15 to Nov. 15	All year	All year	All year	All year	All year	
Percentage of persons (passengers and crew) to be accommodated.	Percent 100	Percent 50	Percent 100	Percent 10	Percent 100	Percent 30	Percent 100	Percent 10	Percent 100	Percent 10	Percent 30	Percent 10	Percent 10	Percent 10	Percent 10	Percent None
Percentage of required equipment in lifeboats (minimum)	3 75	3 40	3 25	3 25	3 25	3 25	3 25	3 25	3 25	3 25	3 25	3 25	3 25	3 25	3 25	4 None
Percentage of required equipment which may be in Type A or Type B life rafts	3 25	3 60	3 75	3 75	3 75	3 75	3 75	3 75	3 75	3 75	3 75	3 75	3 75	3 75	3 75	None

¹ Vessels equipped with radiotelegraph or radiotelephone operating in daylight only and when routes are at all times within a distance of 10 miles from land may, during the interval between the 16th day of October to the 31st day of October, both dates inclusive, carry primary lifesaving equipment to accommodate not less than 30 percent of all persons on board.

² Vessels equipped with radiotelegraph or radiotelephone operating in daylight only and whose routes are at all times within a distance of 10 miles from land may, during the interval between the 15th day of May to the 15th day of October, both dates inclusive, carry primary lifesaving equipment to accommodate not less than 15 percent of all persons on board.

³ Vessels of 200 gross tons and upward shall have 1 working boat with life line attached, properly supplied with oars and painter, and kept in good condition at all times and ready for immediate use, in addition to the lifeboats required.

⁴ Vessels of 50 gross tons and upward in river service shall have 1 working boat with life line attached, properly supplied with oars and painter, and kept in good

condition at all times and ready for immediate use, in addition to any lifeboats required.

⁵ At least 50 percent of the life rafts shall have a capacity of more than 15 persons each.

⁶ Vessels shall have, in addition to all other lifeboats and life rafts required: 1 additional fully equipped Type A or Type B life raft which shall be stowed (not necessarily on skids) in such a manner that it will float clear in the event of sinking of the vessel. On all vessels of 300 gross tons and over the life raft shall be not less than 15-person capacity.

⁷ Approved life floats may be substituted for life rafts on vessels during the interval between May 15 and September 15 in any 1 year, both dates inclusive.

⁸ Approved life floats may be substituted for life rafts on vessels operated south of the thirty-third parallel of north latitude, and on vessels operated north of the thirty-third parallel of north latitude during the interval between the 15th day of May to the 15th day of October, in any 1 year, both dates inclusive.

⁹ Approved life floats may be substituted for life rafts.

(2) Ferryboats of less than 50 gross tons shall be equipped with lifeboats or Type A or B life rafts as in the opinion of the Officer in Charge, Marine Inspection, having jurisdiction may be necessary in case of disaster to secure the safety of all persons on board.

(3) Inflatable life rafts may be substituted for lifeboats, life rafts, life floats and buoyant apparatus on certain vessels in accordance with § 75.10-25.

(c) *Passenger barges.* (1) Passenger barges shall be provided with lifeboats or other boats of suitable design and construction of a capacity in the same proportion to the number of persons carried as is required by Table 75.10-20(a). (2) Passenger barges engaged in excursions shall be provided with 2 lifeboats or

other boats of suitable design and construction of not less than 60 cubic feet capacity each.

TABLE 75.10-20(b) (1)

Size of ferryboat in gross tons		Cubic feet of lifeboatage required ¹
Over	Not over	
150	300	60
300	600	120
600	-----	240
		360

¹ For purposes of determining lifeboat capacity in persons for use in substituting inflatable life rafts in accordance with substitutions permitted by § 75.10-25, allow 10 cubic feet of lifeboatage per person.

² One-half of the required lifeboatage may be supplied by life rafts of Type A or B.

(3) Inflatable life rafts may be substituted for lifeboats, life rafts, life floats and buoyant apparatus on certain vessels in accordance with § 75.10-25.

7. Subpart 75.10 is amended by inserting after § 75.10-20 a new § 75.10-25, reading as follows:

§ 75.10-25 Inflatable life rafts as an alternate for lifeboats, other life rafts, life floats and buoyant apparatus on certain vessels.

(a) (1) On all vessels except those required to meet the standards of the International Convention for Safety of Life at Sea, 1948, inflatable life rafts may be permitted as substitutes for other types of life rafts, life floats and buoy-

ant apparatus wherever they may be required.

(2) The capacity of inflatable life rafts carried in place of other life rafts, life floats, and buoyant apparatus shall be at least equivalent to that required of the equipment for which substitution is made.

(3) The substitution of inflatable life rafts shall not be made without prior approval of the Officer in Charge, Marine Inspection.

(b) On all vessels less than 3,000 gross tons, except those required to meet the standards of the International Convention for Safety of Life at Sea, 1948, the substitution of inflatable life rafts for lifeboats may be permitted as follows:

(1) (i) On all vessels under 500 gross tons, inflatable life rafts may be substituted for all required lifeboats.

(ii) The total capacity of the inflatable life rafts shall be at least equal to the total number of persons that the lifeboats would have been required to accommodate. Partial substitution is permissible provided the aggregate lifeboat and inflatable life raft capacity is sufficient to accommodate the required number of persons, as indicated above.

(iii) Where substitution of inflatable life rafts is made, a suitable rescue boat shall be provided. In the case of partial substitution, a lifeboat may serve as the rescue boat.

(iv) In the exceptional case on a vessel under 100 gross tons the rescue boat may be omitted when it can be shown to the satisfaction of the Commandant that it is not necessary due to the size, arrangement and maneuverability of the vessel, and its intended service.

(2) (i) On all vessels of 500 gross tons and upwards to 1,600 gross tons, inflatable life rafts may be substituted for all required lifeboats provided two approved lifeboats of a size acceptable to the Officer in Charge, Marine Inspection, suitable for rescue purposes, one on each side, are installed.

(ii) The aggregate lifeboats and inflatable life raft capacity shall be at least equal to the total number of persons that the lifeboats would have been required to accommodate.

(iii) The launching arrangement and location of the two lifeboats to be used as rescue boats shall be such that they can be readily launched and shall be to the satisfaction of the Officer in Charge, Marine Inspection.

(3) (i) On all vessels of 1,600 gross tons and upwards to 3,000 gross tons, inflatable life rafts may be substituted for all except two of the required lifeboats. These lifeboats shall be of a size acceptable to the Officer in Charge, Marine Inspection, and shall be suitable for rescue purposes. In all cases, two approved lifeboats, one on each side, shall be provided.

(ii) The aggregate lifeboat and inflatable life raft capacity shall be at least equal to the total number of persons that the lifeboats, for which substitutions are made plus those remaining on

board, would have been required to accommodate.

(4) The substitution of inflatable life rafts for lifeboats shall not be made without prior approval of the Officer in Charge, Marine Inspection.

(c) The Commandant may give special consideration to the substitution of approved inflatable life rafts for required lifeboats on vessels of 3,000 gross tons and over, except those vessels required to meet the standards of the International Convention for Safety of Life at Sea, 1948.

8. Section 75.10-90(a) (2) is amended to read as follows:

§ 75.10-90 Vessels contracted for prior to November 19, 1952.

(a) * * *

(2) On vessels of over 3,000 gross tons in ocean, coastwise, or Great Lakes service, all replacements of disengaging apparatus shall meet the requirements of § 75.10-5(a) (5) (i). On all other vessels in any service, all of the lifeboats on a particular vessel shall be fitted with the same type of disengaging apparatus.

(R.S. 4405, as amended, 4462, as amended; 46 U.S.C. 375, 416. Interpret or apply R.S. 4417, as amended, 4418, as amended, 4426, as amended, 4488, as amended, 4491, as amended, secs. 1, 2, 49 Stat. 1544, as amended, sec. 17, 54 Stat. 166, as amended, sec. 3, 54 Stat. 347, as amended, sec. 3, 70 Stat. 152, sec. 3, 68 Stat. 675; 46 U.S.C. 391, 392, 404, 481, 489, 367, 526p, 1333, 390b, 50 U.S.C. 198; E.O. 10402, 17 F.R. 9917; 3 CFR, 1952 Supp.)

Subpart 75.15—Stowage and Marking of Lifeboats, Life Rafts, Life Floats, and Buoyant Apparatus

9. Section 75.15-10(c) is amended by adding a new subparagraph (4) reading as follows:

§ 75.15-10 Stowage.

* * * * *

(4) Inflatable life rafts shall be stowed in such a manner that they will float free in the event of the vessel sinking. Stowage and launching arrangements will be to the satisfaction of the Officer in Charge, Marine Inspection.

(R.S. 4405, as amended, 4462, as amended; 46 U.S.C. 375, 416. Interpret or apply R.S. 4417, as amended, 4418, as amended, 4426, as amended, 4488, as amended, 4491, as amended, secs. 1, 2, 49 Stat. 1544, as amended, sec. 17, 54 Stat. 166, as amended, sec. 3, 54 Stat. 347, as amended, sec. 3, 70 Stat. 152, sec. 3, 68 Stat. 675; 46 U.S.C. 391, 392, 404, 481, 489, 367, 526p, 1333, 390b, 50 U.S.C. 198; E.O. 10402, 17 F.R. 9917; 3 CFR, 1952 Supp.)

Subpart 75.20—Equipment for Lifeboats, Life Rafts, Life Floats, and Buoyant Apparatus

10. Section 75.20-10(a) is amended by revising Table 75.20-10(a) to read as follows:

§ 75.20-10 Required equipment for lifeboats.

(a) * * *

TABLE 75.20-10(a)

Letter identification	Item	Ocean and coastwise	Great Lakes	Lakes, bays, and sounds; and rivers
a	Bailer	1	1	None
b	Bilge pump	1	None	None
c	Boathooks	2	1	1
d	Bucket	2	1	1
e	Compass and mounting	1	None	None
f	Ditty bag	1	None	None
g	Drinking cups	1	None	None
h	Fire extinguishers (motor-propelled lifeboats only)	2	2	2
i	First aid kit	1	None	None
j	Flashlight	1	1	None
k	Hatchets	2	2	1
l	Heaving line	2	None	None
m	Jackknife	1	None	None
n	Ladder, lifeboat gunwale	2	None	None
o	Lantern	1	1	1
p	Life line	1	1	1
q	Life preservers	2	2	2
r	Locker	1	1	None
s	Mast and sail (oar-propelled lifeboats only)	1	None	None
t	Matches (boxes)	2	1	1
u	Milk, condensed (pounds per person)	1	None	None
v	Mirrors, signaling	2	None	None
w	Oars	3 1 unit	3 1 unit	3 1 unit
x	Oil, illuminating (quarts)	1	1	None
y	Oil, storm (gallons)	1	2	None
z	Painter	2	1	1
aa	Plugs	1	1	1
bb	Provisions (pounds per person)	2	None	None
cc	Radio installation	4 1	None	None
dd	Rowlocks	3 1 unit	3 1 unit	3 1 unit
ee	Rudder and tiller	1	1	None
ff	Sea anchor	1	1	None
gg	Searchlight	4 1	None	None
hh	Signals, distress, floating orange smoke	2	None	None
ii	Signals, distress, red hand flare	4 1 unit	3 1/2 unit	None
jj	Signals, distress, red parachute flare	3 1 unit	3 1 unit	None
kk	Tool kit (motor-propelled lifeboats only)	3 1 unit	3 1 unit	3 1 unit
ll	Water (quarts per person)	3	None	None

¹ Motor-propelled lifeboats, certified for 100 or more persons, shall be fitted with an additional hand bilge pump of an approved type or a power bilge pump.

² Not required on lifeboats of less than 60 persons capacity.

³ For description of units, see § 75.20-15.

⁴ Required only on motor-propelled lifeboats fitted with radio cabin, see § 75.10-5(a) (3).

⁵ Vessels in coastwise service need only carry 1 unit for each 5 lifeboats or fraction thereof.

11. Section 75.20-15(z) is amended to read as follows:

§ 75.20-15 Description of equipment for lifeboats.

(z) *Painter*. Painters shall be of manila rope not less than 3¼ inches in circumference, or equivalent, and of a length not less than 3 times the distance between the deck on which the lifeboat is stowed and the light draft of the vessel. For lifeboats on vessels in ocean, coastwise, or Great Lakes service one of the painters shall have a long eye splice and shall be attached to the thwart with a

toggle. The other painter shall be attached to the stem.

12. Section 75.20-15(11) (3) is deleted.

13. Section 75.20-20 is amended to read as follows:

§ 75.20-20 Required equipment for life rafts.

(a) The life rafts for all vessels shall be equipped in accordance with Table 75.20-20(a). For a description of the items contained in this table and the units comprising the items, see the applicable paragraphs of § 75.20-25. The letter identification prefixing the item in the table corresponds to the paragraph designation in § 75.20-25.

TABLE 75.20-20(a)

Letter identification	Item	Ocean and coastwise	Great Lakes	Lakes, bays, sounds, and rivers
a	Boathook	1	1	1
b	Drinking cups	1	None	None
c	Jackknife	1	None	None
d	Life line	1	1	1
e	Matches (boxes)	1	1	None
f	Mirrors, signaling	2	None	None
g	Oars	2 1 unit	2 1 unit	2 1 unit
h	Oil, storm (gallons)	1	1	None
i	Painter	1	1	1
j	Provisions (pounds per person)	2	None	None
k	Rowlocks	2 1 unit	2 1 unit	2 1 unit
l	Sea anchor	1	1	None
m	Signals, distress	2 1 unit	3 1 unit	None
n	Water (quarts per person)	1	None	None
o	Water light	1	1	None

¹ Not required on Type A life rafts.

² For description of units see § 75.20-25.

³ 1 unit here means 6 hand red flare distress signals and 6 parachute red flare distress signals with an approved means of projecting them.

(b) Inflatable life rafts shall be equipped for "ocean service," or "limited service" depending on the certificated route, in accordance with Subpart 160.051 of Part 160 of Subchapter Q (Specifications) of this chapter.

NOTE: Subpart 160.051 of Subchapter Q (Specifications) of this chapter requires the servicing of inflatable life rafts at approved servicing facilities. Included in the servicing at an approved servicing facility is a complete inspection of the required equipment by a marine inspector.

§ 75.20-25 [Amendment]

14. Section 75.20-25 *Description of equipment for life rafts* is amended by deleting subparagraph (n) (3).

(R.S. 4405, as amended, 4462, as amended; 46 U.S.C. 375, 416. Interpret or apply R.S. 4417, as amended, 4418, as amended, 4426, as amended, 4488, as amended, 4491, as amended, secs. 1, 2, 49 Stat. 1544, as amended, sec. 17, 54 Stat. 166, as amended, sec. 3, 54 Stat. 347, as amended, sec. 3, 70 Stat. 152, sec. 3, 68 Stat. 675; 46 U.S.C. 391, 392, 404, 481, 489, 367, 526p, 1333, 390b, 50 U.S.C. 198; E.O. 10402, 17 F.R. 9917; 3 CFR, 1952 Supp.)

Subpart 75.25—Davits

15. Section 75.25-5 is amended by adding a new paragraph (g) at the end thereof reading as follows:

§ 75.25-5 General.

(g) On a vessel on which inflatable life rafts have been substituted for lifeboats, a launching device for each lifeboat to be used for rescue purposes shall be installed. Radial type davits or other means may be used in sheltered waters

if acceptable to the Officer in Charge, Marine Inspection.

16. Section 75.25-15 is amended by adding a new paragraph (b) reading as follows:

§ 75.25-15 Requirements for vessels in Great Lakes; lakes, bays, and sounds; or river service.

(b) Davit installations on vessels in Great Lakes service shall have at least 2 life lines fitted to a davit span. The life lines shall be of such length as to reach the water at the lightest seagoing draft with the vessel listed 15 degrees either way.

(R.S. 4405, as amended, 4462, as amended; 46 U.S.C. 375, 416. Interpret or apply R.S. 4417, as amended, 4418, as amended, 4426, as amended, 4488, as amended, 4491, as amended, secs. 1, 2, 49 Stat. 1544, as amended, sec. 17, 54 Stat. 166, as amended, sec. 3, 54 Stat. 347, as amended, sec. 3, 70 Stat. 152, sec. 3, 68 Stat. 675; 46 U.S.C. 391, 392, 404, 481, 489, 367, 526p, 1333, 390b, 50 U.S.C. 198; E.O. 10402, 17 F.R. 9917; 3 CFR, 1952 Supp.)

Subpart 75.40—Life Preservers, and Wood Floats

17. Section 75.40-5(a) is amended to read as follows:

§ 75.40-5 General.

(a) (1) All life preservers shall be of an approved type, constructed in accordance with Subparts 160.002, 160.003, 160.004, 160.005, or 160.055 of Subchapter Q (Specifications) of this chapter.

(2) On or before July 1, 1963, all kapok and fibrous glass life preservers

which do not have plastic covered pad inserts as required by Subparts 160.002 and 160.005 shall be removed from service.

(R.S. 4405, as amended, 4462, as amended; 46 U.S.C. 375, 416. Interpret or apply R.S. 4417, as amended, 4418, as amended, 4426, as amended, 4488, as amended, 4491, as amended, secs. 1, 2, 49 Stat. 1544, as amended, sec. 17, 54 Stat. 166, as amended, sec. 3, 54 Stat. 347, as amended, sec. 3, 70 Stat. 152, sec. 3, 68 Stat. 675; 46 U.S.C. 391, 392, 404, 481, 489, 367, 526p, 1333, 390b, 50 U.S.C. 198; E.O. 10402, 17 F.R. 9917; 3 CFR, 1952 Supp.)

Subpart 75.50—Embarkation Aids

Section 75.50-5 is amended to read as follows:

§ 75.50-5 Ladders.

(a) Vessels certificated for ocean, coastwise or Great Lakes service shall have ladders as follows:

(1) All ladders required by this paragraph shall be of approved types, constructed in accordance with Subpart 160.017 of Subchapter Q (Specifications) of this chapter.

(2) All vessels shall have an approved Type II (chain suspension) ladder for each set of lifeboat davits, but existing ladders previously approved by the Coast Guard may be continued in service so long as they are maintained in good and serviceable condition. Such ladders shall be kept ready and convenient for use on the lifeboat deck, and shall reach from such deck to the vessel's light water line, no heel assumed.

(3) All vessels certificated for ocean or coastwise service, which normally employ a pilot shall have an approved type ladder for the use of the pilot, in addition to the ladders required by subparagraph (2) of this paragraph. All new or replacement ladders shall be approved Type I (rope suspension) or Type II (chain suspension) ladders, and suitable spreaders and man ropes shall be kept readily available for use in conjunction with the pilot ladder whenever circumstances may so require.

(b) Vessels certificated for lakes, bays, and sounds service shall be provided with a suitable ladder for each set of lifeboat davits. Such ladders shall be reversible and free from garment-entangling projections. They shall be kept ready and convenient for use on the lifeboat deck, and shall reach from such deck to the vessel's light water line, no heel assumed.

(c) Vessels certificated for river service shall be provided with suitable ladders to enable passengers to descend conveniently to the lifeboats.

Subpart 75.50 is amended by inserting after § 75.50-5 a new § 75.50-7 reading as follows:

§ 75.50-7 Embarkation aids into inflatable life rafts.

(a) Where inflatable life rafts are substituted for lifeboats, unless freeboard at embarkation point is such that embarkation devices are not necessary, suitable arrangements shall be made for embarkation which shall include sufficient ladders or other suitable devices to

facilitate embarkation into the inflatable life rafts when waterborne.

(R.S. 4405, as amended, 4462, as amended; 46 U.S.C. 375, 416. Interpret or apply R.S. 4417, as amended, 4418, as amended, 4426, as amended, 4488, as amended, 4491, as amended, secs. 1, 2, 49 Stat. 1544, as amended, sec. 17, 54 Stat. 166, as amended, sec. 3, 54 Stat. 347, as amended, sec. 3, 70 Stat. 152, sec. 3, 68 Stat. 675; 46 U.S.C. 391, 392, 404, 481, 489, 367, 526p, 1333, 390b, 50 U.S.C. 198; E.O. 10402, 17 F.R. 9917; 3 CFR, 1952 Supp.)

PART 76—FIRE PROTECTION EQUIPMENT

Subpart 76.10—Fire Main System, Details

Section 76.10-10(1) is amended by adding a new subparagraph (3) reading as follows:

§ 76.10-10 Fire hydrants and hose.

(1) * * *

(3) All lined and unlined hose installed after January 1, 1961, shall be of fire hose quality, in conformance with Underwriters' Laboratories, Inc., Standard 18 or 19, or Federal Specification JJ-H-571 or ZZ-H-451a. Hose which bears the label of Underwriters' Laboratories, Inc., as inspected lined or unlined fire hose will be accepted as conforming to this requirement.

(R.S. 4405, as amended, 4462, as amended, 46 U.S.C. 375, 416. Interpret or apply R.S. 4417, as amended, 4418, as amended, 4426, as amended, 4488, as amended, secs. 1, 2, 49 Stat. 1544, as amended, sec. 17, 54 Stat. 166, as amended, sec. 3, 54 Stat. 347, as amended, sec. 3, 70 Stat. 152, sec. 3, 68 Stat. 675; 46 U.S.C. 391, 392, 404, 481, 367, 526p, 1333, 390b, 50 U.S.C. 198; E.O. 10402, 17 F.R. 9917; 3 CFR, 1952 Supp.)

PART 78—OPERATIONS

Subpart 78.17—Tests, Drills, and Inspections

1. Section 78.17-60 is amended to read as follows:

§ 78.17-60 Lifeboats, life rafts, life floats, and buoyant apparatus.

(a) (1) It shall be the duty of the master or person in charge to see that the lifeboats, rescue boats, life rafts, life floats, and buoyant apparatus are properly maintained at all times, and that all equipment for his vessel required by the regulations in this subchapter is provided, maintained, and replaced as indicated.

(2) The master shall assign to one or more officers the duty of seeing that the lifeboats, rescue boats, life rafts, life floats, and buoyant apparatus are at all times ready for immediate use.

(3) The decks on which lifeboats, rescue boats, life rafts, life floats, and buoyant apparatus are stowed shall be kept clear of cargo or any other obstructions which would interfere with the immediate launching of such equipment.

(b) Where motor-propelled lifeboats are carried, the motor of each lifeboat shall be operated in the ahead and astern position for a period of not less

than 5 minutes at least once in each week.

(c) All lifeboats, rescue boats and rigid type life rafts shall be stripped, cleaned, and thoroughly overhauled at least once in every year. When lifeboats are removed from a vessel for this purpose on a rotational basis, the installation test prescribed by Subpart 75.35 need not be made.

(d) The fuel tanks of all motor-propelled lifeboats shall be emptied and the fuel changed at least once in every year.

(e) All life floats and buoyant apparatus shall be cleaned and thoroughly overhauled at least once in every year.

(f) Inflatable life rafts shall be serviced at an approved service facility every 12 months or not later than the next vessel inspection for certification provided the time since date of last servicing does not exceed 15 months. Except in emergencies no servicing shall be done aboard vessels.

(R.S. 4405, as amended, 4462, as amended; 46 U.S.C. 375, 416. Interpret or apply R.S. 4417, as amended, 4418, as amended, 4426, as amended, 4453, as amended, 4488, as amended, secs. 1, 2, 49 Stat. 1544, sec. 17, 54 Stat. 166, as amended, sec. 3, 54 Stat. 346, as amended, sec. 3, 68 Stat. 675; 46 U.S.C. 391, 392, 404, 435, 481, 367, 526b, 1333, 50 U.S.C. 198; E.O. 10402, 17 F.R. 9917; 3 CFR, 1952 Supp.)

Subpart 78.47—Markings for Fire and Emergency Equipment, Etc.

2. Section 78.47-63 is amended to read as follows:

§ 78.47-63 Life rafts, life floats, and buoyant apparatus.

(a) Rigid type life rafts, life floats, and buoyant apparatus, together with their oars and paddles, shall be conspicuously marked with the vessel's name.

(b) The number of persons allowed on each rigid type life raft, life float, and buoyant apparatus shall be conspicuously marked or painted thereon in letters and numbers at least 1½ inches high.

(c) There shall be stenciled in a conspicuous place in the immediate vicinity of each inflatable life raft the following:

INFLATABLE LIFE RAFT NO. _____
 _____ PERSONS CAPACITY

These markings shall not be placed on the inflatable life raft containers.

NOTE: § 160.051-8(a) of Subchapter Q (Specifications) of this chapter requires permanently attached name plates on each inflatable life raft and carrying case. The name plate contains the following information: The name of manufacturer, approval number, the manufacturer's model number, serial number, and lot number, and the number of persons for which the inflatable life raft is approved. In addition, the carrying case shall be marked "Ocean Service Equipment" or "Limited Service Equipment" as applicable, together with the marine inspector's initials, the date, and the letters "USCG."

(R.S. 4405, as amended, 4462, as amended; 46 U.S.C. 375, 416. Interpret or apply R.S. 4417, as amended, 4418, as amended, 4426, as amended, 4453, as amended, 4488, as amended, secs. 1, 2, 49 Stat. 1544, sec. 17, 54 Stat. 166, as amended, sec. 3, 54 Stat. 346, as amended, sec. 3, 68 Stat. 675; 46 U.S.C. 391, 392, 404, 435, 481, 367, 526p, 1333, 50 U.S.C.

198; E.O. 10402, 17 F.R. 9917; 3 CFR 1952 Supp.)

3. Part 78 is amended by adding a new Subpart 78.70 at the end thereof, which reads as follows:

Subpart 78.70—De-Energizing of Cargo Hold Lighting Circuits When Grain or Other Combustible Bulk Cargo Is Carried

Sec.

78.70-1 Master's responsibility.

78.70-5 Warning notice posted.

AUTHORITY: §§ 78.70-1 and 78.70-5 issued under R.S. 4405, as amended, 4462, as amended; 46 U.S.C. 375, 416. Interpret or apply R.S. 4417, as amended, 4418, as amended, 4426, as amended, 4453, as amended, 4488, as amended, secs. 1, 2, 49 Stat. 1544, sec. 17, 54 Stat. 166, as amended, sec. 3, 54 Stat. 346, as amended, sec. 3, 68 Stat. 675; 46 U.S.C. 391, 392, 404, 435, 481, 367, 526p, 1333, 50 U.S.C. 198; E.O. 10402, 17 F.R. 9917; 3 CFR, 1952 Supp.

§ 78.70-1 Master's responsibility.

(a) Before loading bulk grain, or similar combustible bulk cargo, the master shall have the lighting circuits to cargo compartments in which the bulk cargo is to be loaded de-energized at the distribution panel or panel board. He shall thereafter have periodic inspections made of the panel or panel board as frequently as necessary to ascertain that the affected circuits remain de-energized while this bulk cargo remains within the vessel.

§ 78.70-5 Warning notice posted.

(a) As a precaution against any subsequent unintentional re-energizing of the circuits specified above, an appropriate notice shall be posted at the location where the control is effected warning against re-energizing these circuits. Such notice shall remain posted while this bulk cargo remains within the vessel.

SUBCHAPTER I—CARGO AND MISCELLANEOUS VESSELS

PART 91—INSPECTION AND CERTIFICATION

Subpart 91.25—Inspection for Certification

Section 91.25-15(a) is amended by revising subparagraph (6) and by adding a new subparagraph (7) reading as follows:

§ 91.25-15 Lifesaving equipment.

(a) * * *

(6) Inflatable life rafts shall be serviced at an approved servicing facility in accordance with the provisions of Subpart 160.051 of Subchapter Q (Specifications) of this chapter. Inflatable life rafts shall be serviced at an approved servicing facility every 12 months or not later than the next vessel inspection for certification provided the total time since date of last servicing does not exceed 15 months. The period for servicing is computed from the date of last servicing. Except in emergencies no servicing should be done aboard vessels. If at any time external damage is found to the container or straps or if the seal

is broken, the Officer in Charge, Marine Inspection, shall be notified and the raft shall be serviced by an approved servicing facility.

NOTE: After the raft has been satisfactorily serviced in the presence of a marine inspector at an approved servicing facility, the raft is repacked and sealed and the carrying case stamped "PASSED" together with the date, port, and the marine inspector's initials.

(7) All other items of lifesaving equipment shall be examined to determine that they are in suitable condition.

(R.S. 4405; as amended, 4462, as amended, 46 U.S.C. 375, 416. Interpret or apply R.S. 4399, as amended, 4400, as amended, 4417, as amended, 4418, as amended, 4421, as amended, 4423, as amended, 4426-4431, as amended, 4433, as amended, 4434, as amended, 4453, as amended, 4488, as amended, sec. 14, 29 Stat. 690, secs. 10, 11, 35 Stat. 428, 41 Stat. 305, 49 Stat. 1544, 1935, as amended, sec. 3, 68 Stat. 675; 46 U.S.C. 361, 362, 391, 392, 399, 400, 404-409, 411, 412, 435, 481, 366, 395, 396, 363, 367, 660a, 50 U.S.C. 198; E.O. 10402, 17 F.R. 9917, 3 CFR 1952 Supp.)

PART 94—LIFESAVING EQUIPMENT

Subpart 94.01—Application

1. Section 94.01-1(a) is amended to read as follows:

§ 94.01-1 Details of application.

(a) Except as specifically noted, the provisions of this part shall apply to all vessels other than motorboats. Motorboats shall meet the requirements of Subparts 94.01, 94.05, and 94.40, and § 94.10-1(b).

(R.S. 4405, as amended, 4462, as amended; 46 U.S.C. 375, 416. Interpret or apply R.S. 4417, as amended, 4418, as amended, 4426, as amended, 4488, as amended, 4491, as amended, secs. 1, 2, 49 Stat. 1544, as amended, sec. 17, 54 Stat. 166, as amended, sec. 3, 68 Stat. 675; 46 U.S.C. 391, 392, 404, 484, 475, 481, 489, 367, 526p, 50 U.S.C. 198; E.O. 10402, 17 F.R. 9917; 3 CFR, 1952 Supp.)

Subpart 94.05—General Provisions Pertaining to Lifesaving Equipment

2. Subpart 94.05 is amended by adding at end thereof a new section reading as follows:

§ 94.05-10 Primary lifesaving equipment.

(a) The term "primary lifesaving equipment" means a lifeboat or an acceptable substitute. Life preservers and ring life buoys are not included in this definition of "primary lifesaving equipment."

(R.S. 4405, as amended, 4462, as amended; 46 U.S.C. 375, 416. Interpret or apply R.S. 4417, as amended, 4418, as amended, 4426, as amended, 4488, as amended, 4491, as amended, secs. 1, 2, 49 Stat. 1544, as amended, sec. 17, 54 Stat. 166, as amended, sec. 3, 68 Stat. 675; 46 U.S.C. 391, 392, 404, 484, 475, 481, 489, 367, 526p, 50 U.S.C. 198; E.O. 10402, 17 F.R. 9917; 3 CFR, 1952 Supp.)

Subpart 94.10—Lifeboats and Life Rafts

3. Section 94.10-1 is amended to read as follows:

§ 94.10-1 Application.

(a) Except as otherwise provided in this section, the provisions of this subpart shall apply to all vessels other than motorboats, contracted for on or after November 19, 1952.

(1) The provisions of § 94.10-5(a) (4) (i) shall apply to Great Lakes vessels contracted for on or after January 1, 1961.

(2) On and after January 1, 1961, the requirements concerning disengaging apparatus in § 94.10-90(a) (2) shall apply to all Great Lakes vessels contracted for prior to January 1, 1961.

(b) Vessels other than motorboats, contracted for prior to November 19, 1952, shall meet the requirements of § 94.10-90.

(c) Inspected motorboats carrying freight for hire shall be provided with such number and size of approved life rafts, life floats, or buoyant apparatus as deemed necessary by the Officer in Charge, Marine Inspection. Work boats or skiffs may be permitted by the Officer in Charge, Marine Inspection, if considered suitable.

4. Section 94.10-5 is amended to read as follows:

§ 94.10-5 Type of lifeboats and life rafts required.

(a) *Lifeboats.* (1) All lifeboats shall be of an approved type, constructed in accordance with Subpart 160.035 of Subchapter Q (Specifications) of this chapter except as specifically noted in this part.

(2) All lifeboats certified to carry 60 or more persons shall be either motor-propelled of Class A or Class B, or shall be fitted with an approved type of hand-propelling gear.

(3) Class A motor-propelled lifeboats shall be fitted with a compression-ignition engine, a radio cabin and a radio installation complying with the requirements of the Federal Communications Commission, and a searchlight constructed in accordance with Subpart 161.006 of Subchapter Q (Specifications) of this chapter. Class B motor-propelled lifeboats need not have an engine of the compression-ignition type or a radio or a searchlight.

(4) Except as further modified in this subparagraph, all lifeboats, except those installed on vessels in river service, shall be fitted with suitable disengaging apparatus consisting of fixed hooks in the lifeboat or mechanical disengaging apparatus. Mechanical disengaging apparatus, if fitted shall be of an approved type, constructed in accordance with Subpart 160.033 of Subchapter Q (Specifications) of this chapter.

(i) All lifeboats installed on ocean, coastwise, or Great Lakes vessels of over 3,000 gross tons shall be fitted with mechanical disengaging apparatus so arranged as to make it possible for the lifeboats to be launched with their full complement of persons and equipment while such vessels are under way or stopped, and for both ends of the lifeboat to be released simultaneously, under tension or not, by one person. Simultaneous release shall be effected by partially rotat-

ing a shaft which shall be continuous and extend from points of contact with the hooks.

(ii) All lifeboats installed on any particular vessel shall be fitted with the same type of disengaging apparatus.

(iii) On small vessels, the Commandant may approve means other than those previously mentioned to agree with the needs of a particular vessel.

(b) *Life rafts.* (1) All rigid type life rafts shall be of an approved type, constructed in accordance with Subpart 160.018 of Subchapter Q (Specifications) of this chapter. Type A life rafts shall be stowed on the standard life raft skids required by § 94.15-10(c) (1) unless specifically noted otherwise.

(2) All inflatable life rafts shall be of an approved type constructed in accordance with Subpart 160.051 of Subchapter Q (Specifications) of this chapter.

(c) *Life floats.* (1) All life floats shall be of an approved type, constructed in accordance with Subpart 160.027 of Subchapter Q (Specifications) of this chapter.

(d) *Buoyant apparatus.* (1) All buoyant apparatus shall be of an approved type, constructed in accordance with Subpart 160.010 of Subchapter Q (Specifications) of this chapter.

(e) *Rescue boat.* (1) In general, a suitable rescue boat shall be a small lightweight boat of rigid construction, with built-in buoyancy and capable of being readily launched and easily maneuvered. Also it shall be of adequate proportion to permit taking an unconscious person on board without capsizing. A rescue boat and its installation shall be acceptable to the Officer in Charge, Marine Inspection, as suitable for the rescue of persons accidentally falling over the side, or for similar emergency purposes. The size, shape, installation, and other factors of suitability will be determined with due consideration of the size, arrangement, intended service, and crew requirements of the vessel on which it is to be installed.

5. Section 94.10-10 is amended by adding a new paragraph (d) reading as follows:

§ 94.10-10 Requirements for vessels in ocean or coastwise service other than barges; towing, fishing, wrecking, and whale factory vessels; pilot boats; and yachts.

(d) Inflatable life rafts may be substituted for lifeboats on certain vessels in accordance with § 94.10-55.

6. Section 94.10-15 is amended by adding a new paragraph (b) reading as follows:

§ 94.10-15 Requirements for seagoing barges in ocean or coastwise service.

(b) Inflatable life rafts may be substituted for lifeboats on certain vessels in accordance with § 94.10-55.

7. Section 94.10-20 is amended by adding a new paragraph (d) reading as follows:

§ 94.10-20 Requirements for towing, fishing, and wrecking vessels, and pilot boats in ocean or coastwise service.

(d) Inflatable life rafts may be substituted for lifeboats, life rafts, life floats and buoyant apparatus on certain vessels in accordance with § 94.10-55.

8. Section 94.10-25 is amended by adding a new paragraph (e) reading as follows:

§ 94.10-25 Requirements for yachts in ocean or coastwise service.

(e) Inflatable life rafts may be substituted for lifeboats and life rafts on certain vessels in accordance with § 94.10-55.

9. Section 94.10-30 is amended by adding a new paragraph (d) reading as follows:

§ 94.10-30 Requirements for whale factory vessels in ocean or coastwise service.

(d) Inflatable life rafts may be substituted for lifeboats on certain vessels in accordance with § 94.10-55.

10. Section 94.10-40 is amended by revising footnote 1 to Table 94.10-40(a) in paragraph (a) and by adding a new paragraph (b) reading as follows:

§ 94.10-40 Requirements for vessels in Great Lakes; lakes, bays, and sounds; or river service other than fireboats, wrecking and fishing vessels, pilot boats, and yachts.

(a) * * *

TABLE 94.10-40(a)—LIFEBOATS AND LIFE RAFTS REQUIRED ON VESSELS IN GREAT LAKES; LAKES, BAYS, AND SOUNDS AND RIVER SERVICE OTHER THAN FIREBOATS, WRECKING AND FISHING VESSELS, PILOT BOATS, AND YACHTS

*When of 300 gross tons and over, vessels carrying cargo shall have, in addition to all other lifeboats and life rafts required, two fully equipped approved life rafts of not less than 15-person capacity. These life rafts shall be stowed (not necessarily in skids) so as to float clear in the event of sinking of the vessel. One shall be located forward and the other aft. An approved life float of not less than 15-person capacity may be substituted for the required life raft aft. Towing vessels of 300 gross tons and over are required to have only one approved life raft or life float of not less than 15-person capacity as additional lifesaving equipment.

(b) Inflatable life rafts may be substituted for lifeboats and life rafts on certain vessels in accordance with § 94.10-55.

11. Section 94.10-45 is amended by adding a new paragraph (d) reading as follows:

§ 94.10-45 Requirements for fireboats, wrecking and fishing vessels, and pilot boats in Great Lakes; lakes, bays, and sounds; or river service.

(d) Inflatable life rafts may be substituted for lifeboats and life rafts on certain vessels in accordance with § 94.10-55.

12. Section 94.10-50 is amended by adding a new paragraph (b) reading as follows:

§ 94.10-50 Requirements for yachts in Great Lakes; lakes, bays, and sounds; or river service.

(b) Inflatable life rafts may be substituted for lifeboats and life rafts on certain vessels in accordance with § 94.10-55.

13. Subpart 94.10 is amended by inserting after § 94.10-50 a new § 94.10-55 reading as follows:

§ 94.10-55 Inflatable life rafts as an alternate for lifeboats, other life rafts, life floats, and buoyant apparatus on certain vessels.

(a) (1) On all vessels except those required to meet the standards of the International Convention for Safety of Life at Sea, 1948, inflatable life rafts may be permitted as substitutes for other types of life rafts, life floats and buoyant apparatus wherever they may be required.

(2) The capacity of inflatable life rafts carried in place of other life rafts, life floats, and buoyant apparatus shall be at least equivalent to that required of the equipment for which substitution is made.

(3) The substitution of inflatable life rafts shall not be made without prior approval of the Officer in Charge, Marine Inspection.

(b) On all vessels less than 3,000 gross tons, except those required to meet the standards of the International Convention for Safety of Life at Sea, 1948, the substitution of life rafts for lifeboats may be permitted as follows:

(1) (i) On all vessels under 500 gross tons, inflatable life rafts may be substituted for all required lifeboats.

(ii) The total capacity of the inflatable life rafts shall be at least equal to the total number of persons that the lifeboats would have been required to accommodate. Partial substitution is permissible provided the aggregate lifeboat and inflatable life raft capacity is sufficient to accommodate the required number of persons, as indicated above.

(iii) Where substitution of inflatable life rafts is made, a suitable rescue boat shall be provided. In the case of partial substitution, a lifeboat may serve as the rescue boat.

(iv) In the exceptional case on a vessel under 100 gross tons, the rescue boat may be omitted when it can be shown to the satisfaction of the Commandant that it is not necessary due to the size, arrangement and maneuverability of the vessel, and its intended service.

(2) (i) On all vessels of 500 gross tons and upward to 1,600 gross tons, inflatable life rafts may be substituted for all required lifeboats provided one approved lifeboat of a size acceptable to the Officer in Charge, Marine Inspection, suitable for rescue purposes, is installed.

(ii) The aggregate lifeboat and inflatable life raft capacity shall be at least equal to the total number of persons that the lifeboats would have been required to accommodate.

(iii) The launching arrangement and location of the lifeboat to be used as rescue boat shall be such that it can be readily launched and shall be to the satisfaction of the Officer in Charge, Marine Inspection.

(3) (i) On all vessels of 1,600 gross tons and upward to 3,000 gross tons, inflatable life rafts may be substituted for all except two of the required lifeboats. These lifeboats shall be of a size acceptable to the Officer in Charge, Marine Inspection, and shall be suitable for rescue purposes. In all cases, two approved lifeboats, one on each side, shall be provided.

(ii) The aggregate lifeboat and inflatable life raft capacity shall be at least equal to the total number of persons that the lifeboats, for which substitutions are made plus those remaining on board, would have been required to accommodate.

(4) The substitution of inflatable life rafts for lifeboats shall not be made without prior approval of the Officer in Charge, Marine Inspection.

(c) On all seagoing barges of 100 gross tons and over an inflatable life raft may be substituted for the required lifeboat, the total capacity of which shall be sufficient to accommodate all persons on board.

(d) The Commandant may give special consideration to the substitution of approved inflatable life rafts for required lifeboats on vessels of 3,000 gross tons and over, except those vessels required to meet the standards of the International Convention for Safety of Life at Sea, 1948.

14. Section 94.10-90(a) (2) is amended to read as follows:

§ 94.10-90 Vessels contracted for prior to November 19, 1952.

(a) * * *

(2) On vessels of over 3,000 gross tons in ocean, coastwise, or Great Lakes service, all replacement of disengaging apparatus shall meet the requirements of § 94.10-5(a) (4) (i). On all other vessels in any service, all of the lifeboats on a particular vessel shall be fitted with the same type of disengaging apparatus.

(R.S. 4405, as amended, 4462, as amended; 46 U.S.C. 375, 416. Interpret or apply R.S. 4417, as amended, 4418, as amended, 4426, as amended, 4488, as amended, 4491, as amended, secs. 1, 2, 49 Stat. 1544 as amended, sec. 17, 54 Stat. 166, as amended, sec. 3, 68 Stat. 675; 46 U.S.C. 391, 392, 404, 484, 475, 481, 489, 367, 526p, 50 U.S.C. 198; E.O. 10402, 17 F.R. 9917; 3 CFR, 1952 Supp.)

Subpart 94.15—Stowage and Marking of Lifeboats and Life Rafts

15. Section 94.15-10(c) is amended by adding a new subparagraph (4) reading as follows:

§ 94.15-10 Stowage.

(c) Life raft stowage. * * *

(4) Inflatable life rafts shall be stowed in such a manner that they will float free in the event of the vessel sinking. Stowage and launching arrangements

19. Section 94.20-20, including Table 94.20-20(a), is amended to read as follows:

§ 94.20-20 Required equipment for life rafts.

(a) The life rafts for all vessels shall be equipped in accordance with Table

TABLE 94.20-20(a)

Letter identification	Item identification	Ocean and coastwise	Great Lakes		Lakes, bays, and sounds, and rivers
			Vessels carrying cargo	Other vessels	
a.	Boathook.	1	1	1	1
b.	Drinking cups.	1	None	None	None
c.	Jackknife.	1	None	None	None
d.	Lifeline.	1	1	1	1
e.	Matches (boxes).	1	1	1	1
f.	Mirrors, signaling.	2	None	None	None
g.	Oars.	2	1 unit	1 unit	1 unit
h.	Oil, storm (gallons).	1	1	1	1
i.	Painter.	1	1	1	1
j.	Provisions (pounds per person).	2	None	1 unit	1 unit
k.	Rowlocks.	1	1 unit	1 unit	1 unit
l.	Sea anchor.	1	1 unit	1 unit	1 unit
m.	Signals, distress.	1	1 unit	1 unit	1 unit
n.	Water (quarts per person).	1	1	1	1
o.	Water light.	1	1	1	1

1 Not required on Type A life rafts.

2 For description of units see § 94.20-25.

3 1 unit here means 6 hand red flare distress signals and 6 parachute red flare distress signals with an approved means of projecting them.

4 Required only on towing vessels of 300 gross tons and over.

(b) Inflatable life rafts shall be equipped for "ocean service," or "limited service," depending on its certified route, in accordance with Subpart 160.051 of Part 160 of Subchapter Q (Specifications) of this chapter.

Note: Subpart 160.051 of Subchapter Q (Specifications) of this chapter requires the servicing of inflatable life rafts at approved servicing facilities. Included in the servicing at an approved servicing facility is a complete inspection of the required equipment by a marine inspector.

§ 94.20-25 [Amendment]

20. Section 94.20-25 Description of equipment for life rafts is amended by deleting paragraph (n) (3).

(R.S. 4405, as amended, 4462, as amended; 46 U.S.C. 375, 416. Interpret or apply R.S. 4417, as amended, 4418, as amended, 4426, as amended, 4488, as amended, 4491, as amended, secs. 1, 2, 49 Stat. 1544, as amended, sec. 17, 54 Stat. 166, as amended, sec. 3, 68 Stat. 675; 46 U.S.C. 391, 392, 404, 484, 475, 481, 489, 367, 526p, 50 U.S.C. 198; E.O. 10402, 17 F.R. 9917; 3 CFR, 1952 Supp.)

will be to the satisfaction of the Officer in Charge, Marine Inspection.

(R.S. 4405, as amended, 4462, as amended; 46 U.S.C. 375, 416. Interpret or apply R.S. 4417, as amended, 4418, as amended, 4426, as amended, 4488, as amended, 4491, as amended, secs. 1, 2, 49 Stat. 1544, as amended, sec. 17, 54 Stat. 166, as amended, sec. 3, 68 Stat. 675; 46 U.S.C. 391, 392, 404, 484, 475, 481, 489, 367, 526p, 50 U.S.C. 198; E.O. 10402, 17 F.R. 9917; 3 CFR, 1952 Supp.)

16. Section 94.20-10(a) is amended by revising Table 94.20-10(a) to read as follows:

§ 94.20-10 Required equipment for lifeboats.

TABLE 94.20-10(a)

Letter identification	Item	Ocean and coastwise	Great Lakes		Lakes, bays, and sounds, and rivers
			Seagoing barges	Vessels carrying cargo	
a.	Bailer.	1	None	1	None
b.	Bilge pump.	1	None	None	None
c.	Boathook.	1	None	None	None
d.	Bucket.	2	1	1	1
e.	Compass and mounting.	1	None	None	None
f.	Dirt bag.	1	None	None	None
g.	Drinking cups.	1	None	None	None
h.	Fire extinguishers (motor-propelled lifeboats only).	2	2	2	2
i.	First-aid kit.	1	None	None	None
j.	Flashlight.	1	None	None	None
k.	Hatchets.	2	None	None	None
l.	Heating line.	1	None	None	None
m.	Ladder, lifeboat, gunwale.	1	None	None	None
n.	Life line.	1	1	1	1
o.	Life preservers.	2	2	2	2
p.	Lock.	1	None	None	None
q.	Mast and sail (oar-propelled lifeboats only).	1	None	None	None
r.	Matches (boxes).	1	None	None	None
s.	Milk condensed (pounds per person).	2	None	None	None
t.	Mirrors, signaling.	1	1 unit	1 unit	1 unit
u.	Oars.	2	1 unit	1 unit	1 unit
v.	Oil illuminating (quarts).	1	None	None	None
w.	Oil, storm (gallons).	1	1	1	1
x.	Painter.	1	1	1	1
y.	Plugs.	1	None	None	None
z.	Provisions (pounds per person).	2	None	None	None
aa.	Rowlocks.	1	1 unit	1 unit	1 unit
bb.	Rudder and tiller.	1	None	None	None
cc.	Sea anchor.	1	None	None	None
dd.	Signals, distress, floating orange smoke.	2	None	None	None
ee.	Signals, distress, red hand flare.	2	None	None	None
ff.	Signals, distress, red parachute flare.	2	None	None	None
gg.	Tool kit (motor-propelled lifeboat only).	1	1 unit	1 unit	1 unit
hh.	Water (quarts per person).	3	1 unit	1 unit	1 unit

1 Motor-propelled lifeboats, certified for 100 or more persons, shall be fitted with an additional hand bilge pump of an approved type or a power bilge pump.

2 Not required on lifeboats of less than 60 persons capacity.

3 For description of units, see § 94.20-15.

4 Vessels in coastwise service need only carry 1 unit for each 5 lifeboats or fraction thereof.

17. Section 94.20-15(z) is amended to read as follows:

§ 94.20-15 Description of equipment for lifeboats.

(z) Painter. Painters shall be of manila rope not less than 2 3/4 inches in circumference, or equivalent, and of a length not less than 3 times the distance

Subpart 94.25—Davits

21. Section 94.25-5 is amended by adding a new paragraph (g) reading as follows:

§ 94.25-5 General.

(g) On a vessel on which inflatable life rafts have been substituted for lifeboats, a launching device for each lifeboat to be used for rescue purposes shall be installed. Radial type davits or other means may be used in sheltered waters if acceptable to the Officer in Charge, Marine Inspection.

22. Section 94.25-15 is amended by adding a new paragraph (b) reading as follows:

§ 94.25-15 Requirements for vessels in Great Lakes, lakes, bays, and sounds, or river service.

(b) For vessels in Great Lakes service, all davit installations shall have 2 life lines fitted to a davit span. The life lines shall be of such length as to reach

the water at the lightest draft with the vessel listed 15 degrees either way.

(R.S. 4405, as amended, 4462, as amended; 46 U.S.C. 375, 416. Interpret or apply R.S. 4417, as amended, 4418, as amended, 4426, as amended, 4488, as amended, 4491, as amended, secs. 1, 2, 49 Stat. 1544, as amended, sec. 17, 54 Stat. 166, as amended, sec. 3, 68 Stat. 675; 46 U.S.C. 391, 392, 404, 484, 475, 481, 489, 367, 526p, 50 U.S.C. 198; E.O. 10402, 17 F.R. 9917; 3 CFR, 1952 Supp.)

Subpart 94.40—Life Preservers

23. Section 94.40-5 is amended to read as follows:

§ 94.40-5 General.

(a) All life preservers shall be of an approved type, constructed in accordance with Subparts 160.002, 160.003, 160.004, 160.005, or 160.055 of Subchapter Q (Specifications) of this chapter.

(b) On or before July 1, 1963, all kapok and fibrous glass life preservers which do not have plastic covered pad inserts as required by Subparts 160.002 and 160.005 shall be removed from service.

24. Section 94.40-10 is amended to read as follows:

§ 94.40-10 Number required.

(a) All vessels shall be provided with a life preserver for each person on board except as specifically modified by paragraph (b) of this section.

(b) For vessels in Great Lakes service of 3000 tons or over having berthing and/or working spaces forward widely separated from messing or recreational spaces aft there shall be provided in addition to those life preservers required by paragraph (a) of this section sufficient additional life preservers for 50 percent of the total number of persons on board.

25. Section 94.40-15(a) is amended by adding a new subparagraph (2) at the end thereof reading as follows:

§ 94.40-15 Distribution and stowage.

(a) *Distribution.* * * *

(2) The additional 50 percent life preservers required by § 94.40-10(b) shall be properly stowed in the vicinity of the lifeboats.

(R.S. 4405, as amended, 4462, as amended; 46 U.S.C. 375, 416. Interpret or apply R.S. 4417, as amended, 4418, as amended, 4426, as amended, 4488, as amended, 4491, as amended, secs. 1, 2, 49 Stat. 1544, as amended, sec. 17, 54 Stat. 166, as amended, sec. 3, 68 Stat. 675; 46 U.S.C. 391, 392, 404, 484, 475, 481, 489, 367, 526p, 50 U.S.C. 198; E.O. 10402, 17 F.R. 9917; 3 CFR, 1952 Supp.)

Subpart 94.43—Ring Life Buoys and Water Lights

26. Section 94.43-10(b) is amended to read as follows:

§ 94.43-10 Number required.

(b) One of the ring life buoys on each side of the vessel shall have secured to it a line at least 15 fathoms in length.

(R.S. 4405, as amended, 4462, as amended; 46 U.S.C. 375, 416. Interpret or apply R.S. 4417, as amended, 4418, as amended, 4426, as amended, 4488, as amended, 4491, as amended, secs. 1, 2, 49 Stat. 1544, as amended,

sec. 17, 54 Stat. 166, as amended, sec. 3, 68 Stat. 675; 46 U.S.C. 391, 392, 404, 484, 475, 481, 489, 367, 526p, 50 U.S.C. 198; E.O. 10402, 17 F.R. 9917; 3 CFR, 1952 Supp.)

Subpart 94.50—Embarkation Aids

27. Section 94.50-5 is amended to read as follows:

§ 94.50-5 Ladders.

(a) *General.* All ladders required by this section shall be of an approved type constructed in accordance with Subpart 160.017 of Subchapter Q (Specifications) of this chapter.

(b) *Vessels in ocean, coastwise or Great Lakes service.* (1) All vessels in ocean, coastwise or Great Lakes service shall have an approved Type II (chain suspension) ladder for each set of lifeboat davits, but existing ladders previously approved by the Coast Guard may be continued in service so long as they are maintained in good condition. Such ladders shall be kept ready and convenient for use on the lifeboat deck, and shall reach from such deck to the vessel's light water line, no heel assumed.

(2) All ocean and coastwise vessels which normally employ a pilot shall have an approved type ladder for the use of the pilot in addition to the ladders required by subparagraph (1) of this paragraph. All pilot ladders shall be approved Type I (rope suspension) or Type II (chain suspension) ladders, and suitable spreaders and man ropes shall be kept readily available for use in conjunction with the pilot ladders whenever circumstances may so require.

28. Subpart 94.50 is amended by inserting after § 94.50-5 a new § 94.50-7 reading as follows:

§ 94.50-7 Embarkation aids into inflatable life rafts.

(a) Where inflatable life rafts are substituted for lifeboats, unless freeboard at embarkation point is such that embarkation devices are not necessary, suitable arrangements shall be made for embarkation which shall include sufficient ladders or other suitable devices to facilitate embarkation into the inflatable life rafts when waterborne.

(R.S. 4405, as amended, 4462, as amended; 46 U.S.C. 375, 416. Interpret or apply R.S. 4417, as amended, 4418, as amended, 4426, as amended, 4488, as amended, 4491, as amended, secs. 1, 2, 49 Stat. 1544, sec. 17, 54 Stat. 166, as amended, sec. 3, 68 Stat. 675; 46 U.S.C. 391, 392, 404, 484, 475, 481, 489, 367, 526p, 50 U.S.C. 198; E.O. 10402, 17 F.R. 9917; 3 CFR, 1952 Supp.)

PART 95—FIRE PROTECTION EQUIPMENT

Subpart 95.05—Fire Detecting and Extinguishing Equipment, Where Required

1. Section 95.05-5(a)(2) is amended to read as follows:

§ 95.05-5 Fire main system.

* * *

(a) * * *

(2) On all barges with sleeping accommodations for more than 12 persons.

2. Section 95.05-10(a)(2) is amended to read as follows:

§ 95.05-10 Fixed fire extinguishing systems.

* * *

(a) * * *

(2) On all barges with sleeping accommodations for more than 12 persons.

(R.S. 4405, as amended, 4462, as amended, 46 U.S.C. 375, 416. Interpret or apply R.S. 4417, as amended, 4418, as amended, 4426, as amended, 4477, as amended, 4488, as amended, secs. 1, 2, 49 Stat. 1544, as amended, sec. 17, 54 Stat. 166, as amended, sec. 3, 68 Stat. 675; 46 U.S.C. 391, 392, 404, 470, 367, 526p, 50 U.S.C. 198; E.O. 10402, 17 F.R. 9917, 3 CFR, 1952 Supp.)

Subpart 95.10—Fire Main System, Details

3. Section 95.10-10(1) is amended by adding a new subparagraph (4) reading as follows:

§ 95.10-10 Fire hydrants and hose.

* * *

(1) * * *

(4) All lined and unlined hose installed after January 1, 1961, shall be of fire hose quality, in conformance with Underwriters' Laboratories, Inc., Standard 18 or 19, or Federal Specification JJ-H-571 or ZZ-H-451a. Hose which bears the label of Underwriters' Laboratories, Inc., as inspected lined or unlined fire hose will be accepted as conforming to this requirement.

(R.S. 4405, as amended, 4462, as amended, 46 U.S.C. 375, 416. Interpret or apply R.S. 4417, as amended, 4418, as amended, 4426, as amended, 4477, as amended, 4488, as amended, secs. 1, 2, 49 Stat. 1544, as amended, sec. 17, 54 Stat. 166, as amended, sec. 3, 68 Stat. 675; 46 U.S.C. 391, 392, 404, 470, 367, 526p, 50 U.S.C. 198; E.O. 10402, 17 F.R. 9917, 3 CFR, 1952 Supp.)

PART 97—OPERATIONS

Subpart 97.15—Tests, Drills, and Inspections

Section 97.15-45 is amended to read as follows:

§ 97.15-45 Lifeboats, rescue boats, life rafts, life floats, and buoyant apparatus.

(a) (1) It shall be the duty of the master or person in charge to see that the lifeboats, rescue boats, life rafts, life floats, and buoyant apparatus are properly maintained at all times, and that all equipment for his vessel required by the regulations in this subchapter is provided, maintained, and replaced as indicated.

(2) The master shall assign to one or more officers the duty of seeing that the lifeboats, rescue boats, life rafts, life floats, and buoyant apparatus are at all times ready for immediate use.

(3) The decks on which lifeboats, rescue boats, life rafts, life floats, and buoyant apparatus are stowed shall be kept clear of cargo or any other obstructions which would interfere with the immediate launching of such equipment.

(b) Where motor-propelled lifeboats are carried, the motor of each lifeboat shall be operated in the ahead and astern

position for a period of not less than 5 minutes at least once in each week.

(c) All lifeboats, rescue boats and rigid type life rafts shall be stripped, cleaned, and thoroughly overhauled at least once in every year. When lifeboats are removed from a vessel for this purpose on a rotational basis, the installation test prescribed by Subpart 94.35 of this subchapter need not be made.

(d) The fuel tanks of all motor-propelled lifeboats shall be emptied and the fuel changed at least once in every year.

(e) Vessels in ocean or coastwise service having a sufficient number of lifeboats on each side to accommodate all persons on board may care for their lifeboats at sea: *Provided*, That a number of lifeboats sufficient to accommodate all persons on board are fully equipped and ready for use at all times.

(f) Inflatable life rafts shall be serviced at an approved service facility every 12 months or not later than the next inspection for certification provided the time since date of last servicing does not exceed 15 months. Except in emergencies no servicing should be done aboard vessels.

(R.S. 4405, as amended, and 4462, as amended; 46 U.S.C. 375, 416. Interpret or apply R.S. 4417, as amended, 4418, as amended, 4426, as amended, 4453, as amended, 4488, as amended, secs. 1, 2, 49 Stat. 1544, as amended, and sec. 3, 68 Stat. 675; 46 U.S.C. 391, 392, 404, 435, 481, 367, 50 U.S.C. 198; E.O. 10402, 17 F.R. 9917, 3 CFR, 1952 Supp.)

Subpart 97.37—Markings for Fire and Emergency Equipment, Etc.

Section 97.37-40 is amended to read as follows:

§ 97.37-40 Life rafts.

(a) Rigid type life rafts, together with their oars and paddles, shall be conspicuously marked with the vessel's name.

(b) The number of persons allowed on each rigid type life raft shall be conspicuously marked or painted thereon in letters and numbers at least 1½ inches high.

(c) There shall be stenciled in a conspicuous place in the immediate vicinity of each inflatable life raft the following:

INFLATABLE LIFE RAFT NO. -----
----- PERSONS CAPACITY

These markings shall not be placed on the inflatable life raft containers.

NOTE: § 160.051-8(a) of Subchapter Q (Specifications) of this chapter requires permanently attached name plates on each inflatable life raft and carrying case. These name plates contain the following information: The name of manufacturer, approval number, the manufacturer's model number, serial number, and lot number, and the number of persons for which the inflatable life raft is approved. In addition, the carrying case shall be marked "Ocean Service Equipment" or "Limited Service Equipment" as applicable, together with the marine inspector's initials, the date, and the letters "USCG."

(R.S. 4405, as amended, and 4462, as amended; 46 U.S.C. 375, 416. Interpret or apply R.S. 4417, as amended, 4418, as amended, 4426, as amended, 4453, as amended, 4488, as amended, secs. 1, 2, 49 Stat. 1544, as amended, and sec. 3, 68 Stat. 675; 46 U.S.C. 391,

392, 404, 435, 481, 367, 50 U.S.C. 198; E.O. 10402, 17 F.R. 9917, 3 CFR, 1952 Supp.)

Part 97 is amended by adding a new Subpart 97.55 at the end thereof, which reads as follows:

Subpart 97.55—De-Energizing of Cargo Hold Lighting Circuits When Grain or Other Combustible Bulk Cargo is Carried

Sec.

97.55-1 Master's responsibility.
97.55-5 Warning notice posted.

AUTHORITY: §§ 97.55-1 and 97.55-5 issued under R.S. 4405, as amended, 4462, as amended; 46 U.S.C. 375, 416. Interpret or apply R.S. 4417, as amended, 4418, as amended, 4426, as amended, 4453, as amended, 4488, as amended, secs. 1, 2, 49 Stat. 1544, sec. 17, 54 Stat. 166, sec. 3, 68 Stat. 675; 46 U.S.C. 391, 392, 404, 435, 481, 367, 526p, 50 U.S.C. 198; E.O. 10402, 17 F.R. 9917, 3 CFR, 1952 Supp.

§ 97.55-1 Master's responsibility.

(a) Before loading bulk grain, or similar combustible bulk cargo, the master shall have the lighting circuits to cargo compartments in which the bulk cargo is to be loaded de-energized at the distribution panel or panel board. He shall thereafter have periodic inspections made of the panel or panel board as frequently as necessary to ascertain that the affected circuits remain de-energized while this bulk cargo remains within the vessel.

§ 97.55-5 Warning notice posted.

(a) As a precaution against any subsequent unintentional re-energizing of the circuits specified above, an appropriate notice shall be posted at the location where the control is effected warning against re-energizing these circuits. Such notice shall remain posted while this bulk cargo remains within the vessel.

PART 98—SPECIAL CONSTRUCTION, ARRANGEMENT, AND PROVISIONS FOR CERTAIN DANGEROUS CARGOES IN BULK

Subpart 98.05—Elemental Phosphorus in Water in Bulk

Section 98.05-50 is amended by adding a new paragraph (j) reading as follows:

§ 98.05-50 General requirements.

(j) While fast to a dock, a vessel during transfer of bulk cargo shall display a red flag by day or a red light by night, which signal shall be so placed that it will be visible on all sides. When at anchor, a vessel during transfer of bulk cargo shall display a red flag by day, which signal shall be so placed that it will be visible on all sides.

(R.S. 4405, as amended, 4462, as amended, 4472, as amended; 46 U.S.C. 375, 416, 170. Interpret or apply sec. 3, 68 Stat. 675; 50 U.S.C. 198; E.O. 10402, 17 F.R. 9917, 3 CFR, 1952 Supp.)

Subpart 98.10—Sulfuric Acid in Bulk

Section 98.10-5 is amended by adding a paragraph (e) reading as follows:

§ 98.10-5 How acid may be carried.

(e) Spent or sludge sulfuric acid resulting from the use of sulfuric acid in industrial processes may be transported in unlined gravity type cargo tanks or unlined pressure vessel type cargo tanks, provided the corrosive effect on steel is not greater than that of commercial sulfuric acid as prescribed in paragraph (a) of this section.

Section 98.10-45 is amended by adding a new paragraph (g) reading as follows:

§ 98.10-45 General requirements.

(g) While fast to a dock, a vessel during transfer of bulk cargo shall display a red flag by day or a red light by night, which signal shall be so placed that it will be visible on all sides. When at anchor, a vessel during transfer of bulk cargo shall display a red flag by day, which signal shall be so placed that it will be visible on all sides.

(R.S. 4405, as amended, 4462, as amended, 4472, as amended; 46 U.S.C. 375, 416, 170. Interpret or apply sec. 3, 68 Stat. 675; 50 U.S.C. 198; E.O. 10402, 17 F.R. 9917, 3 CFR, 1952 Supp.)

Subpart 98.15—Hydrochloric Acid in Bulk

Section 98.15-45 is amended by adding a new paragraph (h) reading as follows:

§ 98.15-45 General requirements.

(h) While fast to a dock, a vessel during transfer of bulk cargo shall display a red flag by day or a red light by night, which signal shall be so placed that it will be visible on all sides. When at anchor, a vessel during transfer of bulk cargo shall display a red flag by day, which signal shall be so placed that it will be visible on all sides.

(R.S. 4405, as amended, 4462, as amended, 4472, as amended; 46 U.S.C. 375, 416, 170. Interpret or apply sec. 3, 68 Stat. 675; 50 U.S.C. 198; E.O. 10402, 17 F.R. 9917, 3 CFR, 1952 Supp.)

Subpart 98.20—Liquid Chlorine in Bulk

Section 98.20-70 is amended by revising paragraph (a) and by adding a new paragraph (g) reading as follows:

§ 98.20-70 Special operating requirements.

(a) (1) Repairs involving welding or burning shall not be undertaken on the cargo tanks or piping while chlorine in either the liquid or vapor state is present in the system.

(2) Other repairs involving welding or burning equipment may be undertaken on the chlorine barge provided a positive pressure is maintained on the tanks by the vapors remaining after the cargo has been discharged.

(g) While fast to a dock, a vessel during transfer of bulk cargo shall display a red flag by day or a red light by night, which signal shall be so placed that it will be visible on all sides. When at

anchor, a vessel during transfer of bulk cargo shall display a red flag by day, which signal shall be so placed that it will be visible on all sides.

(R.S. 4405, as amended, 4462, as amended, 4472, as amended; 46 U.S.C. 375, 416, 170. Interpret or apply sec. 3, 68 Stat. 675; 50 U.S.C. 198; E.O. 10402, 17 F.R. 9917, 3 CFR, 1962 Supp.)

Subpart 98.25—Anhydrous Ammonia in Bulk

Section 98.25-40(a) is amended to read as follows:

§ 98.25-40 Valves, fittings, and accessories.

(a) All valves, flanges, fittings, and accessory equipment shall be of a type suitable for use with anhydrous ammonia and shall be made of steel, Grade A malleable iron or nodular iron conforming to the requirements of Part 51 of Subchapter F (Marine Engineering) of this chapter. Valves shall be fitted with non-corrosive material suitable for ammonia service. Valves, flanges and pipe fittings shall be of the square or round tongue and groove type or raised-face, American Standard Association 300-pound standard minimum, fitted with suitable soft gasket material. Welded fittings shall be used wherever possible and the number of pipe joints shall be held to a minimum. Screwed joints are not permitted for pipe diameters exceeding two inches. Nonferrous materials, such as copper, copper alloys and aluminum alloys shall not be used in the construction of valves, fittings or accessory equipment. Braze joints are prohibited.

Section 98.25-90 is amended by revising paragraph (a) and by adding a new paragraph (g) reading as follows:

§ 98.25-90 Special operating requirements.

(a) (1) Repairs involving welding or burning shall not be undertaken on the cargo tanks or piping while anhydrous ammonia in either the liquid or vapor state is present in the system.

(2) Other repairs involving the use of welding or burning equipment may be undertaken on the anhydrous ammonia barge provided a positive pressure is maintained on the tanks by the vapors remaining after the cargo has been discharged.

(g) While fast to a dock, a vessel during transfer of bulk cargo shall display a red flag by day or a red light by night, which signal shall be so placed that it will be visible on all sides. When at anchor, a vessel during transfer of bulk cargo shall display a red flag by day, which signal shall be so placed that it will be visible on all sides.

(R.S. 4405, as amended, 4462, as amended, 4472, as amended; 46 U.S.C. 375, 416, 170. Interpret or apply sec. 3, 68 Stat. 675; 50 U.S.C. 198; E.O. 10402, 17 F.R. 9917, 3 CFR, 1962 Supp.)

No. 217—7

SUBCHAPTER J—ELECTRICAL ENGINEERING PART 110—GENERAL PROVISIONS

Subpart 110.15—Definition of Terms Used in This Subchapter

Section 110.15-85 is amended by revising paragraphs (t) and (v) to read as follows:

§ 110.15-85 Generation and distribution terms.

(t) *Receptacle outlet.* A receptacle outlet is an outlet intended to be equipped with one or more receptacles, not of the screw-shell type, or provided with one or more points of attachment within one foot, intended to receive attachment plugs.

(v) *Appliance.* Appliances are current-consuming equipment, fixed or portable; for example, heating, cooking and small motor-operated equipment.

(R.S. 4405, as amended, 4462, as amended; 46 U.S.C. 375, 416)

PART 111—ELECTRICAL SYSTEM; GENERAL REQUIREMENTS

Subpart 111.05—General Requirements

§ 111.05-5 Plan approval. [Amendment]

1. Section 111.05-5(d) (8), is amended by changing the first three words from "Elementary wiring diagram" to "Elementary (one line) wiring diagram."

Subpart 111.10—Generators

§ 111.10-15 Generator construction. [Amendment]

2. Section 111.10-15(j) (1) is amended by changing the phrase at the end of the first sentence from "momentary roll of 22½ degrees" to "momentary roll of 30 degrees."

Subpart 111.25—Motors

§ 111.25-25 Terminal arrangement. [Amendment]

3. Section 111.25-25(a) is amended by deleting from the first sentence the phrase set off by commas, which reads: "except those of the watertight type."

Subpart 111.35—Switchboards and Propulsion Controls

4. Section 111.35-1(e) is amended to read as follows:

§ 111.35-1 General requirements.

(e) *Dead front type switchboard.* Dead front type switchboards shall be used where the voltage between poles or to ground is above 250 volts direct current or 55 volts alternating current.

Subpart 111.45—Motor Circuits and Controllers

5. Section 111.45-1(i) (1) is amended to read as follows:

§ 111.45-1 Motor controllers, general requirements.

(i) *Enclosure—(1) General.* All controlling apparatus, except as otherwise permitted below, shall be protected by enclosing cases, either drip-proof or watertight, depending on their location. Cable entrance plates shall be provided on enclosing cases having a volume exceeding 200 cubic inches. Cable entrance plates for watertight enclosures and at the top of drip-proof enclosures shall be at least ⅛ inch thick and be fitted with gaskets. Watertight enclosures shall be provided with external feet or lugs for mounting.

§ 111.45-5 Motor overcurrent protection. [Amendment]

6. Section 111.45-5(p) (1) is amended by changing the phrase in the second sentence from "a compensated overcurrent relay" to "an overcurrent relay."

7. Section 111.45-15 is amended to read as follows:

§ 111.45-15 Heater circuits.

(a) Where motors, master switches and similar enclosures, except motor controllers, are fitted with electric heaters located inside the enclosures and energized from a separate circuit, the heater circuits shall be disconnected in the same manner as required for control, interlock and indicator circuits in § 111.45-10(e) (2). In the case of deck machinery, when the location of the motor, master switch, or similar enclosure is remote from the motor and controller disconnect device, a warning sign may be affixed to the unit enclosure warning the operator of the presence of two sources of potential within the unit enclosure and giving the location of the heater circuit disconnect device in lieu of the disconnect arrangement required by § 111.45-10(e) (2). Electric heaters installed within motor controllers and energized from a separate circuit shall be disconnected in the same manner as required by § 111.45-10(e).

Subpart 111.55—Overcurrent Protection

8. Section 111.55-1(g) (1) is amended to read as follows:

§ 111.55-1 Installation of overcurrent protective devices.

(g) *Protection of ship's service generators—(1) General.* Each generator of 25 KW and over, and each generator regardless of size if arranged for parallel operation, shall be protected by an individual trip-free air circuit breaker having inverse time overcurrent and instantaneous trips except that where not more than two generators are connected to a common bus a short time delay trip may be substituted for the instantaneous trip. The time overcurrent device shall be set at a value not exceeding 15 percent either above the full-load rating for continuous rated machines or above the overload rating

for special rated machines. The instantaneous or short time delay trip shall be set at the lowest value which will coordinate with the trip settings of feeder or back-up circuit breakers supplied by the generator. Each generator of less than 25 KW not arranged for parallel operation may be protected by individual fuses in lieu of an individual circuit breaker.

9. Section 111.55-20(c) is amended to read as follows:

§ 111.55-20 Interrupting rating of fuses and circuit breakers.

(c) *Calculation of short-circuit currents.* Unless precise calculations are submitted for review, the maximum short-circuit current of a direct-current system will be assumed to be equal to ten times the combined normal rated current of all generators (including a spare) plus six times the combined normal rated current of all motors which may be in operation simultaneously. On alternating-current systems, the maximum short-circuit current will be assumed to be equal to ten times the combined normal rated current of all generators (including a spare) plus three times the combined normal rated current of all motors which may be in operation simultaneously.

Subpart 111.60—Wiring Methods and Materials

10. Section 111.60-1(e) (1) is amended to read as follows:

§ 111.60-1 Electric cable.

(e) *Current-carrying capacity—(1) General.* The maximum current-carrying capacities of electric lighting and power cables for continuous service are given in Tables 111.60-1(e) (1) (i) and 111.60-1(e) (1) (ii). The maximum current-carrying capacity of interior communication cable is 7.5 amperes.

11. Section 111.60-40(a) is amended by renumbering subparagraphs (5), (6), (7) and (8) to subparagraphs (6), (7), (8) and (9), respectively, and by inserting a new subparagraph (5) reading as follows:

§ 111.60-40 Wiring methods and material for hazardous locations.

(a) *General.* * * *

(5) Explosion-proof switches and switches controlling explosion-proof equipment shall have a pole for each circuit conductor.

Subpart 111.65—Special Requirements for Certain Locations and Systems

12. Section 111.65-50(c) (2) is amended to read as follows:

§ 111.65-50 Special requirements for electric cooking equipment and motor-driven commissary equipment.

(c) *Motor-driven commissary equipment requirements.* * * *

(2) The enclosures of motors and controls shall be either watertight or totally

enclosed or comparable protection provided.

Subpart 111.70—Special Requirements for Tank Vessels

13. Section 111.70-10(c) (4) is amended to read as follows:

§ 111.70-10 Special requirements for tank vessels contracted for on or after November 19, 1955—TB/ALL.

(c) *Installation requirements on tank vessels handling Grade A, B, C, or D liquid cargo.* * * *

(4) *Weather decks.* Motors, their control equipment, and other electrical equipment and installations located on or above the weather decks within 10 feet of the cargo tank openings, cargo pump room doors or ventilation outlets, or cargo tank vent terminations shall be explosion-proof. Explosion-proof equipment installed in locations exposed to the weather shall be watertight or shall be enclosed in watertight housings.

(R.S. 4405, as amended, 4462, as amended; 46 U.S.C. 375, 416. Interpret or apply R.S. 4399, as amended, 4400, as amended, 4417, as amended, 4417a, as amended, 4418, as amended, 4421, as amended, 4426, as amended, 4427, as amended, 4433, as amended, 4453, as amended, 4488, as amended, sec. 14, 29 Stat. 690, as amended, sec. 10, 35 Stat. 428, as amended, 41 Stat. 305, as amended, sec. 5, 49 Stat. 1384, as amended, secs. 1, 2, 49 Stat. 1544, 1545, as amended, sec. 3, 54 Stat. 347, as amended, 68 Stat. 675; 46 U.S.C. 361, 362, 391, 391a, 392, 399, 404, 405, 411, 435, 481, 366, 395, 363, 369, 367, 1333, 50 U.S.C. 198, E.O. 10402, 17 F.R. 9917, 3 CFR, 1952 Supp.)

PART 112—EMERGENCY LIGHTING AND POWER SYSTEM

Part 112.05—General Requirements

Section 112.05-5(c) (3) is amended to read as follows:

§ 112.05-5 Emergency source of supply.

(3) Except for those cables used to connect equipment located in the engine room or boiler room, all cables emanating from the emergency switchboard shall be run so as to avoid penetrating the boundaries of the engine room, boiler room or the uptakes and casings of these spaces. All such cables shall be kept clear of the bulkheads and decks forming these boundaries.

(R.S. 4405, as amended, 4462, as amended; 46 U.S.C. 375, 416. Interpret or apply R.S. 4399, as amended, 4400, as amended, 4417, as amended, 4417a, as amended, 4418, as amended, 4421, as amended, 4426, as amended, 4427, as amended, 4433, as amended, 4453, as amended, 4488, as amended, sec. 14, 29 Stat. 690, as amended, sec. 10, 35 Stat. 428, as amended, 41 Stat. 305, as amended, sec. 5, 49 Stat. 1384, as amended, secs. 1, 2, 49 Stat. 1544, 1545, as amended, sec. 3, 54 Stat. 347, as amended, 68 Stat. 675; 46 U.S.C. 361, 362, 391, 391a, 392, 399, 404, 405, 411, 435, 481, 366, 395, 363, 369, 367, 1333, 50 U.S.C. 198, E.O. 10402, 17 F.R. 9917, 3 CFR, 1952 Supp.)

PART 113—COMMUNICATION AND ALARM SYSTEMS AND EQUIPMENT

Subpart 113.25—General Alarm Systems

1. Section 113.25-15(d) (4) is amended to read as follows:

§ 113.25-15 Detail requirements.

(d) *Electric cable and distribution fittings.* * * *

(4) All fuses employed in a general alarm system shall be 250-volt National Electric Code standard, non-renewable cartridge fuses bearing the approval label of a recognized testing organization.

Subpart 113.30—Sound Powered Telephone and Voice Tube Systems

2. Section 113.30-5(a) (4) is amended to read as follows:

§ 113.30-5 General requirements.

(a) * * *

(4) After steering station, if required.

Subpart 113.65—Whistle Operators

3. Section 113.65-5(c) is amended to read as follows:

§ 113.65-5 General requirements.

(c) Materials and mechanical details shall be in general accordance with the requirements for mechanical telegraphs given in § 113.35-25 except that bronze or stainless steel aircraft type wire rope or other means specifically approved may be used in lieu of the brass wire specified.

(R.S. 4405, as amended, 4462, as amended; 46 U.S.C. 375, 416. Interpret or apply R.S. 4399, as amended, 4400, as amended, 4417, as amended, 4417a, as amended, 4418, as amended, 4421, as amended, 4426, as amended, 4427, as amended, 4433, as amended, 4453, as amended, 4488, as amended, sec. 14, 29 Stat. 690, as amended, sec. 10, 35 Stat. 428, as amended, 41 Stat. 305, as amended, sec. 5, 49 Stat. 1384, as amended, secs. 1, 2, 49 Stat. 1544, 1545, as amended, sec. 3, 54 Stat. 347, as amended, 68 Stat. 675; 46 U.S.C. 361, 362, 391, 391a, 392, 399, 404, 405, 411, 435, 481, 366, 395, 363, 369, 367, 1333, 50 U.S.C. 198, E.O. 10402, 17 F.R. 9917, 3 CFR, 1952 Supp.)

SUBCHAPTER Q—SPECIFICATIONS

PART 160—LIFESAVING EQUIPMENT

Subpart 160.033—Mechanical Disengaging Apparatus, Lifeboat, for Merchant Vessels

Section 160.033-2(c) is amended to read as follows:

§ 160.033-2 General requirements for mechanical disengaging apparatus.

(c) Other types of mechanical disengaging apparatus will be considered for lifeboats fitted on vessels operating on waters other than ocean, coastwise or Great Lakes, or for vessels of 3,000 gross tons and under operating in ocean, coastwise or Great Lakes service.

(R.S. 4405, as amended, 4462, as amended; 46 U.S.C. 375, 416. Interpret or apply R.S. 4417a, as amended, 4426, as amended, 4488, as amended, 4491, as amended, secs. 1, 2, 49 Stat. 1544, 1545, as amended, sec. 3, 54 Stat. 347, as amended, sec. 3, 68 Stat. 675; 46 U.S.C. 391a, 404, 481, 489, 367, 1333, 50 U.S.C. 198, E.O. 10402, 17 F.R. 9917, 3 CFR, 1952 Supp.)

Part 160 is amended by inserting a new Subpart 160.054, consisting of §§ 160.054-1 to 160.054-7, inclusive, reading as follows:

Subpart 160.054—Kits, First-Aid, for Inflatable Life Rafts

Sec.	
160.054-1	Applicable specification.
160.054-2	Type and size.
160.054-3	Construction.
160.054-4	Contents.
160.054-5	Inspections and tests.
160.054-6	Marking.
160.054-7	Procedure for approval.

AUTHORITY: §§ 160.054-1 to 160.054-7 issued under R.S. 4405, as amended, and 4462, as amended; 46 U.S.C. 375, 416. Interpret or apply R.S. 4417a, as amended, R.S. 4488, as amended, 4491, as amended, secs. 1, 2, 49 Stat. 1544, as amended, sec. 3, 54 Stat. 347, sec. 3, 70 Stat. 152, sec. 4, 67 Stat. 462, and sec. 3, 68 Stat. 675; 46 U.S.C. 391a, 481, 489, 367, 1333, 390b, 43 U.S.C. 1333, 50 U.S.C. 198.

§ 160.054-1 Applicable specification.

(a) *Specification.* The following specification of the issue in effect on the date first aid kits are manufactured forms a part of this subpart:

(1) Coast Guard specification 160.041—Kits, First-Aid.

TABLE 160.054-4(b)—ITEMS FOR FIRST-AID KIT

Item	No. per pkg.	Size of pkg.	No. of pkgs.
Bandage compress—4 inches.	1.	Single.	1
Bandage compress—2 inches.	4.	Single.	1
Waterproof adhesive compress—1 inch.	16.	Single.	1
Eye dressing packet, ½ oz. Ophthalmic ointment, adhesive strips, cotton pads.	3.	Single.	1
Bandage, gauze, compressed, 2 inches x 6 yards.	2.	Single.	1
Tourniquet, forceps, scissors, 12 safety pins.	1, 1, 1, and 12, respectively.	Double.	1
Wire splint.	1.	Single.	1
Ammonia inhalants.	10.	Single.	1
Iodine applicators, (½ ml swab type).	10.	Single.	1
Aspirin, phenacetin and caffeine compound, 6½ Gr. tablets, vials of 20.	2.	Single.	1
Sterile petrolatum gauze, 3 inches by 18 inches.	4.	Single.	1

(c) *Instructions.* Instructions for the use of the contents of the first-aid kit shall be printed in legible type and either shall be placed inside the container or printed on the container in waterproof ink. The instructions for the use of the contents are as indicated in Specification Subpart 160.041, except that the triangular bandage is omitted.

§ 160.054-5 Inspections and tests.

(a) *General.* First-aid kits specified by this subpart are not inspected at regularly scheduled factory inspections of production lots, but the Commander of the Coast Guard District in which the kits are manufactured may detail an inspector at any time to visit any place where approved kits are manufactured to check materials and construction methods and to conduct such examinations and tests as may be required to satisfy himself that the first-aid kits are being manufactured in accordance with the requirements of this subpart and in accordance with the manufacturer's

(b) *Copies on file.* Copies of the above specification shall be kept on file by the manufacturer, together with the approved plans and certificate of approval.

§ 160.054-2 Type and size.

(a) *Type.* First-aid kits covered by this specification shall be of the watertight type. Alternate arrangements of materials meeting the performance requirements of this specification will be given special consideration.

(b) *Size.* First-aid kits shall be of a size adequate for packing 12 standard single cartons of the kind indicated in specification Subpart 160.041.

§ 160.054-3 Construction.

(a) *Construction.* The container shall be constructed of tough transparent material, not less than .008 inch nominal thickness, properly sealed around three edges, and having the fourth edge closed in such manner that it is capable of being opened and reclosed watertight. The re-openable closure may be a plastic zip seal closure without slider, or other means which meet the test requirements of § 160.054-5.

§ 160.054-4 Contents.

(a) *Individual cartons.* Cartons and their contents shall be the type indicated in Specification Subpart 160.041.

(b) *Items.* The items contained in first-aid kit shall be as listed in Table 160.054-4(b).

approval number, and the words "First-Aid Kit—For Inflatable Life Rafts". If the means for opening and re-closing are not self-evident, suitable directions shall be marked along the closure; such as, for the zip seal closure, an arrow, with the words "To Open, Lift by Thumb Nail", and "To Close, Press Together Full Length". The marking may be applied to the container by the silk screen process, using a suitable ink or paint, or may be applied by other means shown to be acceptable.

§ 160.054-7 Procedure for approval.

(a) *General.* First-aid kits for use in conjunction with lifesaving equipment on board merchant vessels are approved only by the Commandant, U.S. Coast Guard, Washington 25, D.C. Correspondence pertaining to the subject matter of this specification shall be addressed to the Commander of the Coast Guard District in which the kits are manufactured.

(b) *Manufacturer's plans.* In order to obtain approval, submit detailed plans showing fully the construction, material specification, arrangement, and list of contents to the Commander of the Coast Guard District in which the factory is located. Each drawing shall have an identifying number, and date, and shall indicate the manufacturer's symbol, trade name, or other identification for the first-aid kit. At the time of selection of the pre-approval sample, the manufacturer shall furnish the inspector four copies of all plans and specifications, corrected as may be required, for forwarding to the Commandant.

(c) *Pre-approval sample.* After the first drawings have been examined and found to appear satisfactory, a marine inspector will be detailed to the factory to observe the manufacturing facilities and methods and to obtain two samples, complete with contents which will be forwarded, prepaid by the manufacturer, to the Commandant for the necessary conditioning and tests in accordance with § 160.054-5 to determine the suitability of the first-aid kit for use in conjunction with lifesaving equipment on board merchant vessels. The cost of the tests shall be borne by the manufacturer.

Part 160 is amended by inserting a new Subpart 160.055, consisting of §§ 160.055-1 to 160.055-9, inclusive, reading as follows:

Subpart 160.055—Life Preservers, Unicellular Plastic Foam, Adult and Child, for Merchant Vessels

Sec.	
160.055-1	Applicable specifications and plans.
160.055-2	Types and models.
160.055-3	Materials—Type I life preservers.
160.055-4	Materials—Type II life preservers.
160.055-5	Construction—Type I life preservers.
160.055-6	Construction—Type II life preservers.
160.055-7	Sampling, tests, and inspections—Types I and II life preservers.
160.055-8	Marking.
160.055-9	Procedure for approval—Types I and II life preservers.

AUTHORITY: §§ 160.055-1 to 160.055-9 issued under R.S. 4405, as amended, and 4462, as amended; 46 U.S.C. 375, 416. Interpret or apply R.S. 4417a, as amended, 4426, as amended, 4488, as amended, 4491, as amended, secs. 1, 2, 49 Stat. 1544, as amended, secs. 6, 17, 54 Stat. 164, as amended, 166, as amended, sec. 3, 54 Stat. 347, as amended, sec. 3, 70 Stat. 152, sec. 4, 67 Stat. 462, and sec. 3, 68 Stat. 675; 46 U.S.C. 391a, 404, 481, 489, 367, 526e, 526p, 1333, 390b, 43 U.S.C. 1333, 50 U.S.C. 198; E.O. 10402, 17 F.R. 9917; 3 CFR, 1952 Supp.

§ 160.055-1 Applicable specifications and plans.

(a) *Specifications.* The following specifications and standards, of the issue in effect on the date unicellular plastic foam life preservers are manufactured, form a part of this subpart:

(1) Military specifications:

MIL-T-7807—Thread, Nylon.
MIL-P-12420 (QMC)—Plastic, Expanded, Unicellular, Elastomeric.
MIL-P-15280—Plastic Foam, Unicellular, Buoyant, Sheet and Molded Shape.
MIL-W-17337—Webbing, Woven, Nylon.
MIL-C-20696—Cloth, Coated, Nylon, Waterproof.

(2) Federal specifications:

CCC-T-191b—Textile Test Methods.
CCC-A-700b—Artificial Leather, Cloth, Coated, Vinyl Resin (Upholstery).

(3) Federal standard:

Federal Standard No. 595—Color.

(4) ASTM specifications:

D413—Adhesion of Vulcanized Rubber (Friction Test).
D570—Water Absorption of Plastics.
D882—Tensile Properties of Thin Plastic Sheets and Films.
D1004—Tear Resistance of Plastic Film and Sheeting.

(b) *Plans.* The following plans, of the issue in effect on the date unicellular plastic foam life preservers are manufactured, form a part of this subpart:

Dwg. No. 160.055-1:

Sheet 1, Rev. 1—Construction and Arrangement, Model 61.

Sheet 2, Rev. 1—Construction and Arrangement, Model 65.

(c) *Copies on file.* Copies of the specifications and plans referred to in this section shall be kept on file by the manufacturer, together with the certificate of approval. The Coast Guard plans may be obtained upon request from the Commandant, United States Coast Guard, Washington 25, D.C. The Military Specifications may be obtained from the Bureau of Supplies and Accounts, Department of the Navy, Washington 25, D.C. The Federal Specifications and the Federal Standard may be purchased from the General Services Administration, Business Service Center, Washington 25, D.C. The ASTM Specifications may be purchased from the American Society for Testing Materials, 1916 Race Street, Philadelphia 3, Pa.

§ 160.055-2 Types and models.

(a) Life preservers specified by this subpart shall be of the following types and models:

Type I—Standard:
Model 61—Adult.
Model 65—Child.

Type II—Non-standard:

Model 1—Adult.

Model 1—Child.

§ 160.055-3 Materials—Type I life preservers.

(a) *General.* The requirements for materials specified in this section are minimum requirements, and consideration will be given to the use of alternate materials in lieu of those specified. Detailed technical data and samples of all proposed alternate materials shall be submitted for approval prior to being incorporated in the finished product.

(b) *Unicellular plastic foam.* The unicellular plastic foam shall be all new material complying with the requirements of Specification MIL-P-15280 for Type IA foam, and shall not be materially affected by oil or oil products. For each lot of plastic foam used the life preserver manufacturer shall obtain from the manufacturer of the foam a certification that it complies with these requirements.

(c) *Adhesive.* The adhesive shall be an all-purpose waterproof vinyl type. (Minnesota Mining EC-870 or EC-1070, U.S. Rubber M-6256, or equal)

(d) *Waist band and hinge reinforcing fabric.* The waist band and hinge reinforcing fabric shall be Type II, Class 2, waterproof vinyl-coated nylon cloth in accordance with the requirements of Specification MIL-C-20696.

(e) *Webbing.* The body strap shall be 1½" wide nylon webbing in accordance with the requirements of Specification MIL-W-17337.

(f) *Hardware.* All hardware shall be brass, bronze, or stainless steel, and of the approximate size indicated by the drawings. Steel hardware, protected against corrosion by plating, is not acceptable. Snap hook springs shall be phosphor bronze or other suitable corrosion-resistant material. Dee ring and snap hook ends shall be welded or brazed. The complete body strap assembly shall have a minimum breaking strength of 360 pounds.

(g) *Coating.* The coating for the plastic foam shall be a liquid elastomeric vinyl compound applied by the hot dip method. The coating shall be International Orange in color (Color No. 12197 of Federal Standard 595) and shall meet the following requirements in Table 160.055-3(g):

TABLE 160.055-3(g)

Property	Test method	Requirement
Tensile strength	ASTM-D882, Method B, ½" dumbbell die	1200 p.s.i., min.
Ultimate elongation	ASTM-D882, Method B, ½" dumbbell die	320 percent min.
Tear resistance	ASTM-D1004, Constant Elongation Machine	90 lb./in., min.
Abrasion resistance	FS CCC-T-191b, Method 5304, No. 8 cotton duck, 6 lb. tension, 2 lb. pressure	100,000 double rubs.
Blocking	FS CCC-T-191b, Method 5872, 30 mins. at 180° F., ¼ p.s.i.	No blocking.
Accelerated weathering	FS CCC-T-191b, Method 5670, 120 hrs.	Color change—very slight. Cracking—none. Flexibility—no change.
Plasticizer heat loss	FS CCC-A-700b, para. 4.4.4, 48 hrs. at 221° F.	8 percent, max.
Adhesion to foam	ASTM-D413, machine method, 12"/min., 1" strip.	
Tensile pull:		
Film to foam skin		4 lb./in., min.
Film to foam (no skin)		2 lb./in., min.
Water absorption	ASTM-D570, 24 hrs. at 70° F.	0.5 percent, max.
Cold crack (unsupported film) 0° F.	MIL-P-12420 (QMC), para. 4.4.10.1	No cracking.

(h) *Thread.* The thread shall be Class 1, Type I or II, Size E nylon thread in accordance with the requirements of Specification MIL-T-7807.

§ 160.055-4 Materials—Type II life preservers.

(a) *General.* All materials used in non-standard Type II life preservers shall be at least equivalent to those specified in § 160.055-3 for standard Type I life preservers.

§ 160.055-5 Construction—Type I life preservers.

(a) *General.* This specification covers life preservers which essentially consist of laminated sheets of plastic foam buoyant material arranged and distributed so as to provide the flotation characteristics and buoyancy required to hold the wearer in an upright or slightly backward position with head and face clear of the water. The life preservers are also arranged so as to be reversible and are fitted with straps and hardware to provide proper adjustment and fit to the bodies of various size wearers.

(b) *Buoyant body.* The buoyant body of the life preserver shall be made from two sheets of foam cut so as to have finished dimensions after coating in accordance with the pattern shown on Dwg. 160.055-1, Sheet 1, for adult size and Sheet 2, for child size. The waist band and the hinge reinforcing fabric shall be laminated between the two sheets of foam on the centerline of the buoyant body.

(c) *Coating.* After all cutting and shaping of the buoyant body and installation of the waist band, hinge reinforcing strips, and body strap attachments, the entire body of the life preserver shall be coated to a minimum thickness of 0.010 inch with a liquid vinyl coating material of the type described in § 160.055-3(g).

(d) *Body strap.* After the coating on the buoyant body of the life preserver is fully cured, the body strap shall be attached as shown on the drawings.

(e) *Stitching.* All stitching shall be a short lock stitch, and there shall be not

¹ Model designations for Type II, Non-standard life preservers to be assigned by individual manufacturers.

less than 9 nor more than 11 stitches to the inch.

(f) *Workmanship.* Life preservers shall be of first-class workmanship, and shall be free from any defects materially affecting their appearance or serviceability.

§ 160.055-6 Construction—Type II life preservers.

(a) *General.* Construction methods used in non-standard Type II life preservers shall be at least equivalent to those specified in § 160.055-5 for standard Type I life preservers. Type II life preservers shall also meet the additional requirements specified below.

(b) *Sizes.* Type II life preservers shall be constructed in sizes which correspond to those specified in § 160.055-2 for Type I life preservers, i.e., adult size and child size.

(c) *Volume of buoyant material.* Adult size Type II life preservers shall contain not less than 700 cubic inches of plastic foam buoyant material; and child size not less than 350 cubic inches.

(d) *Arrangement of buoyant material.* The buoyant material in Type II life preservers shall be located and arranged so as to hold the wearer in an upright or backward position with head and face out of water. Type II life preservers shall show no tendency to turn a wearer face downward in the water.

(e) *Adjustment, fit, and donning.* Type II life preservers shall be reversible and capable of being readily and easily adjusted to fit the range of wearers for which designed. Donning time shall compare favorably with that of standard Type I life preservers.

§ 160.055-7 Sampling, tests, and inspections—Types I and II life preservers.

(a) *General.* When production is to commence on life preservers, the manufacturer shall notify the Officer in Charge, Marine Inspection, U.S. Coast Guard, of the inspection zone in which the factory is located in sufficient time for him to assign a Marine Inspector to the plant to observe production methods and to conduct any inspections or tests which may be deemed advisable. Manufacturers of approved life preservers shall maintain quality control of the materials used, manufacturing operations, and the finished product so as to meet the requirements of this specification. When a lot of life preservers is presented for Coast Guard inspection, it is expected that the manufacturer will previously have taken all ordinary precautions to assure himself that the life preservers are in full compliance with the requirements of this specification. The Coast Guard inspections and tests are not intended to replace, or be a substitute for, full inspections and tests by the manufacturer to maintain the quality of his product. The Coast Guard Marine Inspector shall be admitted to any place in the factory where work is done on the life preservers or on component materials or parts. Samples of materials entering into construction may be taken by the inspector and tests made for compliance with the applicable requirements.

(b) *Lot size and sampling.* (1) A lot shall consist of not more than 500 life preservers. A new lot shall be started with any change or modification in materials used or manufactured methods employed. When a lot of life preservers is ready for inspection, the manufacturer shall notify the Officer in Charge, Marine Inspection, U.S. Coast Guard, of the inspection zone in which the factory is located, who will assign a marine inspector to the plant for the purpose of making the necessary tests and inspections. From each lot of life preservers the marine inspector shall select samples in accordance with the following table to be tested for buoyancy in accordance with paragraph (d) of this section:

TABLE 160.055-7(b)(1)—SAMPLING FOR BUOYANCY TESTS

Lot size	No. of life preservers in sample
100 and under	1
101 to 200	2
201 to 300	3
301 to 500	4

(2) For a lot next succeeding one from which any life preserver failed the buoyancy test, the sample shall consist of not less than ten specimen life preservers to be tested for buoyancy in accordance with paragraph (d) of this section.

(c) *Test facilities.* The manufacturer shall provide a suitable place and the necessary apparatus for the use of the inspector in conducting tests to determine compliance of life preservers with this specification. The apparatus shall include accurate spring scales of adequate capacity, weighted wire mesh baskets, and a test tank or tanks which can be locked or sealed in such manner as to preclude disturbance of life preservers undergoing test or change in water level.

(d) *Buoyancy test.* Securely attach the spring scale in a position directly over the test tank. Suspend the weighted wire basket from the scale in such a manner that the basket may be weighed while it is completely under water. In order to measure the actual buoyancy provided by the life preserver, the underwater weight of the empty basket should exceed the buoyancy of the life preserver. To obtain the buoyancy of the life preserver, proceed as follows:

(1) Weigh the empty wire basket under water.

(2) Place the life preserver inside the basket, and submerge it so that the top of the basket is at least 2 inches below the surface of the water. Allow the life preserver to remain submerged for 24 hours. The tank shall be locked or sealed during this 24-hour submergence period. It is important that after the life preserver has once been submerged it shall remain submerged for the duration of the test, and at no time during the course of the test shall it be removed from the tank or otherwise exposed to air.

(3) After the 24-hour submergence period unlock or unseal the tank and weigh the wire basket with the life

preserver inside while both are still under water.

(4) The buoyancy is computed as (1) minus (3).

(e) *Buoyancy required.* Adult size life preservers shall provide not less than 22 pounds buoyancy in fresh water, and child size life preservers shall provide not less than 11 pounds buoyancy.

(f) *Lot inspection.* If the sample life preserver or preservers meet the buoyancy requirement, the inspector shall carefully inspect individually each of the life preservers in the lot, making such examinations and tests as are necessary to satisfy himself that the life preservers have been manufactured according to the applicable requirements. Non-conforming units shall be eliminated. The manufacturer shall provide a well lighted place equipped with a suitable smooth top table for use by the inspector, and shall provide labor for all handling of life preservers requisite to lot inspection.

(g) *Lot acceptance.* When the inspector has satisfied himself that the life preservers in the lot are of a type officially approved in the name of the company, and that such life preservers meet the applicable requirements, they shall be plainly marked in waterproof vinyl ink with the words, "Inspected and Passed, (Date), (Port), (Inspector's Initials), USCG".

(h) *Lot rejection.* If any sample life preserver fails the buoyancy test, ten additional specimen life preservers shall be selected from the lot and tested for buoyancy. If all the ten additional specimen life preservers pass the buoyancy test, the lot shall be considered for lot inspection as set forth in paragraph 160.055-7(f) of this section. If any one of the ten additional specimen life preservers fails the buoyancy test, the lot shall be rejected. If, in the lot inspection, three or more non-conforming units are eliminated for the same kind of defect, lot inspection shall be discontinued until such time as the manufacturer has inspected the remainder of the lot and eliminated or corrected any additional units having the same kind of defect. Non-conforming units which are eliminated in the lot inspection may be re-submitted for inspection, provided that all defects have been corrected to the satisfaction of the inspector. When permitted by the Commander of the Coast Guard District, rejected lots may be re-worked by the manufacturer to correct the deficiency for which they were rejected and to eliminate all non-conforming units, following which the remainder of the lot may be re-submitted for official testing and inspection. Life preservers from rejected lots may not, unless subsequently accepted, be sold or offered for sale under representation as being in compliance with this specification or as being approved for use on merchant vessels or motorboats.

(i) *Additional tests for Type II life preservers.* For Type II life preservers additional tests such as tests to determine performance in the water, extended service test to determine suitability of materials, tests to determine comparative donning time and ease of adjustment, and such other tests as, may be

necessary to determine equivalence to the standard Type I life preservers may be required prior to approval.

§ 160.055-8 Marking.

(a) *General.* Each life preserver shall be plainly marked across the front in letters not less than $\frac{3}{4}$ " in height with the word, "ADULT" or "CHILD", as the case may be, and in letters $\frac{1}{4}$ " to $\frac{3}{8}$ " in height with, "Model No. -----, Plastic Foam, (Manufacturer's Name and address), U.S.C.G. Approval No. -----". The marking shall be applied by silk screening with vinyl paint.

§ 160.055-9 Procedure for approval—Types I and II life preservers.

(a) *General.* Life preservers for use on merchant vessels or motorboats are approved only by the Commandant, U.S. Coast Guard, Washington 25, D.C. Each model life preserver is considered separately. Application for approval and correspondence pertaining to the subject matter of this specification shall be addressed to the Commander of the Coast Guard District in which the factory is located.

(b) *Approval of Type I life preservers.* Upon receipt of an application for approval of standard Type I life preservers, the Commander of the Coast Guard District will detail a marine inspector to the factory to observe the production facilities and manufacturing methods and to select from not less than 10 life preservers already manufactured not less than three of each model for examination and test for compliance with the requirements of this specification. A copy of the marine inspector's report, together with a fourth specimen life preserver selected from those already manufactured, will be forwarded to the Commandant, and if satisfactory, an official approval number will be assigned to the manufacturer for the Type I life preserver submitted.

(c) *Approval of Type II life preservers.* Upon receipt of an application for approval of non-standard Type II life preservers, the Commander of the Coast Guard District will detail a marine inspector to the factory to observe the production facilities and manufacturing methods and to select three sample life preservers of each model for which approval is desired. The sample life preservers will be forwarded to the Commandant, together with a copy of the marine inspector's report. At the time the pre-approval samples are selected, the manufacturer shall also submit to the marine inspector four prints each of fully-dimensioned, full-scale drawings showing all details of construction of the sample life preservers submitted, and four copies of a bill of material showing all materials used in the construction of the life preservers. After examination of the samples, drawings, and other material submitted, the manufacturer will be advised of any changes or corrections considered necessary, and any additional samples or other material required. If the samples, drawings, and other material are found satisfactory, tests of the samples will be authorized. If the results of the tests are satisfactory, an official approval number will be assigned

to the manufacturer for the Type II life preserver submitted.

PART 162—ENGINEERING EQUIPMENT

Part 162 is amended by adding a new Subpart 162.028, consisting of §§ 162.028-1 to 162.028-8, inclusive, reading as follows:

Subpart 162.028—Extinguishers, Fire, Portable, Marine Type

Sec.	
162.028-1	Applicable specifications.
162.028-2	Classification.
162.028-3	Requirements.
162.028-4	Marine type label.
162.028-5	Recognized laboratory.
162.028-6	Examinations, tests, and inspections.
162.028-7	Procedure for listing and labeling.
162.028-8	Termination of listing or labeling.

AUTHORITY: §§ 162.028-1 to 162.028-8 issued under R.S. 4405, as amended, and 4462, as amended; 46 U.S.C. 375, 416. Interpret or apply R.S. 4417a, as amended, 4426, as amended, 4488, as amended, 4491, as amended, secs. 1, 2, 49 Stat. 1544, 1545, as amended, secs. 8, 17, 54 Stat. 165, as amended, 166, as amended, sec. 3, 54 Stat. 347, as amended, sec. 3, 70 Stat. 152, sec. 4, 67 Stat. 462, and sec. 3, 68 Stat. 675; 46 U.S.C. 391a, 404, 481, 489, 367, 526g, 526p, 1333, 390b, 43 U.S.C. 1333, 50 U.S.C. 198; E.O. 10402, 17 F.R. 9917; 3 CFR, 1952 Supp.

§ 162.028-1 Applicable specifications.

(a) There are no other Coast Guard specifications applicable to this subpart.

§ 162.028-2 Classification.

(a) Every portable fire extinguisher shall be classified as to type and size as specified in § 76.50-5 (Subchapter H—Passenger Vessels) of this chapter.

§ 162.028-3 Requirements.

(a) *General.* Every portable fire extinguisher shall conform to the requirements for listing and labeling by a recognized laboratory, and shall be of such design, materials, and construction as to meet the requirements specified in this section.

(b) *Design and weight.* Every portable fire extinguisher shall be self-contained, i.e., when charged it shall not require any additional source of extinguishing agent or expellant energy for its operation during the time it is being discharged, and it shall weigh not more than 55 pounds, maximum, when fully charged.

(c) *Materials.* Materials used for exposed working parts shall be corrosion-resistant to salt water and spray. Materials used for other exposed parts shall be either corrosion-resistant, or shall be protected by a suitable corrosion-resistant coating. Materials which are considered corrosion-resistant are copper, brass, bronze, certain copper-nickel alloys, certain alloys of aluminum, certain plastics, and certain stainless steels. Coatings which are considered to provide suitable corrosion-resistance for exposed non-working parts are zinc, lead, chrome, nickel, or cadmium plating in suitable thicknesses, or suitable painting systems such as bonderizing plus zinc chromate primer before applying finish coats of enamel. The use of dissimilar

metals in combination shall be avoided wherever possible, but when such contacts are necessary, provisions such as bushings, gaskets, or O-rings shall be employed to prevent such deleterious effects as galvanic corrosion, freezing or buckling of parts, and loosening or tightening of joints due to differences in thermal expansion. In event of question as to the suitability of the materials used, the salt spray test described in paragraph 162.028-3(c)(1) shall be conducted.

(1) *Salt spray test.* Expose the complete, fully charged specimen extinguisher to a 20 percent sodium-chloride solution spray at a temperature of 95° F. (35° C.) for a period of 240 hours. The procedures and apparatus described in Method 811 of Federal Test Method Standard No. 151 are suitable. Alternate methods may be found satisfactory if the results are comparable. Following the test, allow the specimen extinguisher to air dry for a period of 48 hours. Following the air drying, the specimen extinguisher shall be capable of being operated satisfactorily without undue effort or special procedures on the part of the operator, and it shall be capable of being recharged satisfactorily in accordance with the directions on the name plate without the use of extraordinary tools or procedures.

(d) *Bursting pressure.* For all extinguishers except the carbon dioxide type, the hydrostatic bursting pressure of the extinguisher and component parts which are subjected to pressure, exclusive of the hose, shall be at least five times the maximum working pressure during discharge of the extinguisher at approximately 70° F. During this test, a pressure gauge if fitted will usually be removed to avoid breaking the indicating mechanism, but the gauge shall be capable of withstanding the same test without leaking.

(e) *Vibration resistance.* The complete, fully charged specimen extinguisher, secured in its bracket which is mounted to the test machine, shall be tested in accordance with sections 3.1 through 3.1.4.4 of Military Standard MIL-STD-167. Following this test, there shall be no obvious failures of parts or assemblies, and the specimen shall be capable of being operated satisfactorily without undue effort or special procedures on the part of the operator, and the specimen shall be capable of being recharged satisfactorily in accordance with the directions on the name plate without the use of extraordinary tools or procedures.

(f) *Additional marking.* As part of the usual name plate marking, there shall be included the rated capacity of the extinguisher in gallons, quarts, or pounds, and complete instructions for recharging, including the identification of the recharge materials and of the pressure cartridge if one is used.

(1) For extinguishers not readily recharged on shipboard using packaged recharge materials supplies by the manufacturer for the purpose, such as carbon dioxide type or stored pressure type extinguishers, the name plate marking may omit the instructions for recharging, but it shall include either a list of

recharge stations or reference to an attached list of agents authorized by the manufacturer to recharge the extinguisher. The list of authorized recharging agents shall be contained in a durable envelope of water-resistant material which is attached to the extinguisher by a corrosion-resistant metal wire, ring, hook, or chain.

(2) For extinguishers which are not ordinarily discharged or opened during the regular maintenance inspections and tests, the weight of the fully charged extinguisher shall be die-stamped, embossed, or cast in a conspicuous location on the name plate, valve body, or shell of the extinguisher.

(3) Pasted-on type, paper or decalomania labels are not acceptable for any of the required extinguisher marking.

(4) For stored pressure type or cartridge operated type water or antifreeze portable fire extinguishers, each extinguished name plate shall be marked to indicate whether the extinguisher is to be filled with plain water or with antifreeze solution. Combination type name plates showing the charge may be either plain water or antifreeze solution will not be permitted.

(5) Recharge packages shall be legibly marked with the name of the recharge and the capacity of contents in gallons, quarts, or pounds, in addition to the usual recharge package marking. Recharge pressure cartridges shall, in addition to the usual marking, also be plainly marked to show the distinctive identifying designation of the cartridge.

(g) *Mounting bracket.* Every portable fire extinguisher shall be supplied with a suitable bracket which will hold the extinguisher securely in its stowage location on vessels or boats, and which is arranged to provide quick and positive release of the extinguisher for immediate use.

(h) *Carbon dioxide type.* Every carbon dioxide type extinguisher shall be fitted with a valve which will withstand a minimum bursting pressure of 6,000 p.s.i., and a discharge hose or tube which will withstand a minimum bursting pressure of 5,000 p.s.i. The hose shall be constructed with either a wire braid or other conducting material for conducting static charges occurring at the discharge nozzle back to the body of the extinguisher.

(i) *Chemical foam type.* Every chemical foam type portable fire extinguisher shall be fitted with a safety relief device set to relieve the internal pressure between 100 and 200 p.s.i.g.

(j) *Dry chemical type.* Every dry chemical type portable fire extinguisher of more than five pounds nominal capacity of charge shall contain dry chemical of the foam compatible type, i.e., dry chemical which has been found to be compatible with mechanical foams used aboard vessels.

(k) *Toxic extinguishing agents.* Every portable fire extinguisher shall contain only agents which qualify for the Underwriters' Laboratories, Inc., toxicity rating of Group 5 or Group 6, and which in normal fire extinguishing use do not generate decomposition products in concentrations hazardous to life.

(l) *Gauge.* Every pressure gauge used on a portable fire extinguisher shall have an accuracy of at least 2 percent of the scale range for the middle half of the scale conforming to ASME Grade B commercial accuracy. The gauge when new shall be watertight, i.e., with the connection capped or plugged, no water shall penetrate to the interior of the case during submergence one foot below the surface of water for a period of two hours. The gauge shall be constructed of corrosion-resistant materials, so that the pointer or face lettering will not be obliterated by the action of salt water if some leakage should occur after rough handling or extended periods of service. The gauge, when attached to the fire extinguisher, shall pass the salt spray and vibration tests prescribed by § 162.028-3 (c) (1) and (e).

(m) *Fire tests.* In addition to the usual fire tests conducted to determine the suitability and adequacy of portable fire extinguishers, additional fire tests, such as those described in National Bureau of Standards Building Materials and Structures Report 150, issued June 14, 1957, may be employed in determining the suitability for "marine type" listing and labeling.

(n) *Additional tests.* Every portable extinguisher may be additionally examined and tested to establish its reliability and effectiveness in accordance with the intent of this specification for a "marine type" portable fire extinguisher when considered necessary by the Coast Guard or by the recognized laboratory.

§ 162.028-4 Marine type label.

(a) In addition to all other marking, every portable extinguisher shall bear a label containing the "marine type" inspection manifest issued by a recognized laboratory. This label will include the classification of the extinguisher in accordance with the Coast Guard classification system, thus: "U.S.C.G. Type -----, Size -----"

(b) All such labels are to be obtained only from the recognized laboratory and will remain under its control until attached to product found acceptable under its inspection and labeling program.

§ 162.028-5 Recognized laboratory.

(a) A recognized laboratory is one which is regularly engaged in the examination, testing, and evaluation of portable fire extinguishers; which has an established factory inspection, listing, and labeling program; and which has special standards for listing and labeling as a "marine type" portable fire extinguisher acceptable to the Commandant as approved for use on merchant vessels and motorboats. The following laboratories are recognized, and the portable fire extinguishers bearing their "marine type" labels are approved for use on merchant vessels and motorboats:

(1) Underwriters' Laboratories, Inc., mailing address: P.O. Box 247, Northbrook, Illinois.

§ 162.028-6 Examinations, tests, and inspections.

(a) Full examinations, tests, and inspections to determine the suitability of a product for listing and labeling, and to

determine conformance of labeled product to the applicable requirements are conducted by the recognized laboratory. Whenever any work is being done on components or the assembly of such product, the manufacturer shall notify the recognized laboratory in order that an inspector may be assigned to the factory to conduct such examinations, inspections, and tests as to satisfy himself that the quality assurance program of the manufacturer is satisfactory, and that the labeled product is in conformance with the applicable requirements.

(b) Manufacturers of listed or labeled marine type portable fire extinguishers shall maintain quality control of the materials used, manufacturing methods, and the finished product so as to meet the applicable requirements, and shall make sufficient inspections and tests of representative samples of the extinguishers and various components produced to maintain the quality of the finished product. Records of tests conducted by the manufacturer shall be made available to the laboratory inspector or to the merchant marine inspector, or both, for review upon request.

(c) Follow-up check tests, examinations, and inspections of product listed and labeled as a "marine type" portable fire extinguisher acceptable to the Commandant as approved for use on merchant vessels and motorboats may be conducted by the Coast Guard, as well as by the recognized laboratory.

(d) The laboratory inspector, or the Coast Guard marine inspector assigned by the Commander of the District in which the factory is located, or both, shall be admitted to any place in the factory where work is being done on listed or labeled product, and either or both inspectors may take samples of parts or materials entering into construction, or final assemblies, for further examinations, inspections or tests. The manufacturer shall provide a suitable place and the apparatus necessary for the performance of the tests which are done at the place of manufacture.

§ 162.028-7 Procedure for listing and labeling.

(a) Manufacturers having models of extinguishers which they believe are suitable for marine service may make application for listing and labeling of such product as a "marine type" portable fire extinguisher which will be acceptable to the Commandant as approved for use on merchant vessels and motorboats, by addressing a request directly to a recognized laboratory. The laboratory will inform the submitter as to the requirements for inspections, examinations, and testing necessary for such listing and labeling. All costs in connection with the examinations, tests, inspections, listing, and labeling are payable by the manufacturer.

§ 162.028-8 Termination of listing or labeling.

(a) Listing or labeling as a marine type portable fire extinguisher acceptable to the Commandant as approved for use on inspected vessels and motorboats, may be terminated, withdrawn, cancelled, or suspended by written notice to

the recognized laboratory from the Commandant, or by written notice to the manufacturer from the recognized laboratory or from the Commandant, under the following conditions:

(1) When the manufacturer does not desire to retain the service.

(2) When the listed product is no longer being manufactured.

(3) When the manufacturer's own program does not provide suitable assurance of the quality of the listed or labeled product being manufactured.

(4) When the product manufactured no longer conforms to the current applicable requirements.

SUBCHAPTER R—NAUTICAL SCHOOLS PART 167—PUBLIC NAUTICAL SCHOOL SHIPS

Subpart 167.35—Lifesaving Equipment

1. Section 167.35-1 is amended to read as follows:

§ 167.35-1 Use of approved lifesaving equipment.

(a) Lifeboats, lifeboat disengaging apparatus, life rafts, life preservers, or other lifesaving equipment which conform to the specifications of the Navy or Coast Guard, or their approved equivalent, may be accepted for use on nautical school ships, but on or before July 1, 1963, all kapok and fibrous glass life preservers which do not have plastic-covered pad inserts shall be removed from service.

2. Subpart 167.35 is amended by inserting after § 167.35-1 a new § 167.35-2, reading as follows:

§ 167.35-2 Inflatable life rafts.

(a) On all vessels of less than 3,000 gross tons, except those required to meet the standards of the International Convention for Safety of Life at Sea, 1948, the Officer in Charge, Marine Inspection, upon request of the master, owner or agent, may permit substitution of approved inflatable life rafts for lifeboats. The criteria to be used by the Officer in Charge, Marine Inspection, in determining substitutions to be permitted will be in accordance with substitutions per-

mitted in Subchapter H (Passenger Vessels) of this chapter.

(b) Inflatable life rafts shall be stowed in such a manner that they will float free in the event of the vessel sinking. Stowage and arrangements will be to the satisfaction of the Officer in Charge, Marine Inspection.

(c) Inflatable life rafts shall be serviced at an approved service facility every 12 months or not later than next vessel inspection, provided total time since date of last servicing does not exceed 15 months.

NOTE: After the raft has been satisfactorily serviced in the presence of a marine inspector, the raft is repacked and sealed and the carrying case stamped "PASSED" together with the date, port, and the marine inspector's initials.

(d) Inflatable life rafts shall be equipped in accordance with Subpart 160.051 of Subchapter Q (Specifications) of this chapter.

(R.S. 4405, as amended; 46 U.S.C. 375. Interpret or apply R.S. 4417, as amended, 4418, as amended, 4426, as amended, 4428-4434, as amended, 4450, as amended, 4488, as amended, 4491, as amended, 41 Stat. 305, as amended, secs. 1, 2, 49 Stat. 1544, as amended, secs. 1-22, 54 Stat. 163-167, as amended, sec. 3, 68 Stat. 675; 46 U.S.C. 391, 392, 404, 406-412, 239, 481, 489, 363, 367, 526-526u, 50 U.S.C. 198; E.O. 10402, 17 F.R. 9917, 3 CFR, 1952 Supp.)

Subpart 167.45—Special Fire-Fighting and Fire Prevention Requirements

Section 167.45-5 is amended by adding a new paragraph (g) reading as follows:

§ 167.45-5 Steam fire pumps or their equivalent.

(g) All lined and unlined hose installed after January 1, 1961, shall be of fire hose quality, in conformance with Underwriters' Laboratories, Inc., Standard 18 or 19, or Federal Specification JJ-H-571 or ZZ-H-451a. Hose which bears the label of Underwriters' Laboratories, Inc., as inspected lined or unlined fire hose will be accepted as conforming to this requirement.

(R.S. 4405, as amended; 46 U.S.C. 375. Interpret or apply R.S. 4417, as amended, 4418, as amended, 4426, as amended, 4428-4434, as amended, 4450, as amended, 4488, as amended, 4491, as amended, 41 Stat. 305, as amended,

ed, secs. 1, 2, 49 Stat. 1544, as amended, secs. 1-22, 54 Stat. 163-167, as amended, sec. 3, 68 Stat. 675; 46 U.S.C. 391, 392, 404, 406-412, 239, 481, 489, 363, 367, 526-526u, 50 U.S.C. 198; E.O. 10402, 17 F.R. 9917, 3 CFR, 1952 Supp.)

Subpart 167.55—Special Markings Required

Section 167.55-5(j) is amended to read as follows:

§ 167.55-5 Marking of fire and emergency equipment, etc.

(j) *Nautical school ship's name on equipment.* (1) All lifeboats, rigid type life rafts, life floats, buoyant apparatus, oars and paddles, life preservers, life buoys, fire hose, and axes shall be painted or branded with the name of the nautical school ship.

(2) There shall be stenciled in a conspicuous place in the immediate vicinity of each inflatable life raft the following:

INFLATABLE LIFE RAFT NO. -----
----- PERSONS CAPACITY

These markings shall not be placed on the inflatable life raft containers.

NOTE: § 160.051-8(a) of Subchapter Q (Specifications) of this chapter requires permanently attached name plates on each inflatable life raft and carrying case. These name plates contain the following information: The name of the manufacturer, approval number, the manufacturer's model number, serial number, and lot number, and the number of persons for which the inflatable life raft is approved. In addition, the carrying case shall be marked "Ocean Service Equipment" or "Limited Service Equipment" as applicable, together with the marine inspector's initials, the date, and the letters "USCG."

(R.S. 4405, as amended; 46 U.S.C. 375. Interpret or apply R.S. 4417, as amended, 4418, as amended, 4426, as amended, 4428-4434, as amended, 4450, as amended, 4488, as amended, 4491, as amended, 41 Stat. 305, as amended, secs. 1, 2, 49 Stat. 1544, as amended, secs. 1-22, 54 Stat. 163-167, as amended, sec. 3, 68 Stat. 675; 46 U.S.C. 391, 392, 404, 406-412, 239, 481, 489, 363, 367, 526-526u, 50 U.S.C. 198; E.O. 10402, 17 F.R. 9917, 3 CFR, 1952 Supp.)

Dated: November 2, 1960.

[SEAL]

A. C. RICHMOND,
Admiral, U.S. Coast Guard,
Commandant.

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