

Pipeline and Haz. Matls. Safety Admin., DOT

§ 171.7

Current OMB control No.	Title	Title 49 CFR part or section where identified and described
2137-0559 .....	(Rail Carriers and Tank Car Tank Requirements) Requirements for Rail Tank Car Tanks—Transportation of Hazardous Materials by Rail..	§§ 172.102, Special provisions: B45, B46, B55, B61, B69, B77, B78, B81; 173.10, 173.31, 174.20, 174.50, 174.63, 174.104, 174.114, 174.204, 179.3, 179.4, 179.5, 179.6, 179.7, 179.11, 179.18, 179.22, 179.100-9, 179.100-12, 179.100-13, 179.100-16, 179.100-17, 179.102-4, 179.102-17, 179.103-1, 179.103-2, 179.103-3, 179.103-5, 179.200-10, 179.200-14, 179.200-15, 179.200-16, 179.200-17, 179.200-19, 179.201-3, 179.201-8, 179.201-9, 179.220-4, 179.220-7, 179.220-8, 179.220-13, 179.220-15, 179.220-17, 179.220-18, 179.220-20, 179.220-22, 179.300-3, 179.300-7, 179.300-9, 179.300-12, 179.300-13, 179.300-15, 179.300-20, 179.400-3, 179.400-4, 179.400-11, 179.400-13, 179.400-16, 179.400-17, 179.400-19, 179.400-20, 179.500-5, 179.500-8, 179.500-12, 179.500-18, 180.505, 180.509, 180.515, 180.517.
2137-0572 .....	Testing requirements for non-bulk packages .....	§§ 173.168, 178.2, 178.601, appendix C to part 178, appendix D to part 178.
2137-0582 .....	Container Certification Statement .....	§§ 176.27, 176.172.
2137-0586 .....	Hazardous Materials Public Sector Training and Planning Grants.	Part 110.
2137-0591 .....	Response Plans for Shipments of Oil .....	Part 130.
2137-0595 .....	Cargo Tank Motor Vehicles in Liquefied Compressed Gas Service.	§§ 173.315, 178.337-8, 178.337-9, 180.405, 180.416.
2137-0612 .....	Hazardous Materials Security Plans .....	Part 172, subpart I, §§ 172.800, 172.802, 172.804.
2137-0613 .....	Subsidiary Hazard Class and Number/Type of Packagings.	§§ 172.202, 172.203
2137-0620 .....	Inspection and Testing of Meter Provers .....	Part 173, subpart A, § 173.5a.
2137-0621 .....	Requirements for United Nations (UN) Cylinders	§§ 173.301, 173.304, 173.304b, 178.69, 178.70, 178.74, 178.75, 180.207, 180.209, 180.212, 180.215, 180.217.

[Amdt. 171-111, 56 FR 66157, Dec. 20, 1991]

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting § 171.6, see the List of CFR Sections Affected, which appears in the Finding Aids section of the printed volume and at [www.fdsys.gov](http://www.fdsys.gov).

§ 171.7 Reference material.

(a) *Matter incorporated by reference—*  
 (1) *General.* There is incorporated, by reference in parts 171-180 of this subchapter, matter referred to that is not specifically set forth. This matter is hereby made a part of the regulations in parts 171-180 of this subchapter. The matter subject to change is incorporated only as it is in effect on the date of issuance of the regulation referring to that matter. The material listed in paragraphs (b) through (bb) of this section has been approved for incorporation by reference by the Director of the Federal Register in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. Material is incorporated as it exists on the date of the approval and a notice of any change in the material will be published in the FEDERAL REG-

ISTER. Matters referenced by footnote are included as part of the regulations of this subchapter.

(2) *Accessibility of materials.* All incorporated matter is available for inspection at:

(i) The Office of Hazardous Materials Safety, Office of Hazardous Materials Standards, East Building, PHH-10, 1200 New Jersey Avenue SE., Washington, DC 20590-0001. For information on the availability of this material at PHH-10, call 1-800-467-4922, or go to: <http://www.phmsa.dot.gov>; and

(ii) The National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202-741-6030, or go to: [http://www.archives.gov/federal\\_register/](http://www.archives.gov/federal_register/)

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*code\_of\_federal\_regulations/ibr\_locations.html.*

(b) *Air Transport Association of America*, 1301 Pennsylvania Avenue NW., Washington, DC 20004-1707.

(1) ATA Specification No. 300 Packaging of Airline Supplies, Revision 19, July 31, 1996, into § 172.102.

(2) [Reserved]

(c) *The Aluminum Association*, 1525 Wilson Blvd., Suite 6000, Arlington, VA 22209, telephone 703-358-2960, <http://www.aluminum.org>.

(1) Aluminum Standards and Data, Seventh Edition, June 1982, into §§ 172.102; 178.65.

(2) *Welding Aluminum: Theory and Practice*, 2002 Fourth Edition, into § 178.68.

(d) *American National Standards Institute, Inc.*, 25 West 43rd Street, New York, NY 10036.

(1) ANSI/ASHRAE 15-94, Safety Code for Mechanical Refrigeration, 1944, into §§ 173.306; 173.307.

(2) ANSI N14.1 Uranium Hexafluoride—Packaging for Transport, 1971 Edition, into §§ 173.417; 173.420.

(3) ANSI N14.1 Uranium Hexafluoride—Packaging for Transport, 1982 Edition, into §§ 173.417; 173.420.

(4) ANSI N14.1 Uranium Hexafluoride—Packaging for Transport, 1987 Edition, into §§ 173.417; 173.420.

(5) ANSI N14.1 Uranium Hexafluoride—Packaging for Transport, 1990 Edition, into §§ 173.417; 173.420.

(6) ANSI N14.1 Uranium Hexafluoride—Packaging for Transport, 1995 Edition, into §§ 173.417; 173.420.

(7) ANSI N14.1 Uranium Hexafluoride—Packaging for Transport, 2001 Edition, into §§ 173.417; 173.420.

(e) *American Petroleum Institute*, 1220 L Street NW., Washington, DC 20005-4070.

(1) API Recommended Practice Closures of Underground Petroleum Storage Tanks, 3rd Edition, March 1996, into § 172.102.

(2) [Reserved]

(f) *American Pyrotechnics Association (APA)*, P.O. Box 30438, Bethesda, MD

20824, (301) 907-8181, [www.americanpyro.com](http://www.americanpyro.com).

(1) APA Standard 87-1, Standard for Construction and Approval for Transportation of Fireworks, Novelties, and Theatrical Pyrotechnics, December 1, 2001 version into § 173.56.

(2) [Reserved]

(g) *American Society of Mechanical Engineers*, ASME International, 22 Law Drive, P.O. Box 2900, Fairfield, NJ 07007-2900, telephone 1-800-843-2763 or 1-973-882-1170, <http://www.asme.org>.

(1) ‘ASME Code’; ASME Code, Sections II (Parts A and B), V, VIII (Division 1), and IX of 1998 Edition of American Society of Mechanical Engineers Boiler and Pressure Vessel Code, into §§ 172.102; 173.5b; 173.24b; 173.32; 173.306; 173.315; 173.318; 173.420; 178.245-1; 178.245-3; 178.245-4; 178.245-6; 178.245-7; 178.255-1; 178.255-2; 178.255-14; 178.255-15; 178.270-2; 178.270-3; 178.270-7; 178.270-9; 178.270-11; 178.270-12; 178.271-1; 178.272-1; 178.273; 178.274; 178.276; 178.277; 178.320; 178.337-1; 178.337-2; 178.337-3; 178.337-4; 178.337-6; 178.337-16; 178.337-18; 178.338-1; 178.338-2; 178.338-3; 178.338-4; 178.338-5; 178.338-6; 178.338-13; 178.338-16; 178.338-18; 178.338-19; 178.345-1; 178.345-2; 178.345-3; 178.345-4; 178.345-7; 178.345-14; 178.345-15; 178.346-1; 178.347-1; 178.348-1; 179.400-3; 180.407.

(2) ASME B31.4-1998 Edition, Pipeline Transportation Systems for Liquid Hydrocarbons and other Liquids, Chapters II, III, IV, V and VI, November 11, 1998, into § 173.5a.

(h) *American Society for Testing and Materials*, 100 Barr Harbor Drive, West Conshohocken, PA 1942, telephone (610) 832-9585, <http://www.astm.org>. Copies of historical standards or standards that ASTM does not have may be purchased from: Engineering Societies Library, 354 East 47th Street, New York, NY 10017.

(1) ASTM A 20/A 20M-93a Standard Specification for General Requirements for Steel Plates for Pressure Vessels, 1993, into §§ 178.337-2; 179.102-4; 179.102-1; 179.102-17.

(2) ASTM A 47-68 Malleable Iron Castings, 1968, into § 179.200-15.

(3) ASTM A 53/A 53M-06a (ASTM A 53) Standard Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless, 2006, into § 173.5b.

- (4) ASTM A 106/A 106M-06a (ASTM A 106) Standard Specification for Seamless Carbon Steel Pipe for High-Temperature Service, 2006, into §173.5b.
- (5) ASTM A 240/A 240M-99b Standard Specification for Heat-Resisting Chromium and Chromium-Nickel Stainless Steel Plate, Sheet and Strip for Pressure Vessels, 1999, into §§178.57; 178.358-5; 179.100-7; 179.100-10; 179.102-1; 179.102-4; 179.102-17; 179.200-7; 179.201-5; 179.220-7; 179.300-7; 179.400-5.
- (6) ASTM A 242-81 Standard Specification for High-Strength Low-Alloy Structural Steel, 1981, into §178.338-2.
- (7) ASTM A 262-93a Standard Practices for Detecting Susceptibility to Intergranular Attack in Austenitic Stainless Steels, 1993, into 179.100-7; 179.200-7; 179.201-4.
- (8) ASTM A 285-78 Pressure Vessel Plates, Carbon Steel, Low- and Intermediate-Tensile Strength, 1978, into §179.300-7.
- (9) ASTM A 300-58 Steel Plates for Pressure Vessels for Service at Low Temperatures, 1958, into §178.337-2.
- (10) ASTM A 302/A 302M-93 Standard Specification for Pressure Vessel Plates, Alloy Steel, Manganese-Molybdenum and Manganese-Molybdenum Nickel, 1993, into §179.100-7; 179.200-7; 179.220-7.
- (11) ASTM A 333-67 Seamless and Welded Steel Pipe for Low-Temperature Service, 1967, into §178.45.
- (12) ASTM A 370-94 Standard Test 179.102-1; 179.102-4; Methods and Definitions for Mechanical Testing of Steel Products, 1994, into §§179.102-17; 179.102-1; 179.102-4.
- (13) ASTM A 441-81 Standard Specification for High-Strength Low-Alloy Structural Manganese Vanadium Steel, 1981, into §178.338-2.
- (14) ASTM A 514-81 Standard Specification for High-Yield Strength Quenched and Tempered Alloy Steel Plate, Suitable for Welding, 1981, into §178.338-2.
- (15) ASTM A 515/A 515M-03 Standard Specification for Pressure Vessel Plates, Carbon Steel, for Intermediate- and Higher-Temperature Service, 2003, into §179.300-7.
- (16) ASTM A 516/A 516M-90 Standard Specification for Pressure Vessel Plates, Carbon Steel, for Moderate and Lower-Temperature Service, 1990, into §178.337-2; 179.100-7; 179.102-1; 179.102-2; 179.102-4; 179.102-17; 179.200-7; 179.220-7; 179.300-7.
- (17) ASTM A 537/A 537M-91 Standard Specification for Pressure Vessel Plates, Heat-Treated, Carbon-Manganese-Silicon Steel, 1991, into §179.100-7; 179.102-4; 179.102-17.
- (18) ASTM A 572-82 Standard Specification for High-Strength Low-Alloy Columbium-Vanadium Steels of Structural Quality, 1982, into §178.338-2.
- (19) ASTM A 588-81 Standard Specification for High-Strength Low-Alloy Structural Steel with 50 Ksi Minimum Yield Point to 4 in. Thick, 1981, into §178.338-2.
- (20) ASTM A 606-75 Standard Specification for Steel Sheet and Strip Hot-Rolled and Cold-Rolled, High-Strength, Low-Alloy, with Improved Atmospheric Corrosion Resistance, 1975 (Reapproved 1981), into §178.338-2.
- (21) ASTM A 607-98 Standard Specification for Steel, Sheet and Strip, High-Strength, Low-Alloy, Columbium or Vanadium, or Both, Hot-Rolled and Cold-Rolled, 1998, into §178.338-2.
- (22) ASTM A 612-72a High Strength Steel Plates for Pressure Vessels for Moderate and Lower Temperature Service, 1972, into §178.337-2.
- (23) ASTM A 633-79a Standard Specification for Normalized High-Strength Low-Alloy Structural Steel, 1979 Edition, into §178.338-2.
- (24) ASTM A 715-81 Standard Specification for Steel Sheet and Strip, Hot-Rolled, High-Strength, Low-Alloy with Improved Formability, 1981, into §178.338-2.
- (25) ASTM A 1008/A 1008M-03 Standard Specification for Steel, Sheet, Cold-Rolled, Carbon, Structural, High-Strength Low-Alloy and High Strength Low-Alloy with Improved Formability, 2003, into §178.338-2; 178.345-2.
- (26) ASTM A 1011/A 1011M-03a Standard Specification for Steel, Sheet and Strip, Hot-Rolled, Carbon, Structural, High-Strength Low Alloy and High Strength Low-Alloy with Improved Formability, 2003, into §178.338-2; 178.345-2.
- (27) ASTM B 162-93a Standard Specification for Nickel Plate, Sheet, and Strip, 1993, into §173.249; 179.200-7.
- (28) ASTM B 209-93 Standard Specification for Aluminum and Aluminum-

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Alloy Sheet and Plate, 1993, into § 179.100-7; 179.200-7; 179.220-7.

(29) ASTM B 221-76 Aluminum Alloy Extruded Bars, Rods, Shapes, and Tubes, 1976, into § 178.46.

(30) ASTM B 557-84 Tension Testing Wrought and Cast Aluminum and Magnesium-Alloy Products, 1984, into § 178.46.

(31) ASTM B 580-79 Standard Specification for Anodic Oxide Coatings on Aluminum, (Re-approved 2000), into § 173.316; 173.318; 178.338-17.

(32) ASTM D 56-05, Standard Test Method for Flash Point by Tag Closed Cup Tester, approved May 1, 2005, into § 173.120.

(33) ASTM D 86-07a, Standard Test Method for Distillation of Petroleum Products at Atmospheric Pressure, approved April 1, 2007, into § 173.121.

(34) ASTM D 93-08, Standard Test Methods for Flash Point by Pensky-Martens Closed Cup Tester, approved October 15, 2008, into § 173.120.

(35) ASTM D 1078-05, Standard Test Method for Distillation Range of Volatile Organic Liquids, approved May 15, 2005, into § 173.121.

(36) ASTM D 1238-90b Standard Test Method for Flow Rates of Thermoplastics for Extrusion Plastometer, 1990, into § 173.225.

(37) ASTM D 1709-01 Standard Test Methods for Impact Resistance of Plastic Film by the Free-Falling Dart Method, 2001, into § 173.197.

(38) ASTM D 1835-97 Standard Specification for Liquefied Petroleum (LP) Gases, 1997, into § 180.209.

(39) ASTM D 1838-64 Copper Strip Corrosion by Liquefied Petroleum (LP) Gases, 1964, into § 173.315.

(40) ASTM D 1922-00a Standard Test Method for Propagation Tear Resistance of Plastic Film and Thin Sheeting by Pendulum Method, 2000, into § 173.197.

(41) ASTM D 3278-96 (Reapproved 2004) E1, Standard Test Methods for Flash Point of Liquids by Small Scale Closed-Cup Apparatus, approved November 1, 2004, into § 173.120.

(42) ASTM D 3828-07a, Standard Test Methods for Flash Point by Small Scale Closed Cup Tester, approved July 15, 2007, § 173.120.

(43) ASTM D 4206-96 Standard Test Method for Sustained Burning of Liq-

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uid Mixtures Using the Small Scale Open-Cup Apparatus, 1996, into § 173.120.

(44) ASTM D 4359-90 Standard Test Method for Determining Whether a Material is a Liquid or a Solid, 1990 into § 171.8.

(45) ASTM E 8-99 Standard Test Methods for Tension Testing of Metallic Materials, 1999, into § 178.36; 178.37; 178.38; 178.39; 178.44; 178.45; 178.50; 178.51; 178.53; 178.55; 178.56; 178.57; 178.58; 178.59; 178.60; 178.61; 178.68.

(46) ASTM E 23-98 Standard Test Methods for Notched Bar Impact Testing of Metallic Materials, 1998, into § 178.57.

(47) ASTM E 112-88 Standard Test Methods for Determining Average Grain Size, 1988, into § 178.44.

(48) ASTM E 112-96 Standard Test Methods for Determining Average Grain Size, 1996 Edition, into § 178.274; part 178, appendix A.

(49) ASTM E 114-95 Standard Practice for Ultrasonic Pulse-Echo Straight-Beam Examination by the Contact Method, 1995, into § 178.45.

(50) ASTM E 213-98 Standard Practice for Ultrasonic Examination of Metal Pipe and Tubing, into § 178.45.

(51) ASTM E 290-97a Standard Test Methods for Bend Testing of Material for Ductility, published February 1998, into § 178.37.

(i) [Reserved]

(j) *American Welding Society*, 550 NW. Le Jeune Road, Miami, Florida 33126.

(1) AWS Code B 3.0; Standard Qualification Procedure; 1972 (FRB 3.0-41, rev. May 1973), into §§ 178.356-2, 178.358-2.

(2) AWS Code D 1.0; Code for Welding in Building Construction (FR D 1.0-66, 1966), into §§ 178.356-2; 178.358-2.

(k) *Association of American Railroads*, American Railroads Building, 50 F Street NW., Washington, DC 20001; telephone (877) 999-8824, <http://www.aar.org/publications.com>.

(1) AAR Manual of Standards and Recommended Practices, Section C—Part III, Specifications for Tank Cars, Specification M-1002, (AAR Specifications for Tank Cars), December 2000, § 173.31; 179.6; 179.7; 179.15; 179.16; 179.20; 179.22; 179.100-9; 179.100-10; 179.100-12; 179.100-13; 179.100-14; 179.100-18; 179.101-1; 179.102-1; 179.102-4; 179.102-17; 179.103-5; 179.200-7; 179.200-9; 179.200-10; 179.200-

11; 179.200-13; 179.200-17; 179.200-22; 179.201-6; 179.220-6; 179.220-7; 179.220-10; 179.220-11; 179.220-14; 179.220-18; 179.220-26; 179.300-9; 179.300-10; 179.300-15; 179.300-17; 179.400-5; 179.400-6; 179.400-8; 179.400-11; 179.400-12; 179.400-15; 179.400-18; 179.400-20; 179.400-25; 180.509; 180.513; 180.515; 180.517.

(2) AAR Manual of Standards and Recommended Practices, Section I, Specially Equipped Freight Car and Intermodal Equipment, 1988, into § 174.55; 174.63.

(3) AAR Specifications for Design, Fabrication and Construction of Freight Cars, Volume 1, 1988, into § 179.16.

(4) AAR Standard 286; AAR Manual of Standards and Recommended Practices, Section C, Car Construction Fundamentals and Details, Standard S-286, Free/Unrestricted Interchange for 286,000 lb Gross Rail Load Cars (Adopted 2002; Revised: 2003, 2005, 2006), into 179.13.

(1) *Chlorine Institute, Inc.*, 1300 Wilson Boulevard, Arlington, VA 22209.

(1) Chlorine Institute Emergency Kit "A" for 100-lb. & 150 lb. Chlorine Cylinders (with the exception of repair method using Device 8 for side leaks), Edition 10, June 2003, into 173.3.

(2) Chlorine Institute Emergency Kit "B" for Chlorine Ton Containers (with the exception of repair method using Device 9 for side leaks), Edition 9, June 2003, into 173.3.

(3) Type 1 JQ 225, Dwg., H51970, Revision F, November 1996, into § 173.315.

(4) Type 1 JQ 225, Dwg., H50155, Revision H, November 1996, into § 173.315.

(5) Section 3, Pamphlet 57, Emergency Shut-Off Systems for Bulk Transfer of Chlorine, Edition 4, October 2003, into § 177.840.

(6) Section 3, Pamphlet 166, Angle Valve Guidelines for Chlorine Bulk Transportation, 1st Edition, October 2002, into § 178.337-9.

(7) Standard Chlorine Angle Valve Assembly, Dwg. 104-8, July 1993, into § 178.337-9.

(8) Excess Flow Valve with Removable Seat, Dwg. 101-7, July 1993, into § 178.337-8.

(9) Excess Flow Valve with Removable Basket, Dwg. 106-6, July 1993, into § 178.337-8.

(10) Standards for Housing and Manway Covers for Steel Cargo Tanks, Dwgs. 137-1 and 137-2, September 1, 1982, into § 178.337-10.

(1) Typical Manway Arrangement Chlorine Cargo Tank, Dwg 137-5, November 1996, into 178.337-10.

(m) *Canadian General Standards Board*, Place du Portage III, 6B1 11 Laurier Street, Gatineau, Quebec, Canada K1A 1G6.

(1) National Standard of Canada (CAN/CGSB 43.147-2005) Construction, Modification, Qualification, Maintenance, and Selection and Use of Means of Containment for the Handling, Offering for Transport, or Transportation of Dangerous Goods by Rail, into § 171.12.

(2) [Reserved]

(n) *Compressed Gas Association (CGA)*, 1235 Jefferson Davis Highway, Arlington, VA 22202.

(1) CGA Pamphlet C-3, Standards for Welding on Thin-Walled Steel Cylinders, 1994, into § 178.47; 178.50; 178.51; 178.53; 178.55; 178.56; 178.57; 178.58; 178.59; 178.60; 178.61; 178.65; 178.68; 180.211.

(2) CGA C-5, Cylinder Service Life—Seamless Steel High Pressure Cylinders, 1991 (reaffirmed 1995), into § 173.302a.

(3) CGA Pamphlet C-6, Standards for Visual Inspection of Steel Compressed Gas Cylinders, 1993, into § 172.102, § 173.3, 173.198, 180.205, 180.209, 180.211, 180.411, 180.519.

(4) CGA Pamphlet C-6.1, Standards for Visual Inspection of High Pressure Aluminum Compressed Gas Cylinders, 2002, Fourth Edition, into § 180.205; 180.209.

(5) CGA Pamphlet C-6.2, Guidelines for Visual Inspection and Requalification of Fiber Reinforced High Pressure Cylinders, 1996, Third Edition, into § 180.205.

(6) CGA Pamphlet C-6.3, Guidelines for Visual Inspection and Requalification of Low Pressure Aluminum Compressed Gas Cylinders, 1991, into § 180.205; 180.209.

(7) CGA C-7, Guide to Preparation of Precautionary Labeling and Marking of Compressed Gas Containers, Appendix A, issued 2004 (8th Edition), into § 172.400a.

(8) CGA Pamphlet C-8, Standard for Requalification of DOT-3HT Cylinder Design, 1985, into § 180.205; 180.209.

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(9) CGA Pamphlet C-11, Recommended Practices for Inspection of Compressed Gas Cylinders at Time of Manufacture, 2001, Third Edition, into § 178.35.

(10) CGA Pamphlet C-12, Qualification Procedure for Acetylene Cylinder Design, 1994, into § 173.301; 173.303; 178.59; 178.60.

(11) CGA Pamphlet C-13, Guidelines for Periodic Visual Inspection and Requalification of Acetylene Cylinders, 2000, Fourth Edition, into § 173.303; 180.205; 180.209.

(12) CGA Pamphlet C-14, Procedures for Fire Testing of DOT Cylinder Pressure Relief Device Systems, 1979, into § 173.301; 173.323.

(13) CGA Pamphlet G-2.2, Guideline Method for Determining Minimum of 0.2% Water in Anhydrous Ammonia, 1985, Second Edition, Reaffirmed 1997, into § 173.315.

(14) CGA Pamphlet G-4.1, Cleaning Equipment for Oxygen Service, 1985, into § 178.338–15.

(15) CGA Pamphlet P-20, Standard for the Classification of Toxic Gas Mixtures, 1995, into § 173.115.

(16) CGA Pamphlet P-20, Standard for the Classification of Toxic Gas Mixtures, 2003, Third Edition, into § 173.115.

(17) CGA S-1.1, Pressure Relief Device Standards—Part 1—Cylinders for Compressed Gases, (with the exception of paragraph 9.1.1.1), Twelfth Edition, 2005, into § 173.301, 173.304a 178.75.

(18) CGA Pamphlet S-1.2, Safety Relief Device Standards Part 2—Cargo and Portable Tanks for Compressed Gases, 1980, into § 173.315; 173.318; 178.276; 178.277.

(19) CGA S-7, Method for Selecting Pressure Relief Devices for Compressed Gas Mixtures in Cylinders, 2005, into § 173.301.

(20) CGA Technical Bulletin TB-2, Guidelines for Inspection and Repair of MC-330 and MC-331 Cargo Tanks, 1980, into § 180.407; 180.413.

(21) CGA Technical Bulletin TB-25, Design Considerations for Tube Trailers, 2008 Edition, into § 173.301.

(o) *Department of Defense (DOD)*, 2461 Eisenhower Avenue, Alexandria, VA 22331.

(1) DOD TB 700-2; NAVSEAINST 8020.8B; AFTO 11A-1-47; DLAR 8220.1:

Explosives Hazard Classification Procedures, January 1998, into § 173.56.

(2) Packaging of Hazardous Material, DLAD 4145.41/AR 700-143/AFJI 24-210/NAVSUPINST 4030.55B/MCO 4030.40B, January 14, 2000, into § 173.7.

(p) [Reserved]

(q) *General Services Administration*, Specification Office, Room 6662, 7th and D Street, S.W., Washington, DC 20407.

(1) Federal Specification RR-C-901D, Cylinders, Compressed Gas: Seamless Shatterproof, High Pressure DOT 3AA Steel, and 3AL Aluminum, February 21, 2003, into §§ 173.302; 173.336; 173.337.

(2) [Reserved]

(r) *Institute of Makers of Explosives*, 1120 19th Street NW., Suite 310, Washington, DC 20036-3605.

(1) IME Standard 22, IME Safety Library Publication No. 22, Recommendations for the Safe Transportation of Detonators in a Vehicle with Certain Other Explosive Materials, February 2007, into §§ 173.63; 177.835.

(2) [Reserved]

(s) *International Atomic Energy Agency (IAEA)*, P.O. Box 100, Wagramer Strasse 5, A-1400 Vienna, Austria. Also available from: Bernan Associates, 4611-F Assembly Drive, Lanham, MD 20706-4391, USA; or Renouf Publishing Company, Ltd., 812 Proctor Avenue, Ogdensburg, New York 13669, USA.

(1) No. TS-R-1 (ST-1, Revised), Regulations for the Safe Transport of Radioactive Material, (IAEA Regulations), 1996 Edition (Revised), into § 171.22; 171.23; 171.26, 173.415, 173.416, 173.417, 173.473.

(2) [Reserved]

(t) *International Civil Aviation Organization* (“ICAO”), 999 University Street, Montréal, Quebec H3C 5H7, Canada, 1-514-954-8219, <http://www.icao.int>. ICAO Technical Instructions available from: INTEREG, International Regulations, Publishing and Distribution Organization, P.O. Box 60105, Chicago, IL 60660.

(1) Technical Instructions for the Safe Transport of Dangerous Goods by Air (ICAO Technical Instructions), 2013-2014 Edition, into §§ 171.8; 171.22; 171.23; 171.24; 172.101; 172.202; 172.401; 172.512; 172.519; 172.602; 173.56; 173.320; 175.10, 175.33; 178.3.

(2) [Reserved]

(u) International Electrotechnical Commission (IEC), 3 rue de Varembe, P.O. Box 131, CH—1211, GENEVA 20, Switzerland.

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(2) 62282-6-100 Amend. 1 IEC 2012(E), Amendment 1 to IEC 62282-6-100: Fuel cell technologies—Part 6-100: Micro fuel cell power systems—Safety, Edition 1.0, October 2012, into §§ 173.230; 175.10

(v) *International Maritime Organization* (“IMO”), 4 Albert Embankment, London, SE1 7SR, United Kingdom or New York Nautical Instrument & Service Corporation, 140 West Broadway, New York, NY 10013, +44 (0) 20 7735 7611, <http://www.imo.org>.

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(2) International Maritime Dangerous Goods Code (IMDG Code), Incorporating Amendment 36-12 (English Edition), 2011, into §§ 171.22; 171.23; 171.25; 172.101 172.202; 172.203 172.401; 172.502; 172.519; 172.602; 173.21; 173.56; 176.2; 176.5; 176.11; 176.27; 176.30; 176.83; 176.84; 176.140; 176.720; 178.3; 178.274.

(w) *International Organization for Standardization*, Case Postale 56, CH-1211, Geneve 20, Switzerland, <http://www.iso.org>. Also available from: ANSI 25, West 43rd Street, New York, NY 10036, 1-212-642-4900, <http://www.ansi.org>.

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(4) ISO 1516:2002(E), Determination of flash/no flash—Closed cup equilibrium

method, Third Edition, 2002-03-01, into § 173.120.

(5) ISO 1523:2002(E), Determination of flash point—Closed cup equilibrium method, Third Edition, 2002-03-01, into § 173.120.

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(7) ISO 2592:2000(E), Determination of flash and fire points—Cleveland open cup method, Second Edition, 2000-09-15, into § 173.120.

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(12) ISO 3574-1986(E) Cold-reduced carbon steel sheet of commercial and drawing qualities, into § 178.503; part 178, appendix C.

(13) ISO 3679:2004(E), Determination of flash point—Rapid equilibrium closed cup method, Third Edition, 2004-04-01, into § 173.120.

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(18) ISO 4126-7:2004(E): Safety devices for protection against excessive pressure—Part 7: Common data, First Edition 2004-02-15 into § 178.274.

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(23) ISO 6892 Metallic materials—Tensile testing, July 15, 1984, First Edition, into §178.274.

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(2) [Reserved]

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(2) Test No. 430: In Vitro Skin Corrosion: Transcutaneous Electrical Resistance Test (TER), OECD Guidelines for the Testing of Chemicals, Section 4: Health Effects, adopted April 13, 2004, into §173.137.

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- (iv) SOR/2003–400 December 3, 2003
- (v) SOR/2005–216 July 13, 2005
- (vi) SOR/2005–279 September 21, 2005
- (vii) SOR/2008–34 February 7, 2008
- (viii) SOR/2007–179 July 31, 2007
- (2) [Reserved]
- (cc) *Truck Trailer Manufacturers Association*, 1020 Princess Street, Alexandria, Virginia 22314.
  - (1) TTMA RP No. 61–98, Performance of manhole and/or Fill Opening Assemblies on MC 306, DOT 406, Non-ASME MC 312 and Non-ASME DOT 412 Cargo Tanks, June 1, 1998, into § 180.405.
  - (2) TTMA RP No. 81–97, Performance of Spring Loaded Pressure Relief Valves on MC 306, MC 307, MC 312, DOT 406, DOT 407, and DOT 412 Tanks, July 1, 1997 Edition, into §§ 178.345–10; 178.346–3.
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<i>American Institute of Chemical Engineers (AIChE)</i> , 3 Park Avenue New York, NY 10016–5991: Process Safety Progress Journal, Vol. 21, No. 2, Example of a Test Method for Venting Sizing: OPPSD/SPI Methodology.	Note to § 173. 225(h)(3)(vi).
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Intermodal Loading Guide for Products in Closed Trailers and Containers, issued June 2001.	174.55; 174.101; 174.112; 174.115.
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Pamphlet 6A (includes appendix No. 1, October 1944 and appendix 2, December 1945), Illustrating Methods for Loading and Bracing Carload and Less-Than-Carload Shipments of Loaded Projectiles, Loaded Bombs, etc., 1943.	174.101; 174.290
Pamphlet 6C, Illustrating Methods for Loading and Bracing Trailers and Less-Than-Trailer Shipments of Explosives and Other Dangerous Articles Via Trailer-on-Flatcar (TOFC) or Container-on-Flatcar (COFC), 1985.	174.55; 174.63; 174.101; 174.112; 174.115
Emergency Handling of Hazardous Materials in Surface Transportation, 1989 .....	171.7
<i>Centers for Disease Control and Prevention</i> 1600 Clifton Road, Atlanta, GA 30333: Biosafety in Microbiological and Biomedical Laboratories, Fourth Edition, April 1999 ...	173.134
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<i>Truck Trailer Manufacturers Association</i> , 1020 Princess Street, Alexandria, Virginia 22314, telephone (703) 549–3010, <a href="http://www.ttmanet.org">http://www.ttmanet.org</a> : TTMA RP No. 96–01, TTMA RP No. 96–01, Structural Integrity of DOT 406, DOT 407, and DOT 412 Cylindrical Cargo Tanks, January 2001 Edition.	178.345–3

[78 FR 1027, Jan. 7, 2013, as amended at 78 FR 15321, Mar. 11, 2013; 78 FR 65468, Oct. 31, 2013; 79 FR 15043, Mar. 18, 2014; 79 FR 40609, July 11, 2014]

EDITORIAL NOTE: At 79 FR 40609, July 11, 2014, §171.7 was amended, in part, by redesignating paragraphs (j) through (o) as (i) through (m) respectively; redesignating paragraphs (q) through (dd) as (n) through (bb) respectively; and revising newly designated paragraphs (q)(1) and (u)(9); however, these amendments could not be incorporated due to inaccurate amendatory instructions.

**§ 171.8 Definitions and abbreviations.**

In this subchapter,

*Administrator* means the Administrator, Pipeline and Hazardous Materials Safety Administration.

*Aerosol* means any non-refillable receptacle containing a gas compressed, liquefied or dissolved under pressure, the sole purpose of which is to expel a nonpoisonous (other than a Division 6.1 Packing Group III material) liquid, paste, or powder and fitted with a self-closing release device allowing the contents to be ejected by the gas.

*Agricultural product* means a hazardous material, other than a hazardous waste, whose end use directly supports the production of an agricultural commodity including, but not limited to a fertilizer, pesticide, soil amendment or fuel. An *agricultural product* is limited to a material in Class 3, 8 or 9, Division 2.1, 2.2, 5.1, or 6.1, or an ORM-D material.

*Aircraft battery* means a battery designed in accordance with a recognized aircraft battery design standard (e.g. FAA technical standard order) that is capable of meeting all aircraft airworthiness requirements and operating regulations.

*Approval* means a written authorization, including a competent authority approval, from the Associate Adminis-

trator or other designated Department official, to perform a function for which prior authorization by the Associate Administrator is required under subchapter C of this chapter (49 CFR parts 171 through 180.)

*Approved* means approval issued or recognized by the Department unless otherwise specifically indicated in this subchapter.

*Asphyxiant gas* means a gas which dilutes or replaces oxygen normally in the atmosphere.

*Associate Administrator* means the Associate Administrator for Hazardous Materials Safety, Pipeline and Hazardous Materials Safety Administration.

*Atmospheric gases* means air, nitrogen, oxygen, argon, krypton, neon and xenon.

*Authorized Inspection Agency* means: (1) A jurisdiction which has adopted and administers one or more sections of the ASME Boiler and Pressure Vessel Code as a legal requirement and has a representative serving as a member of the ASME Conference Committee; or (2) an insurance company which has been licensed or registered by the appropriate authority of a State of the United States or a Province of Canada to underwrite boiler and pressure vessel insurance in such State or Province.