### § 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 Register. 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:


(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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**Table: Current OMB control No.**

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<th>Current OMB control No.</th>
<th>Title</th>
<th>Title 49 CFR part or section where identified and described</th>
</tr>
</thead>
</table>

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§ 171.7

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
(1) Aluminum Standards and Data,
(2) Welding Aluminum: Theory and

(d) American National Standards Institute, Inc.,
25 West 43rd Street, New
York, NY 10036.
for Mechanical Refrigeration, 1944, into
(2) ANSI N14.1 Uranium
Hexafluoride—Packaging for Transport,
(3) ANSI N14.1 Uranium
Hexafluoride—Packaging for Transport,
(4) ANSI N14.1 Uranium
Hexafluoride—Packaging for Transport,
(5) ANSI N14.1 Uranium
Hexafluoride—Packaging for Transport,
(6) ANSI N14.1 Uranium
Hexafluoride—Packaging for Transport,

(e) American Petroleum Institute, 1220
L Street NW., Washington, DC 20005–
4070.
(1) API Recommended Practice Clos-
ures of Underground Petroleum Storage
(2) [Reserved]

(f) American Pyrotechnics Association
(APA), P.O. Box 30438, Bethesda, MD
(1) APA Standard 87–1, Standard for
Construction and Approval for Trans-
portation of Fireworks, Novelties, and
Theatrical Pyrotechnics, December 1,
2001 version into §173.56.
(2) [Reserved]

(g) American Society of Mechanical En-
gineers, ASME International, 22 Law
Drive, P.O. Box 2900, Fairfield, NJ
07007–2900, telephone 1–800–843–2763 or 1–
(1) ‘ASME Code’; ASME Code, Sec-
tions II (Parts A and B), V, VIII (Divi-
sion 1), and IX of 1998 Edition of Amer-
ican 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; 178.349–1; 179.400–3; 180.107.
(2) ASME B31.4–1998 Edition, Pipeline
Transportation Systems for Liquid Hydro-
carbons 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)
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 Require-
ments 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
(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.
§ 171.7


(9) ASTM A 300–58 Steel Plates for Pressure Vessels for Service at Low Temperatures, 1958, into §178.337–2.


(22) ASTM A 612–72a High Strength Steel Plates for Pressure Vessels for Moderate and Lower Temperature Service, 1972, into §178.337–2.


(28) ASTM B 209–93 Standard Specification for Aluminum and Aluminum-


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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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


(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 § 173.3.

(4) Type 1 JQ 225, Dwg. H50155, Revision H, November 1996, into § 173.3.


(10) Standards for Housing and Manway Covers for Steel Cargo Tanks, Dwgs. 137-1 and 137-2, September 1, 1982, into § 173.302a.


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


(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; 180.205; 180.209; 180.411; 180.519.

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


§ 171.7


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


(12) CGA Pamphlet C–14, Procedures for Fire Testing of DOT Cylinder Pressure Relief Device Systems, 1979, into § 173.301; 173.304a; 178.75.


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

(1) DOD TB 706–2, NAVSEAINST 8020.8B; AFTO 11A–1–47; DLAR 8220.1: Explosives Hazard Classification Procedures, January 1998, into § 173.56.


(p) [Reserved]

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


(2) [Reserved]

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


(2) [Reserved]

(s) International Atomic Energy Agency (IAEA), P.O. Box 100, Wagramer Strasse 5, A–1400 Vienna, Austria. Also available from: Beman Associates, 4611–F Assembly Drive, Lanham, MD 20706–4391, USA; or Renouf Publishing Company, Ltd., 812 Proctor Avenue, Ogdenburg, 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; 171.315; 171.316; 173.403; 173.404.

(2) [Reserved]


(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; 173.58; 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.


(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.


Pipeline and Haz. Matls. Safety Admin., DOT § 171.7


(47) ISO 11623(E), Transportable gas cylinders—Periodic inspection and testing of composite gas cylinders, First edition, March 2002, into §180.207.


(x) National Board of Boiler and Pressure Vessel Inspectors, 1055 Crupper Avenue, Columbus, Ohio 43229.


(2) [Reserved]
§ 171.7

17 CFR Ch. I (10–1–14 Edition)

(iv) SOR/2003–400 December 3, 2003
(v) SOR/2005–216 July 13, 2005
(vi) SOR/2005–279 September 21, 2005
(vii) SOR/2008–24 February 7, 2008
(2) [Reserved]

(cc) Truck Trailer Manufacturers Association, 1020 Princess Street, Alexandria, Virginia 22314.


(3) TTMA TB No. 107, Procedure for Testing In-Service Unmarked and/or Uncertified MC 306 and Non-ASME MC 312 Type Cargo Tank Manhole Covers, June 1, 1998 Edition, into §180.405.


(1) UN Recommendations on the Transport of Dangerous Goods, Model Regulations (UN Recommendations), 17th revised edition, Volumes I and II (2011), into §§171.8; 171.12; 172.202; 172.401; 172.407; 172.502; 173.22; 173.24; 173.24b; 173.40; 173.56; 173.192; 173.302b; 173.304b; 178.75; 178.274.

(2) UN Recommendations on the Transport of Dangerous Goods, Manual of Tests and Criteria, (Manual of Tests and Criteria), into §§172.102; 173.21; 173.56; 173.57; 173.58; 173.60; 173.115; 173.124; 173.125; 173.127; 173.129; 173.137; 173.185; 173.220; part 173, appendix H; 178.274:

(i) Fifth revised edition (2009).


Table 1 to 49 CFR 171.7—Materials Not Incorporated by Reference

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<th>Source and name of material</th>
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<tr>
<td>American Biological Safety Association 1202 Allanson Road, Mundelein, IL 60060: Risk Group Classification for Infectious Agents, 1998</td>
<td>173.134.</td>
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<tr>
<td>American Society for Testing and Materials, 1600 Clifton Road, Atlanta, GA 30333: ASTM E 380–89 Standards for Metric Practice</td>
<td>171.10.</td>
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<td>Association of American Railroads, American Railroads Building, 50 F Street, NW., Washing-</td>
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<td>AAR Catalog Nos. SE60CHT; SE60CC; SE60CHTE; SE60CE; SE60DC; SE60DE ................................</td>
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<td>AAR Catalog Nos. SF79CHT; SF79CC; SF79CHTE; SF79CE ..................................................................</td>
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<td>Bureau of Explosives, Hazardous Materials Systems (BOE), Association of American Rail-</td>
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<td>roads, American Railroads Building, 50 F Street NW, Washington, DC 20001: Fetterley’s Formula (The Determination of the Relief Dimensions for Safety Valves on Containers in which Liquefied gas is charged and when the exterior surface of the container is exposed to a temperature of 1,200 °F.), Intermodal Loading Guide for Products in Closed Trailers and Containers, issued June 2001.</td>
<td>173.315.</td>
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<td>180.209.</td>
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§ 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 Administrator 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.