§ 1910.5 Applicability of standards.

(a) Except as provided in paragraph (b) of this section, the standards contained in this part shall apply with respect to employments performed in a workplace in a State, the District of Columbia, the Commonwealth of Puerto Rico, the Virgin Islands, American Samoa, Guam, Trust Territory of the Pacific Islands, Wake Island, Outer Continental Shelf lands defined in the Outer Continental Shelf Lands Act, Johnston Island, and the Canal Zone.

(b) None of the standards in this part shall apply to working conditions of employees with respect to which Federal agencies other than the Department of Labor, or State agencies acting under section 274 of the Atomic Energy Act of 1954, as amended (42 U.S.C. 2021), exercise statutory authority to prescribe or enforce standards or regulations affecting occupational safety or health.

(c)(1) If a particular standard is specifically applicable to a condition, practice, means, method, operation, or process, it shall prevail over any different general standard which might otherwise be applicable to the same condition, practice, means, method, operation, or process. For example, §1915.23(c)(3) of this title prescribes personal protective equipment for certain ship repairmen working in specified areas. Such a standard shall apply, and shall not be deemed modified nor superseded by any different general standard whose provisions might otherwise be applicable, to the ship repairmen working in the areas specified in §1915.23(c)(3).

(2) On the other hand, any standard shall apply according to its terms to any employment and place of employment in any industry, even though particular standards are also prescribed for the industry, as in subpart B or subpart R of this part, to the extent that none of such particular standards applies. To illustrate, the general standard regarding noise exposure in §1910.95 applies to employments and places of employment in pulp, paper, and paperboard mills covered by §1910.26.

(d) In the event a standard protects on its face a class of persons larger than employees, the standard shall be applicable under this part only to employees and their employment and places of employment.

(e) [Reserved]

(f) An employer who is in compliance with any standard in this part shall be deemed to be in compliance with the requirement of section 5(a)(1) of the Act, but only to the extent of the condition, practice, means, method, operation, or process covered by the standard.

§ 1910.6 Incorporation by reference.

(a)(1) The standards of agencies of the U.S. Government, and organizations which are not agencies of the U.S. Government which are incorporated by reference in this part, have the same force and effect as other standards in this part. Only the mandatory provisions (i.e., provisions containing the word “shall” or other mandatory language) of standards incorporated by reference are adopted as standards under the Occupational Safety and Health Act.

(2) Any changes in the standards incorporated by reference in this part and an official historic file of such changes are available for inspection in the Docket Office at the national office of the Occupational Safety and Health Administration, U.S. Department of Labor, Washington, DC 20910; telephone: 202-693-2350 (TTY number: 877-889-5627).

(3) The materials listed in paragraphs (b) through (w) of this section are incorporated by reference in the corresponding sections noted as they exist on the date of the approval, and a notice of any change in these materials will be published in the Federal Register. These incorporations by reference were approved by the Director.
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of the Federal Register in accordance with 5 U.S.C. 552(a) and 1 CFR part 51.

(4) Copies of standards listed in this section and issued by private standards organizations are available for purchase from the issuing organizations at the addresses or through the other contact information listed below for these private standards organizations. In addition, these standards are available for inspection at any Regional Office of the Occupational Safety and Health Administration (OSHA), or at the OSHA Docket Office, U.S. Department of Labor, 200 Constitution Avenue NW., Room N–2625, Washington, DC 20210; telephone: 202–693–2350 (TTY number: 877–889–5627). They are also available for inspection at the National Archives and Records Administration (NARA). For information on the availability of these standards at NARA, telephone: 202–741–6030, or go to http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html.

(b) The following material is available for purchase from the American Conference of Governmental Industrial Hygienists (ACGIH), 1014 Broadway, Cincinnati OH 45202:

(1) “Industrial Ventilation: A Manual of Recommended Practice” (22nd ed., 1995), incorporation by reference (IBR) approved for §§1910.219(c)(3)(iii); 1910.261 (a)(3)(i), (c)(10), and (k)(21); and 1910.265(c)(2).


(12) ANSI A90.1–70 Safety Standard for Manlifts, IBR approved for §1910.68(b)(3).

(13) ANSI A92.2–69 Standard for Vehicle Mounted Elevating and Rotating Work Platforms, IBR approved for §1910.67 (b)(1), (2), (c)(3), and (4) and 1910.266(a)(2)(i)(v).

(14) ANSI A120.1–70 Safety Code for Powered Platforms for Exterior Building Maintenance, IBR approved for §1910.66 app. D (b) through (d).


(16) ANSI B15.1–53 (R 58) Safety Code for Mechanical Power Transmission
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Apparatus, IBR approved for §§1910.68(b)(4) and 1910.261 (a)(3)(ix), (b)(1), (e)(3), (e)(9), (f)(4), (j)(4), (j)(5)(iv), (k)(12), and (l)(3).


(18) ANSI B30.2–43 (R 52) Safety Code for Cranes, Derricks, and Hoists, IBR approved for §1910.261 (a)(3)(xi), (c)(2)(vi), and (c)(8) (i) and (iv).

(19) ANSI B30.2.0–67 Safety Code for Overhead and Gantry Cranes, IBR approved for §§1910.179(b)(2); 1910.261 (a)(3)(xii), (c)(2)(v), and (c)(8) (i) and (iv).


(21) ANSI B30.6–69 Safety Code for Derricks, IBR approved for §§1910.181(b)(2) and 1910.268(j)(4)(iv) (E) and (H).

(22) ANSI B31.1–55 Code for Pressure Piping, IBR approved for §1910.261(g)(18)(iii).


(29) ANSI B36.1–69 Safety Standard for Powered Industrial Trucks, IBR approved for §§1910.178(a) (2) and (3) and 1910.261 (a)(3)(xv), (b)(6), (m)(2), and (m)(5)(ii).

(30) ANSI B57.1–65 Compressed Gas Cylinder Valve Outlet and Inlet Connections, IBR approved for §1910.253(b)(1)(iii).

(31) [Reserved]


(33) [Reserved]


(35) [Reserved]

(36) ANSI H23.1–70 Seamless Copper Water Tube Specification, IBR approved for §1910.110(b)(8)(ii) and (13)(i)(b)(1).

(37) ANSI H38.7–69 Specification for Aluminum Alloy Seamless Pipe and Seamless Extruded Tube, IBR approved for §1910.110(b)(8)(i).


(41) ANSI K61.1–66 Safety Requirements for the Storage and Handling of Anhydrous Ammonia, IBR approved for §1910.111(b)(11)(i).


(43) ANSI O1.1–54 (R 61) Safety Code for Woodworking Machinery, IBR approved for §1910.261 (a)(3)(xxvi), (e)(7), and (i)(2).

(44) ANSI S1.4–71 (R 76) Specification for Sound Level Meters, IBR approved for §1910.95 appendix D and I.

(45) ANSI S1.11–71 (R 76) Specification for Octave, Half-Octave and Third-Octave Band Filter Sets, IBR approved for §1910.95 appendix D.

(46) ANSI S3.6–69 Specifications for Audiometers, IBR approved for §1910.95(b)(2) and (5)(i) and appendix D.


(48) [Reserved]

(49) ANSI Z9.1–51 Safety Code for Ventilation and Operation of Open Surface Tanks, IBR approved for
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1910.261(a)(3)(xix), (g)(18)(v), and (h)(2)(i).


(51) ANSI Z9.2–60 Fundamentals Governing the Design and Operation of Local Exhaust Systems, IBR approved for §§1910.94(a)(4)(i) introductory text, (a)(6) introductory text, (b)(3)(ix), (b)(4)(i) and (ii), (c)(3)(i) introductory text, (c)(5)(iii)(b), and (c)(7)(iv)(a); 1910.261(a)(3)(xx), (g)(1)(i) and (iii), and (h)(2)(i).


(55) ANSI Z12.30–64 Requirements for Gas Appliances and Gas Piping Installations, IBR approved for §1910.265(c)(15).


(57) ANSI Z23.1–61 Installation of Blower and Exhaust Systems for Dust, Stock, and Vapor Removal or Conveying, IBR approved for §§1910.94(a)(4)(i); 1910.261 (a)(3)(xxii) and (f)(5); and 1910.265(c)(20)(i).

(58) ANSI Z23.1–66 Installation of Blower and Exhaust Systems for Dust, Stock, and Vapor Removal or Conveying, IBR approved for §1910.94(a)(2)(ii).


(62)–(63) [Reserved]

(64) ANSI Z49.1–67 Safety in Welding and Cutting, IBR approved for §1910.252(c)(1)(iv)(A) and (B).


(66) ANSI Z535.1–2006 (R2011), Safety Colors, reaffirmed July 19, 2011; IBR approved for §§1910.97(a) and 1910.145(d). Copies available for purchase from the:


(ii) IHS Standards Store, 15 Inverness Way East, Englewood, CO 80112; telephone: 1–877–413–5184; Web site: www.global.ihs.com; or


(67) ANSI Z535.2–2011, Environmental and Facility Safety Signs, published September 15, 2011; IBR approved for §1910.261(c). Copies available for purchase from the:


(ii) IHS Standards Store, 15 Inverness Way East, Englewood, CO 80112; telephone: 877–413–5184; Web site: www.global.ihs.com; or
(iii) TechStreet Store, 3916 Ranchero Dr., Ann Arbor, MI 48108; telephone: (877) 699–9277; Web site: www.techstreet.com.


(69) ANSI/ISEA Z87.1–2010, Occupational and Educational Personal Eye and Face Protection Devices, Approved April 13, 2010; IBR approved for § 1910.133(b). Copies are available for purchase from:

(i) American National Standards Institute’s e-Standards Store, 25 W 43rd Street, 4th Floor, New York, NY 10036; telephone: (212) 642–4980; Web site: http://webstore.ansi.org/;

(ii) IHS Standards Store, 15 Inverness Way East, Englewood, CO 80112; telephone: (877) 413–5184; Web site: http://global.ihs.com; or


(70) ANSI Z87.1–2003, Occupational and Educational Eye and Face Personal Protection Devices Approved June 19, 2003; IBR approved for §§ 1910.133(b). Copies available for purchase from:

(i) American National Standards Institute’s e-Standards Store, 25 W 43rd Street, 4th Floor, New York, NY 10036; telephone: (212) 642–4980; Web site: http://webstore.ansi.org/;

(ii) IHS Standards Store, 15 Inverness Way East, Englewood, CO 80112; telephone: (877) 413–5184; Web site: http://global.ihs.com; or


(76) ANSI Z41.1–1967 Men’s Safety Toe Footwear; IBR approved for § 1910.261(i)(4).

(77) ANSI Z87.1–1968 Practice for Occupational and Educational Eye and Face Protection; IBR approved for §1910.261(a)(3)(xxv), (d)(1)(ii), (f)(5), (g)(1), (g)(15)(v), (g)(18)(ii), and (i)(4).

(78) ANSI Z89.1–1969 Safety Requirements for Industrial Head Protection; IBR approved for §1910.261(a)(3)(xxvii), (b)(2), (g)(15)(v), and (i)(4).
(79) ANSI Z89.2–1971 Safety Requirements for Industrial Protective Helmets for Electrical Workers, Class B; IBR approved for §1910.268(i)(1).

(f) The following material is available for purchase from the American Petroleum Institute (API), 1220 L Street NW, Washington DC 20005:

(1) [Reserved]


(8) API 2000 (1968) Venting Atmospheric and Low Pressure Storage Tanks, IBR approved for §§1910.103(c)(1)(i)(a); 1910.106(b)(1)(iv)(b)(1); and 1910.111(d)(1)(ii) and (iii).

(g) The following material is available for purchase from the American Society of Mechanical Engineers (ASME), United Engineering Center, 345 East 47th Street, New York, NY 10017:

(1) ASME Boiler and Pressure Vessel Code, Sec. VIII, 1949, 1950, 1952, 1956, 1962, 1965, and 1968 Eds., IBR approved for §§1910.103; 1910.104(b)(4)(i); 1910.106(b)(1)(iv)(b)(2) and (i)(3)(ii); 1910.107; 1910.110(b)(11) (i)(b) and (iii)(a)(7); 1910.111(b)(2) (i), (ii), and (iv); and 1910.169(a)(v)(2) (i) and (ii).

(2) ASME Boiler and Pressure Vessel Code, Sec. VIII, 1968, IBR approved for §§1910.103; 1910.104(b)(4)(i); 1910.106(b)(1)(iv)(b)(2) and (i)(3)(ii); 1910.107; 1910.110(b)(11) (i)(b) and (iii)(a)(7); 1910.111(b)(2) (i), (ii), and (iv); and 1910.169(a)(v)(2) (i) and (ii).

(3) ASME Boiler and Pressure Vessel Code, Sec. VIII, 1968, IBR approved for §§1910.103; 1910.104(b)(4)(i); 1910.106(b)(1)(iv)(b)(2) and (i)(3)(ii); 1910.107; 1910.110(b)(11) (i)(b) and (iii)(a)(7); 1910.111(b)(2) (i), (ii), and (iv); and 1910.169(a)(v)(2) (i) and (ii).


(h) Copies of the standards listed below in this paragraph (h) are available for purchase from ASTM International, 100 Barr Harbor Drive, P.O. Box C700, West Conshohocken, PA 19428–2959; Telephone: 610–832–9585; Fax: 610–832–9555; Email: service@astm.org; Web site: http://www.astm.org. Copies of historical standards or standards that ASTM does not have may be purchased from Information Handling Services, Global Engineering Documents, 15 Inverness Way East, Englewood, CO 80112; Telephone: 1–800–854–7179; Email: global@ihs.com; Web sites: http://global.ihs.com or http://www.store.ihs.com.


(2) ASTM A 53–69, Welded and Seamless Steel Pipe, IBR approved for §§1910.110 and 1910.111.


(8) [Reserved]


(11) ASTM D 5–65, Test for Penetration by Bituminous Materials, IBR approved for §1910.106.

(12) ASTM D 56–70, Test for Flash Point by Tag Closed Tester, IBR approved for §1910.106.

(13) ASTM D 56–05, Standard Test Method for Flash Point by Tag Closed Cup Tester, Approved May 1, 2005, IBR approved for Appendix B to §1910.1200.


(17) ASTM D 93–71, Test for Flash Point by Pensky-Martens, IBR approved for §1910.106.


(i) The following material is available for purchase from the American Welding Society (AWS), 550 NW LeJeune Road, P.O. Box 351040, Miami FL 33135:

(1)–(2) [Reserved]

(3) AWS B3.0–41 Standard Qualification Procedure, IBR approved for §1910.67(c)(5)(1).

(4) AWS D1.0–1966 Code for Welding in Building Construction, IBR approved for §1910.27(b)(6).

(5) AWS D2.0–69 Specifications for Welding Highway and Railway Bridges, IBR approved for §1910.67(c)(5)(iv).


(7) AWS D10.9–69 Standard Qualification of Welding Procedures and Welders for Piping and Tubing, IBR approved for §1910.67(c)(5)(ii).

(j) The following material is available for purchase from the Department of Commerce:

(1) [Reserved]


(k) The following material is available for purchase from the Compressed Gas Association (CGA), 1235 Jefferson Davis Highway, Arlington, VA 22202:

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(11) CGA 1957 Standard Hose Connection Standard, IBR approved for §§1910.253(e)(4)(v) and (d)(iii).
(12) CGA and RMA (Rubber Manufacturer’s Association) Specification for Rubber Welding Hose (1958), IBR approved for §1910.253(c)(5)(1).
(13) CGA 1958 Regulator Connection Standard, IBR approved for §1910.253(e)(4)(iv) and (6).
(1) The following material is available for purchase from the Crane Manufacturer’s Association of America, Inc. (CMAA), 1 Thomas Circle NW, Washington DC 20005:
(1) CMAA Specification 1B61, Specifications for Electric Overhead Traveling Cranes, IBR approved for §1910.179(b)(6)(i).
(2) [Reserved]
(m) The following material is available for purchase from the General Services Administration:
(2) [Reserved]
(n) The following material is available for purchase from the Department of Health and Human Services:
(1) Publication No. 76–120 (1975), List of Personal Hearing Protectors and Attenuation Data, IBR approved for §1910.95 App. B.
(2) [Reserved]
(o) The following material is available for purchase from the Institute of Makers of Explosives (IME), 420 Lexington Avenue, New York, NY 10017:
(1) IME Pamphlet No. 17, 1960, Safety in the Handling and Use of Explosives, IBR approved for §§1910.261(a)(4)(iii) and (c)(14)(ii).
(2) [Reserved]
(p) The following material is available for purchase from the National Electrical Manufacturer’s Association (NEMA):
(2) [Reserved]
(q) The following material is available for purchase from the National Fire Protection Association (NFPA), 1 Batterymarch Park, Quincy, MA 02269; Telephone: 800–344–3555 or 617–770–3000; Fax: 1–600–593–6372 or 1–508–895–8301; Email: custserv@nfpa.org; Web site: http://www.nfpa.org.


(16) [Reserved]


(20) NFPA 86A–1969 Standard for Oven and Furnaces Design, Location and Equipment, IBR approved for §§1910.107(j)(1)(i) and (l)(3) and 1910.108(b)(2) and (d)(2).


(35) NFPA 51A (2001) Standard for Acetylene Cylinder Charging Plants, IBR approved for §1910.102(b) and (c). Copies of NFPA 51A–2001 are available for purchase from the: National Fire Protection Association, 1 Battery march Park, Quincy, MA 02169–7471; telephone: 1–800–344–35557; e-mail: custserv@nfpa.org.
(36) NFPA 51A (2006) Standard for Acetylene Cylinder Charging Plants, IBR approved for §1910.102(b) and (c). Copies of NFPA 51A–2006 are available for purchase from the: National Fire Protection Association, 1 Battery march Park, Quincy, MA 02169–7471; telephone: 1–800–344–35557; e-mail: custserv@nfpa.org.
(r) The following material is available for purchase from the National Food Plant Institute, 1700 K St. NW., Washington, DC 20006:
(1) Definition and Test Procedures for Ammonium Nitrate Fertilizer (Nov. 1964). IBR approved for §1910.109 Table H–22, ftn. 3.
(2) [Reserved]
(s) The following material is available for purchase from the National Institute for Occupational Safety and Health (NIOSH):
(1) Registry of Toxic Effects of Chemical Substances, 1978, IBR approved for §1910.20(c)(13)(i) and appendix B.
(3) NIOSH Recommendations for Occupational Safety and Health Standards (Sept. 1987), IBR approved for §1910.120 PEL definition.
(t) The following material is available for purchase from the Public Health Service:
(1) U.S. Pharmacopoeia, IBR approved for §1910.134(d)(1).
(u) The following material is available for purchase from the Society of Automotive Engineers (SAE), 485 Lexington Avenue, New York, NY 10017:
(1) SAE J185, June 1988, Recommended Practice for Access Systems for Off-Road Machines, IBR approved for §1910.266(f)(3)(ii).
(5) SAE 765 (1961) SAE Recommended Practice: Crane Loading Stability Test Code, IBR approved for §1910.180 (c)(1)(iii) and (e)(2)(iii)(a).
(v) The following material is available for purchase from the Fertilizer Institute, 1015 18th Street NW, Washington, DC 20036:
(2) [Reserved]
(w) The following material is available for purchase from Underwriters Laboratories (UL), 207 East Ohio Street, Chicago, IL 60611:
(2) UL 80–63 Steel Inside Tanks for Oil-Burner Fuel, IBR approved for §1910.106(b)(1)(iii)(a)(I).
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(x) The following material is available for purchase from the: International Code Council, Chicago District Office, 4051 W. Flossmoor Rd., Country Club Hills, IL 60478; telephone: 708–799–2300, x3–3801; facsimile: 001–708–799–4081; e-mail: order@iccSAFE.org.


(2) [Reserved]

(y)(1) The following materials are available for purchase from the International Standards Organization (ISO) through ANSI, 25 West 43rd Street, Fourth Floor, New York, NY 10036–7417; Telephone: 212–642–4980; Fax: 212–302–1286; Email: info@ansi.org; Web site: http://www.ansi.org.

(2) Documents not available in the ANSI store may be purchased from:
   (i) Document Center Inc., 111 Industrial Road, Suite 9, Belmont, 94002; Telephone: 650–591–7600; Fax: 650–591–7617; Email: info@document-center.com; Web site: www.document-center.com.
   (ii) DECO—Document Engineering Co., Inc., 15210 Stagg Street, Van Nuys, CA 91405; Telephone: 800–645–7732 or 818–782–1010; Fax: 818–782–2374; Email: doceng@doceng.com;
   (iii) Global Engineering Documents, 15 Inverness Way East, Englewood, CO 80112; Telephone: 1–800–854–7179 or 303–397–7066; Fax: 303–397–2740; Email: global@ihhs.com; Web sites: http://global.ihhs.com or http://www.store.ihhs.com;
   (v) Techstreet, a business of Thomson Reuters, 3916 Ranchero Drive, Ann Arbor, MI 48108; Telephone: 800–699–9277 or 734–780–8000; Fax: 734–780–2046; Email: techstreet.service@thomsonreuters.com;


   (i) Bernan, 15200 NBN Way, Blue Ridge Summit, PA 17214; telephone: 1–800–995–3457; fax: 1–800–995–3450; email: customercare@bernan; Web site: http://www.bernan.com; and


[39 FR 23502, June 27, 1974]

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting §1910.6, see the List of CFR Sections Affected, which appears in the Finding Aids section of the printed volume and at www.fdsys.gov.

§ 1910.7 Definition and requirements for a nationally recognized testing laboratory.

(a) Application. This section shall apply only when the term nationally recognized testing laboratory is used in other sections of this part.

(b) Laboratory requirements. The term nationally recognized testing laboratory (NRTL) means an organization which is recognized by OSHA in accordance with appendix A of this section and which tests for safety, and lists or accepts, equipment or materials and which meets all of the following criteria:

(1) For each specified item of equipment or material to be listed, labeled