

Part VI—Referenced Standards

CHAPTER 80 REFERENCED STANDARDS

User note:

About this chapter: This code contains numerous references to standards promulgated by other organizations that are used to provide requirements for materials and methods of construction. This chapter contains a comprehensive list of all standards that are referenced in this code. These standards, in essence, are part of this code to the extent of the reference to the standard.

This chapter lists the standards that are referenced in various sections of this document. The standards are listed herein by the promulgating agency of the standard, the standard identification, the effective date and title, and the section or sections of this document that reference the standard. The application of the referenced standards shall be as specified in Section 102.7.

AASHTO

American Association of State Highway and Transportation Officials
444 North Capitol Street, NW, Suite 249
Washington, DC 20001

HB-17—2002: Specification for Highway Bridges, 17th Edition 2002
503.2.6

AFSI

Architectural Fabric Structures Institute
c/o Industrial Fabric Association International
1801 County Road B West
Roseville, MN 55113

FSAAS—16: Fabric Structures Associated Air Structures 2016
3103.10.2

ANSI

American National Standards Institute
25 West 43rd Street, 4th Floor
New York, NY 10036

ANSI E1.21—2013: Entertainment Technology: Temporary Ground Supported Overhead Structures Used to Cover the Stage Areas and Support Equipment in the Production of Outdoor Entertainment Events
3105.1, 3105.4, 3105.5

ANSI Z21.69/CSA 6.16—09: Connectors for Movable Gas Appliances
319.5, 607.4

API

American Petroleum Institute
1220 L Street, NW
Washington, DC 20005

Spec 12P—3rd Edition (Reaffirmed 2008): Specification for Fiberglass Reinforced Plastic Tanks
5704.2.13.1.5

RP 651—3rd Edition (2007): Cathodic Protection of Aboveground Petroleum Storage Tanks
5706.7, 5706.7.1

Std 653—4th Edition (2009): Tank Inspection, Repair, Alteration and Reconstruction
5706.7

RP 752—3rd Edition (2009): Management of Hazards Associated with Location of Process Plant Buildings, CMA Managers Guide
5706.7

RP 1604—3rd Edition (1996 R2010): Closure of Underground Petroleum Storage Tanks
5704.2.13

REFERENCED STANDARDS

API—continued

- RP 1615—(1996) 6th Edition (2011): Installation of Underground-petroleum Storage Systems**
5704.2.13.1.5, 5706.7
- Std 2000—6th Edition (2009): Venting Atmosphere and Low-pressure Storage Tanks: Nonrefrigerated and Refrigerated**
5704.2.7.3.2
- RP 2001—9th Edition (2012): Fire Protection in Refineries, 8th Edition**
5706.7
- RP 2003—7th Edition (2008): Protection Against Ignitions Arising out of Static, Lightning and Stray Currents**
5706.7
- Publ 2009—7th Edition (2002, R2012): Safe Welding and Cutting Practices in Refineries, Gas Plants and Petrochemical Plants**
5706.7
- Std 2015—6th Edition 2001 (R2006): Safe Entry and Clearing of Petroleum Storage Tanks**
5706.7, 5706.7.2
- RP 2023—3rd Edition (2001, R2006): Guide for Safe Storage and Handling of Heated Petroleum-derived Asphalt Products and Crude-oil Residue**
5706.7, 5706.7.3
- Publ 2028 3rd Edition—(2002, R2012): Flame Arrestors in Piping Systems**
5704.2.7.3.2
- Publ 2201 5th Edition—(2003, R2010): Procedures for Welding or Hot Tapping on Equipment in Service**
5706.7
- RP 2350—4th Edition (2012): Overfill Protection for Storage Tanks in Petroleum Facilities, 3rd Edition**
5704.2.7.5.8, 5706.4.6, 5706.7

ASCE/SEI

American Society of Civil Engineers
Structural Engineering Institute
1801 Alexander Bell Drive
Reston, VA 20191-4400

- ASCE/SEI 24—14: Flood Resistant Design and Construction**
1203.1.8

ASHRAE

ASHRAE
1791 Tullie Circle NE
Atlanta, GA 30329

- 15—2016: Safety Standard for Refrigeration Systems**
605.1.1, 605.17.2

ASME

American Society of Mechanical Engineers
Two Park Avenue
New York, NY 10016-5990

- A13.1—2015: Scheme for the Identification of Piping Systems**
3509.3, 5003.2.2.1, 5303.4.3, 5503.4.5, 5703.5.2
- ASME A17.1—2016/CSA B44—16: Safety Code for Elevators and Escalators**
508.1.6, 606.1, 907.3.3, 1009.4.1
- A17.3—2015: Safety Code for Existing Elevators and Escalators**
1103.3.1, 1103.3.2
- B16.18—2012: Cast Copper-Alloy Solder Joint Pressure Fittings**
909.13.1
- B16.22—2013: Wrought Copper and Copper-alloy Solder-joint Pressure Fittings**
909.13.1
- B31.1—2016: Power Piping**
5003.2.2, Table 5703.6.2
- B31.3—2016: Process Piping**
5003.2.2.2, Table 5703.6.2

ASME—continued

- B31.4—2015: Pipeline Transportation Systems for Liquids and Slurries**
Table 5703.6.2
- B31.9—2014: Building Services Piping**
Table 5703.6.2, 5703.6.3, 5703.6.11
- BPVC—2015: ASME Boiler and Pressure Vessel Code (Sections I, II, IV, V & VI, VIII)**
5003.2.1, 5303.2, 5303.3.2, 5503.2.6, 5503.4.3, 5503.7, 5704.2.13.1.5, 5806.3.1, 5806.4.1, 5806.4.8

ASSE

American Society of Safety Engineers
520 N. Northwest Highway
Park Ridge, IL 60068

- ANSI/ASSE Z359.1—2016: Requirements for the ANSI/ASSE Z359 Fall Protection Code**
1015.6, 1015.7

ASTM

ASTM International
100 Barr Harbor Drive, P.O. Box C700
West Conshohocken, PA 19428-2959

- B42—2015A: Specification for Seamless Copper Pipe, Standard Sizes**
909.13.1
- B43—15: Specification for Seamless Red Brass Pipe, Standard Sizes**
909.13.1
- B68/B58M—11: Specification for Seamless Copper Tube, Bright Annealed (Metric)**
909.13.1
- B88—14: Specification for Seamless Copper Water Tube**
909.13.1
- B251—10: Specification for General Requirements for Wrought Seamless Copper and Copper-alloy Tube**
909.13.1
- B280—13: Specification for Seamless Copper Tube for Air Conditioning and Refrigeration Field Service**
909.13.1
- D56—05(2010): Test Method for Flash Point by Tag Closed Cup Tester**
202
- D86—15: Test Method for Distillation of Petroleum Products at Atmospheric Pressure**
202
- D92—12b: Test Method for Flash and Fire Points by Cleveland Open Cup Tester**
202, 2401.2, 5104.1.1, 5701.2
- D93—15: Test Method for Flash Point by Pensky-Martens Closed Up Tester**
202
- D323—2015A: Test Method for Vapor Pressure of Petroleum Products (Reid Method)**
202
- D2859—16: Standard Test Method for Ignition Characteristics of Finished Textile Floor Covering Materials**
804.3.3.1, 804.3.3.2
- D3278—96(2011): Test Methods for Flash Point of Liquids by Small Scale Closed-cup Apparatus**
202
- E84—2016: Standard Test Method for Surface Burning Characteristics of Building Materials**
202, 803.1, 803.1.2, 803.3, 803.5.2, 803.10, 803.12, 803.13,
804.1.1, 804.1.2, 804.2.4
- E108—2016: Standard Test Methods for Fire Tests of Roof Coverings**
317.2, 317.3
- E648—15e1: Standard Test Method for Critical Radiant Flux of Floor-covering Systems Using a Radiant Heat Energy Source**
804.3.1, 804.3.2, 804.4
- E681—09(2015): Test Method for Concentration Limits of Flammability of Chemicals (Vapors and Gases)**
202

REFERENCED STANDARDS

ASTM—continued

- E1354—2016: Standard Test Method for Heat and Visible Smoke Release Rates for Materials and Products Using an Oxygen Consumption Calorimeter**
304.3.2, 304.3.4, 318.1, 808.1, 808.2, 2310.5.3, 3304.2.3, 3603.4
- E1529—14a: Standard Test Method for Determining Effects of Large Hydrocarbon Pool Fires on Structural Members and Assemblies**
5704.2.9.2.3
- E1537—2015: Test Method for Fire Testing of Upholstered Furniture**
805.1.1.2, 805.2.1.2, 805.3.1.2, 805.4.1.2
- E1590—13: Test Method for Fire Testing of Mattresses**
805.1.2.2, 805.2.2.2, 805.3.2.2.1, 805.4.2.2
- E1966—2015: Standard Test Method for Fire-resistant Joint Systems**
202
- E2072—14: Standard Specification for Photoluminescent (Phosphorescent) Safety Markings**
1025.4
- E2404—15a: Standard Practice for Specimen Preparation and Mounting of Textile, Paper or Polymeric (Including Vinyl) and Wood Wall or Ceiling Coverings, Facing and Veneers to Assess Surface Burning Characteristics:**
803.5.1, 803.5.2, 803.12
- E2573—12: Standard Practice for Specimen Preparation and Mounting of Site-fabricated Stretch Systems to Assess Surface Burning Characteristics**
803.10
- E2579—13: Standard Practice for Specimen Preparation and Mounting of Wood Products to Assess Surface Burning Characteristics**
803.13
- F1085—14: Standard Specification for Mattress and Box Springs for Use in Berths in Marine Vessels**
805.3.2.2.2
- F2006—17: Standard/Safety Specification for Window Fall Prevention Devices for Non-emergency Escape (Egress) and Rescue (Ingress) Windows**
1015.8
- F2090—17: Specification for Window Fall Prevention Devices with Emergency Escape (Egress) Release Mechanisms**
1015.8, 1015.8.1, 1030.1.1
- F2200—14: Standard Specification for Automated Vehicular Gate Construction**
503.5, 503.6

BHMA

Builders Hardware Manufacturers' Association
355 Lexington Avenue, 15th Floor
New York, NY 10017

- A156.10—2011: American National Standard for Power-operated Pedestrian Doors**
1010.1.4.2
- A156.19—2013: American National Standard for Power Assist and Low-energy Power-operated Doors**
1010.1.4.2
- A156.27—2011: Power- and Manual-operated Revolving Pedestrian Doors**
1010.1.4.1, 1010.1.4.1.1
- A156.38—2014: Low-energy Power-operated Sliding and Folding Doors**
1010.1.4.2

CA

State of California Department of Consumer Affairs
Bureau of Electronics and Appliance Repair, Home Furnishings and Thermal Insulation
4244 South Market Court, Suite D
Sacramento, CA 95834-1243

- California Technical Bulletin 129—1992: Flammability Test Procedure for Mattresses for Use in Public Buildings**
805.1.2.2, 805.2.2.2, 805.3.2.2.1, 805.4.2.2
- California Technical Bulletin 133—1991: Flammability Test Procedure for Seating Furniture for Use in Public Occupancies**
805.1.1.2, 805.2.1.2, 805.4.1.2

CGA

Compressed Gas Association
14501 George Carter Way, Suite 103
Chantilly, VA 20151

- C-7—(2014): Guide to Classification and Labeling of Compressed Gases**
5303.4.2, 5503.4.2
- ANSI/CGA G-13—(2015): Storage and Handling of Silane and Silane Mixtures (an American National Standard)**
6404.1, 6404.2, 6405.3
- P-1—(2015): Standard for Safe Handling of Compressed Gases in Containers**
5305.7
- ANSI/CGA P-18—(2013): Standard for Bulk Inert Gas Systems**
5501.1
- S-1.1—(2017): Pressure Relief Device Standards—Part 1—Cylinders for Compressed Gases**
5303.3.2, 5503.2
- S-1.2—(2009): Pressure Relief Device Standards—Part 2—Cargo and Portable Tanks for Compressed Gases**
5303.3.2, 5503.2
- S-1.3—(2016): Pressure Relief Device Standards—Part 3—Stationary Storage Containers for Compressed Gases**
5303.3.2, 5503.2
- V-1—(2013): Standard for Gas Cylinder Valve Outlet and Inlet Connections**
3505.2.1

CGR

Coast Guard Regulations
c/o Superintendent of Documents
U.S. Government Printing Office
Washington, DC 20402-9325

- 46 CFR Parts 30, 32, 35 & 39—1999: Shipping**
5706.8

CPSC

Consumer Product Safety Commission
4330 East-West Highway
Bethesda, MD 20814

- 16 CFR Part 1500—2009: Hazardous Substances and Articles; Administration and Enforcement Regulations**
202, 5601.1.3
- 16 CFR Part 1500.41—2009: Method for Testing Primary Irritant Substances**
202
- 16 CFR Part 1500.42—2009: Test for Eye Irritants**
202
- 16 CFR Part 1500.44—2009: Method for Testing Extremely Flammable and Flammable Solids**
202
- 16 CFR Part 1507—2002: Fireworks Devices**
202, 5601.1.3
- 16 CFR Part 1630—2007: Standard for the Surface Flammability of Carpets and Rugs**
804.3.3.1, 804.3.3.2

DOC

U.S. Department of Commerce
1401 Constitution Avenue, NW
Washington, DC 20230

- 16 CFR Part 1632—2015: Standard for the Flammability of Mattress and Mattress Pads (FF 4-72, Amended)**
805.1.2.1, 805.2.2.1, 805.3.2.1, 805.4.2.1

REFERENCED STANDARDS

DOL

U.S. Department of Labor
c/o Superintendent of Documents
U.S. Government Printing Office
Washington, DC 20402-9325

29 CFR Part 1910.1000—2015: Air Contaminants

202, 2104.2.1

29 CFR Part 1910.1200—2015: Hazard Communication

202, 5603.6

DOTn

U.S. Department of Transportation
Office of Hazardous Material Safety
1200 New Jersey Avenue SE
East Building, 2nd Floor
Washington, DC 20590

33 CFR Part 154—2015: Facilities Transferring Oil or Hazardous Material in Bulk

5706.8

33 CFR Part 155—2015: Oil or Hazardous Material Pollution Prevention Regulations for Vessels

5706.8

33 CFR Part 156—2015: Oil and Hazardous Material Transfer Operations

5706.8

49 CFR Parts 100-185—2015: Hazardous Materials Regulations

202, 3505.4, 5303.2, 5503.4.3, 5503.7, 5601.1, 5601.1.3, 5601.3, 5706.5.1.15

49 CFR Part 172—2015: Hazardous Materials Tables, Special Provisions, Hazardous Materials Communications, Emergency Response Information and Training Requirements

5604.6.5.2

49 CFR Part 173—2009: Shippers—General Requirements for Shipments and Packagings

5104.1.1, 5606.3

49 CFR Part 173.137—2009: Shippers—General Requirements for Shipments and Packagings: Class 8—Assignment of Packing Group

202

DOTy

U.S. Department of Treasury
c/o Superintendent of Documents
U.S. Government Printing Office
Washington, DC 20402-9325

27 CFR Part 55—2015: Commerce in Explosives, as amended through April 1, 1998

202, 5604.6.5.2

EN

European Committee for Standardization (EN)
Central Secretariat
Rue de Stassart 36
B-10 50 Brussels

European Standard EN 1081—1998: Resilient Floor Coverings—Determination of the Electrical Resistance

2309.5.1.1

FCC

Federal Communications Commission
Wireless Telecommunications Bureau (WTB)
445 12th Street SW
Washington, DC 20554

47 CFR Part 90.219—2014: Private Land Mobile Radio Services—Use of Signal Boosters

510.5.4

FM

FM Approvals
 Headquarters Office
 1151 Boston-Providence Turnpike
 P.O. Box 9102
 Norwood, MA 02062

4430—12: Approval Standard for Heat and Smoke Vents
 910.3.1

ANSI/FM 4996—15: Approval Standard for Classification of Pallets and Other Material Handling Products as Equivalent to Wood Pallets
 315.7.5, 3206.4.1.1

ICC

International Code Council, Inc.
 500 New Jersey Avenue, NW
 6th Floor
 Washington, DC 20001

ICC A117.1—09: Accessible and Usable Buildings and Facilities
 907.5.2.3.3, 1009.8.2, 1009.9, 1009.11, 1010.1.9.8.1, 1012.1, 1012.6.5, 1012.10, 1013.4, 1023.9

ICC 300—17: Standard on Bleachers, Folding and Telescopic Seating and Grandstands
 1029.1.1, 1029.17

IBC—18: International Building Code®
 102.4, 201.3, 202, 304.1.3, 306.1, 311.1.1, 311.3, 313.1, 317.1, 403.8.3.2, 403.11.4, 404.2.1, 504.1, 508.1, 508.1.2, 603.2, 603.3.2.5, 603.6.1, 603.8, 606.3, 606.4, 606.5, 606.6, 701.1, 801.1, 803.1, Table 803.3, 803.11.1, 803.11.2, 803.15, 807.2, 807.5.1.2, 808.1, 808.2, 901.4.1, 901.4.2, 901.4.3, 903.2, 903.2.5.2, 903.2.9.1, 903.2.10, 903.3.1.1.1, 903.3.1.2, 903.3.1.2.1, 903.3.1.2.3, 903.3.2, 904.13, 907.1.1, 907.2.1, 907.2.6.2, 907.2.6.3.3, 907.2.7, 907.2.12, 907.2.17, 907.2.20, 907.5.2.1, 907.6.6, 909.1, 909.2, 909.3, 909.4.3, 909.5, 909.5.3, 909.5.3.1, 909.5.3.2, 909.6.3, 909.10.5, 909.11.1, 909.18.8, 909.21.1, 910.4.5, Table 911.1, 911.2, 913.2.1, 914.1, 914.2.1, 914.3.1, 914.3.2, 914.4.1, 914.5.3, Table 914.8.3, 914.8.3.2, 914.10, 915.1.6, 1003.2, 1003.5, Table 1004.5, 1004.6, 1005.7.2, 1006.2.1, Table 1006.2.1, 1008.3.4, 1009.2, 1009.4.1, 1009.4.2, 1009.5, 1009.6.4, 1009.7.2, 1010.1.4.1, 1010.1.4.3, 1010.1.5, 1010.1.7, 1010.1.9.1, 1010.1.9.12, 1011.10, 1011.11, 1011.12.2, 1012.6.3, 1012.6.4, 1014.1, 1015.2, 1015.2.1, 1016.2, Table 1017.2, 1018.3, 1018.5, 1019.3, 1019.4, 1020.1, Table 1020.1, 1020.1.1, 1021.4, 1023.2, 1023.3.1, 1023.4, 1023.5, 1023.6, 1023.7, 1023.11, 1023.11.1, 1023.11.2, 1024.3, 1024.5, 1024.6, 1024.7, 1026.2, 1026.3, 1026.4.1, 1027.5, 1028.1, 1029.1.1.1, 1029.14.1, 1029.16.4, 1101.2, 1101.3, 1103.3.2, 1103.4.1, 1103.4.8, 1103.4.9.1, 1103.4.9.2.1, 1103.4.9.2.2, 1103.4.9.4, 1103.4.9.5, 1103.4.10, 1104.5, 1104.17, 1104.17.1, 1104.18, Table 1104.18, 1105.4.1, 1105.4.3.1, 1105.4.3.2, 1105.5.7, 1105.7.2, 1105.7.3, 1105.7.4, 1105.7.5, 1105.7.6, 1105.8, 1203.1, 1203.1.3, 1203.1.8, 1203.2.1, 1203.2.7, 1203.2.8, 1203.2.10, 1203.2.15, 1203.2.18, 1204.1, 1205.6.2, 1206.2.3.2, 1206.2.4, 1206.2.8.2, 1206.2.8.3, 1206.2.9, 1206.3.2.2, 1206.3.3, 2004.6, 2006.17, 2007.1, 2007.4, 2103.3, 2107.1, 2301.1, 2301.4, 2303.1, 2307.4, 2308.3, 2308.3.1, 2308.3.1.2, 2309.3.1.5.1, 2309.3.2, 2310.1, 2311.1, 2311.3.1, 2311.4.1, 2311.8.3, 2404.2, 2404.3.1, 2404.3.3.6, 2404.3.4, 2405.2, 2701.1, 2701.4, 2703.2.2, 2703.3.1, 2703.3.2, 2703.3.3, 2703.3.4, 2703.3.8, 2703.14, 2703.14.1, 2703.14.2, 2703.15.1, 2704.3.1, 2705.2.3.2, 2705.3.1, 2705.3.2.1, 2705.3.3, 2803.1, 2905.1, 2909.2, 2909.4, 2909.6, 3101.1, 3103.1, 3103.3.1, 3103.8.2, 3103.8.4, 3103.9.1, 3103.9.2, 3103.9.3, 3104.1, 3105.5, 3201.3, 3206.3.2, 3206.9, 3207.2, 3208.2, 3314.1, 3403.1, 3704.3, 3704.4, 3704.5, 3801.1, 3801.2, 3804.1, 3804.1.1.1, Table 3805.4, Table 3806.2.1, 3901.1, 3903.1, 3904.1, 5003.2.2.2, 5003.2.8, 5003.8.1, Table 5003.8.2, 5003.8.3, 5003.8.3.1, 5003.8.4.1, 5003.9.9, 5004.13, 5005.2, 5005.3.9, 5101.1, 5303.16.1, 5303.16.2, 5306.1, 5306.2, 5306.2.1, 5306.2.2, 5307.4.6, 5503.1.2, 5503.5.2, 5504.2.1.2, 5504.2.2.2, 5505.4.1, 5604.2, Table 5604.5.2(3), 5605.5, 5701.3, 5704.2.7.7, 5704.2.8.1, 5704.2.8.2, 5704.2.9.3, 5704.2.9.4, 5704.3.3.5, 5704.3.7.1, 5704.3.8, 5705.3.4, 5705.3.5.3, 5705.3.7.1, 5705.3.7.2, 5705.3.7.3, 5705.3.7.4, 5705.3.7.5.1, 5706.2.3, 5706.4.1, 5803.1.1, 5806.4.3, 5808.1, 5808.3, 5808.3.2, 5906.2.2, 5906.2.3, 5906.4.2, 6003.1.4.2, 6005.3.1, 6109.11.2, 6204.1.2, 6306.4, 6404.1.4, 6604.1

IEBC—18: International Existing Building Code®
 102.3, 1011.5.2, 1103.1, 1104.18, 1105.5.2

REFERENCED STANDARDS

ICC—continued

IFGC—18: International Fuel Gas Code®

201.3, 603.1, 603.1.2, 603.5.2, 603.8, 1205.9, 2301.1, 2301.6, 2309.3.1.2, 2309.3.1.5, 2504.5, 3001.1, 3003.1, 3004.1, 3004.2, 3107.12.1, 3107.12.2, 3107.13.1, 3303.3, 3306.2.1, Table 5003.1.1(1), 5301.1, 5801.1, 5803.1.4, 6103.1, 6103.2.1.7, 6103.3

IMC—18: International Mechanical Code®

201.3, 308.3, 603.1, 603.1.2, 603.2, 603.3, 603.3.2.4, 603.5.2, 603.8, 605.1, 605.2, 605.3, 605.4, 605.7, 605.8.1, 605.9, 605.16, 607.1, 607.2, 903.2.11.4, 904.12, 907.3.1, 909.1, 909.10.2, 909.13.1, 910.4.7, 915.6.1, 1006.2.2.3, 1011.16, 1020.5.1, 1206.2.11.3, 1206.3.5.3, 2104.2.1, 2105.3, 2301.1, 2301.6, 2309.3.1.2, 2311.3.1, 2311.4.3, 2311.8.2, 2311.8.8, 2311.8.10, 2404.7, 2404.7.2, 2504.5, 2703.2.2, 2703.10.4, 2703.14, 2803.2, 2803.3, 3001.1, 3003.1, 3004.2, 3107.12.1, 3107.12.2, 3703.5, 3804.1.1.7, 3904.1, Table 5003.1.1(1), 5003.8.4.2, 5003.8.5.2, 5003.8.6.2, 5004.3.1, 5303.7.6, 5303.16.9, 5305.5, 5306.2.2, 5306.2.3, 5307.4.4, 5504.2.1.3, 5504.2.2.3, 5505.4.1.1, 5701.3, 5703.6.1, 5704.2.8.9, 5705.3.7.5.1, 5706.2, 5706.4.4, 6003.1.3, 6003.2.3.2, 6004.2.2.7, 6005.3.1, 6005.3.2, 6103.2.1.7

IPC—18: International Plumbing Code®

201.3, 903.3.5, 904.11.1.3, 912.6, 2311.2.3, 5004.2.2.6

IPMC—18: International Property Maintenance Code®

311.1.1

IRC—18: International Residential Code®

102.5, 202, 1001.1, 1204.1, 1204.2.1

IWUIC—18: International Wildland-Urban Interface Code®

304.1.2

IIAR

International Institute of Ammonia Refrigeration
1001 N. Fairfax Street, Suite 503
Alexandria, VA 22314

IIAR-2—2014: Safe Design of Closed-circuit Ammonia Refrigerating Systems

605.1.2, 605.8

IIAR-7—2013: Developing Operating Procedures for Closed-circuit Ammonia Mechanical Refrigerating Systems

605.1.2

IIAR-8—2015: Decommissioning of Closed-circuit Ammonia Refrigerating Systems

605.1.2

IKECA

International Kitchen Exhaust Cleaning Association
100 North 20th Street, Suite 400
Philadelphia, PA 19103

C10—2016: IKECA C10, Standard for the Methodology for Cleaning of Commercial Kitchen Exhaust Systems

607.3.3.2

ISO

International Organization for Standardization (ISO)
ISO Central Secretariat
1 ch, de la Voie-Creuse, Case postale 56
CH-1211 Geneva 20, Switzerland

ISO 8115—86: Cotton Bales—Dimensions and Density

Table 2704.2.2.1, Table 5003.1.1(1)

NEMA

National Electrical Manufacturer's Association
1300 North 17th Street
Suite 900
Rosslyn, VA 22209

250—2014: Enclosures for Electrical Equipment (1,000 Volt Maximum)

6005.2

NFPA

National Fire Protection Association
 1 Batterymarch Park
 Quincy, MA 02169-7471

- 02—16: Hydrogen Technologies Code**
 1205.3, 1205.4, 2309.3.1.1, 2309.3.1.2, 2309.6, 2311.8, 2311.8.2, 2311.8.10, 2311.8.11, 5301.1, 5801.1
- 04—15: Standard for Integrated Fire Protection and Life Safety System Testing**
 901.6.2.1, 901.6.2.2
- 10—18: Standard for Portable Fire Extinguishers**
 Table 901.6.1, 906.2, Table 906.3(1), Table 906.3(2), 906.3.2, 906.3.4, 3006.3
- 11—16: Standard for Low-, Medium-, and High-expansion Foam**
 904.7, 5704.2.9.2.2
- 12—15: Standard on Carbon Dioxide Extinguishing Systems**
 Table 901.6.1, 904.8, 904.12
- 12A—15: Standard on Halon 1301 Fire Extinguishing Systems**
 Table 901.6.1, 904.9
- 13—16: Standard for the Installation of Sprinkler Systems**
 315.3.1, Table 507.3, 901.11.1, 901.11.2, 903.2.8.4, 903.3.1.1, 903.3.1.1.1, 903.3.1.6.2, 903.3.1.6.4, 903.3.2, 903.3.8.2, 903.3.8.5, 904.12, 905.2.1.4, 907.6.4, 914.3.2, 1019.3, Table 1103.4, 1206.2.11.1, 1206.3.5.1, 3201.1, 3204.2, Table 3206.2, 3206.4.1, 3206.10, 3207.2, 3207.2.1, 3208.2.2, 3208.2.2.1, 3208.4, 3210.1, 3401.1, 5104.1, 5104.1.1, 5106.5.7, 5704.3.3.9, Table 5704.3.6.3(7), 5704.3.7.5.1, 5704.3.8.4
- 13D—16: Standard for the Installation of Sprinkler Systems in One- and Two-family Dwellings and Manufactured Homes**
 903.3.1.3, 903.3.1.6.6
- 13R—16: Standard for the Installation of Sprinkler Systems in Low-rise Residential Occupancies**
 903.3.1.2, 903.3.5.2, 903.4
- 14—16: Standard for the Installation of Standpipe and Hose Systems**
 905.2, 905.4.2, 905.6.2, 905.8
- 15—17: Standard for Water Spray Fixed Systems for Fire Protection**
 5704.2.9.2.3
- 16—15: Standard for the Installation of Foam-water Sprinkler and Foam-water Spray Systems**
 904.7, 904.12
- 17—17: Standard for Dry Chemical Extinguishing Systems**
 Table 901.6.1, 904.6, 904.12
- 17A—17: Standard for Wet Chemical Extinguishing Systems**
 Table 901.6.1, 904.5, 904.12
- 20—16: Standard for the Installation of Stationary Pumps for Fire Protection**
 913.1, 913.2, 913.5.1
- 22—18: Standard for Water Tanks for Private Fire Protection**
 507.2.2
- 24—16: Standard for Installation of Private Fire Service Mains and Their Appurtenances**
 507.2.1, 2809.5
- 25—17: Standard for the Inspection, Testing and Maintenance of Water-based Fire Protection Systems**
 507.5.3, Table 901.6.1, 904.7.1, 912.7, 913.5
- 30—18: Flammable and Combustible Liquids Code**
 608.1, 5701.2, 5703.6.2, 5703.6.2.1, 5704.2.7, 5704.2.7.1, 5704.2.7.2, 5704.2.7.3.2, 5704.2.7.4, 5704.2.7.6, 5704.2.7.7, 5704.2.7.8, 5704.2.7.9, 5704.2.9.3, 5704.2.9.4, 5704.2.9.6.1.1, 5704.2.9.6.1.2, 5704.2.9.6.1.3, 5704.2.9.6.1.4, 5704.2.9.6.1.5, 5704.2.9.6.2, 5704.2.9.7.3, 5704.2.10.2, 5704.2.11.2.1, 5704.2.11.3, 5704.2.11.4.2, 5704.2.12.1, 5704.3.1, 5704.3.1.2, 5704.3.6, Table 5704.3.6.3(1), Table 5704.3.6.3(2), Table 5704.3.6.3(3), 5704.3.7.2.3, 5704.3.8.4, 5706.8.3
- 30A—18: Code for Motor Fuel-dispensing Facilities and Repair Garages**
 2301.4, 2301.5, 2301.6, 2306.6.3, 2310.1

M
N
N
N
N
N
N
N

M
N

M
N

M
N
N
N
N
N
N
N
N

REFERENCED STANDARDS

NFPA—continued

- 30B—15: Code for the Manufacture and Storage of Aerosol Products**
5101.1, 5103.1, 5104.1, Table 5104.3.1, Table 5104.3.2, Table 5104.3.2.2, 5104.3.3, 5104.4.1, 5104.5.2, 5104.6, 5104.8.2, 5106.2.2, 5106.2.4, 5106.3.2, Table 5106.4, 5106.5.1, 5106.5.6, 5107.1
- 31—16: Standard for the Installation of Oil-burning Equipment**
603.1.7, 603.3.1, 603.3.3
- 32—16: Standard for Dry Cleaning Plants**
2107.1, 2107.3
- 33—16: Standard for Spray Application Using Flammable or Combustible Materials**
2403.3
- 34—15: Standard for Dipping, Coating and Printing Processes Using Flammable or Combustible Liquids**
2405.3, 2405.4.1.1
- 35—16: Standard for the Manufacture of Organic Coatings**
2901.3, 2905.4
- 40—16: Standard for the Storage and Handling of Cellulose Nitrate Film**
306.2
- 45—15: Standard on Fire Protection for Laboratories Using Chemicals (2015 Edition)**
3803.1.5, 3804.1.1.7, 3805.2.1, 3805.2.2
- 51—18: Standard for the Design and Installation of Oxygen-fuel Gas Systems for Welding, Cutting and Allied Processes**
3501.5, 3507.1, 3509.1
- 52—16: Vehicular Gaseous Fuel System Code**
319.9.2, 5301.1
- 55—16: Compressed Gases and Cryogenic Fluids Code**
3508.1, 5301.1, 5307.4.2, 5501.1, 5801.1, 6301.1
- 56—17: Standard for Fire and Explosion Prevention during Cleaning and Purging of Flammable Gas Piping Systems**
3306.2.1
- 58—17: Liquefied Petroleum Gas Code**
319.8.3, 603.4.2.1.1, 2311.5, 3903.6, 6101.1, 6102.1
- 59A—16: Standard for the Production, Storage and Handling of Liquefied Natural Gas (LNG)**
5301.1, 5501.1
- 61—17: Standard for the Prevention of Fires and Dust Explosions in Agricultural and Food Processing Facilities**
Table 2204.1
- 69—14: Standard on Explosion Prevention Systems**
911.1, 911.3, Table 2204.1
- 70—17: National Electrical Code**
309.2, 603.1.3, 603.1.7, 603.5.2, 604.3, 604.3.1, 604.4, 604.9, 605.16, 605.17, 608.6, 608.7, 904.3.1, 907.6.1, 909.12.2, 909.16.3, 910.4.6, 1201.2, 1203.1.3, 1204.1, 1205.4, 1206.2.8.6.1, 1206.3, 1206.3.2.5, 2006.3.4, 2104.2.3, 2108.2, Table 2204.1, 2301.5, 2305.4, 2308.8.1.2.4, 2309.2.3, 2311.3.1, 2311.8.10, 2403.2.1, 2403.2.1.1, 2403.2.1.4, 2403.2.5, 2404.6.1.2.2, 2404.9.4, 2504.5, 2603.2.1, 2703.7.1, 2703.7.2, 2703.7.3, 2803.4, 2904.1, 3103.12.6.1, 3106.6, 3107.12.7, 3304.7, 3506.4, 5003.8.7.1, 5003.9.4, 5303.7.6, 5303.8, 5303.16.11, 5303.16.14, 5503.6, 5503.6.2, 5703.1, Table 5703.1.1, 5703.1.3, 5704.2.8.12, 5704.2.8.17, 5706.2.8, 5803.1.5, 5803.1.5.1, 5807.1.10, 5906.5.5, 5906.5.6, 6109.15.1
- 72—16: National Fire Alarm and Signaling Code**
508.1.6, Table 901.6.1, 903.4.1, 904.3.5, 907.2, 907.2.10, 907.2.1.2, 907.2.1.3, 907.2.12.2, 907.5.2.1.2, 907.5.2.2, 907.5.2.2.5, 907.6, 907.6.1, 907.6.2, 907.7, 907.7.1, 907.7.2, 907.8, 907.8.2, 907.8.5, 917.1, 1103.7.1.3, 1103.7.6, 1103.7.6.1, 1203.2.4, 2810.11
- 80—16: Standard for Fire Doors and Other Opening Protectives**
705.2, 706.1, 1010.1.4.3, 1031.2.2
- 85—15: Boiler and Combustion System Hazards Code**
Table 2204.1
- 86—15: Standard for Ovens and Furnaces**
3001.1
- 92—15: Standard for Smoke Control Systems**
909.7, 909.8

M
N

M
N
N
M
M

NFPA—continued

M
N
M
N
M
N
M
N
M
N
M

- 96—17: **Standard for Ventilation Control and Fire Protection of Commercial Cooking Operations**
607.2, 607.3, 904.12
- 99—12: **Health Care Facilities Code**
609.1, 1203.4.1, 1203.5.1, 5306.4, 5306.5, 5306.6
- 101—12: **Life Safety Code**
102.13, 102.13.1, 1029.6.2, 1101.5, 1104.17.2.3
- 105—16: **Standard for Smoke Door Assemblies and Other Opening Protectives**
705.2, 706.1
- 110—16: **Standard for Emergency and Standby Power Systems**
913.5.2, 913.5.3, 1203.1.3, 1203.4, 1203.5
- 111—13: **Standard on Stored Electrical Energy Emergency and Standby Power Systems**
1203.1.3, 1203.4, 1203.5
- 120—15: **Standard for Fire Prevention and Control in Coal Mines**
Table 2204.1
- 160—16: **Standard for the Use of Flame Effects Before an Audience**
308.3.2
- 170—18: **Standard for Fire Safety and Emergency Symbols**
1025.2.6.1
- 204—15: **Standard for Smoke and Heat Venting**
Table 901.6.1, 910.5.1, 910.5.2, 910.7
- 211—16: **Standard for Chimneys, Fireplaces, Vents and Solid Fuel-burning Appliances**
603.2
- 241—18: **Standard for Safeguarding Construction, Alteration and Demolition Operations**
3301.1, 3308.2
- 253—15: **Standard Method of Test for Critical Radiant Flux of Floor Covering Systems Using a Radiant Heat Energy Source**
804.3.1, 804.3.2, 804.4
- 260—18: **Methods of Tests and Classification System for Cigarette Ignition Resistance of Components of Upholstered Furniture**
805.1.1.1, 805.2.1.1, 805.3.1.1, 805.4.1.1
- 261—18: **Standard Method of Test for Determining Resistance of Mock-up Upholstered Furniture Material Assemblies to Ignition by Smoldering Cigarettes**
805.2.1.1, 805.3.1.1, 805.4.1.1, 805.1.1.1
- 265—15: **Standard Methods of Fire Tests for Evaluating Room Fire Growth Contribution of Textile Wall Coverings in Full Height Panels and Walls**
803.5.1, 803.5.1.1
- 286—15: **Standard Methods of Fire Tests for Evaluating Contribution of Wall and Ceiling Interior Finish to Room Fire Growth**
803.1, 803.1.1, 803.1.1.1, 803.3, 803.12, 803.13, 804.1.1, 804.2.4
- 289—18: **Standard Method of Fire Test for Individual Fuel Packages**
807.3, 807.4.1, 807.5.1.1, 807.5.3.4, 808.3
- 303—16: **Fire Protection Standard for Marinas and Boatyards**
3603.5, 3603.6, 3604.2
- 318—18: **Standard for the Protection of Semiconductor Fabrication Facilities**
2703.16
- 326—15: **Standard for the Safeguarding of Tanks and Containers for Entry, Cleaning or Repair**
3510.1
- 385—17: **Standard for Tank Vehicles for Flammable and Combustible Liquids**
5706.5.4.5, 5706.6, 5706.6.1, 5707.2
- 400—16: **Hazardous Materials Code**
5601.1.5, 6304.1.2, Table 6304.1.5(1), Table 6304.1.5(2)
- 407—17: **Standard for Aircraft Fuel Servicing**
2006.2, 2006.3
- 409—16: **Standard for Aircraft Hangars**
914.8.3, Table 914.8.3, 914.8.3.1, 914.8.6

M
N

REFERENCED STANDARDS

NFPA—continued

- 410—15: Standard on Aircraft Maintenance**
2004.7
- 484—15: Standard for Combustible Metals**
Table 2204.1
- 495—18: Explosive Materials Code**
202, 911.1, 911.4, 5601.1.1, 5601.1.5, 5604.2, 5604.6.2, 5604.6.3, 5604.7.1, 5605.1, 5606.1, 5606.5.2.1, 5605.2.3, 5607.1, 5607.9, 5607.11, 5607.15
- 498—18: Standard for Safe Havens and Interchange Lots for Vehicles Transporting Explosives**
5601.1.2
- 505—18: Fire Safety Standard for Powered Industrial Trucks, Including Type Designations, Areas of Use, Maintenance and Operation**
309.2
- 652—16: The Fundamentals of Combustible Dust**
2201.1, 2203.1, 2203.2
- 654—17: Standard for Prevention of Fire and Dust Explosions from the Manufacturing, Processing and Handling of Combustible Particulate Solids**
Table 2204.1
- 655—17: Standard for the Prevention of Sulfur Fires and Explosions**
Table 2204.1
- 664—17: Standard for the Prevention of Fires and Explosions in Wood Processing and Woodworking Facilities**
Table 2204.1, 2805.3
- 701—15: Standard Methods of Fire Tests for Flame-propagation of Textiles and Films**
807.3, 807.4.1, 807.5.1.2, 807.5.3.4, 2603.5, 3104.2
- 703—18: Standard for Fire Retardant-Wood and Fire-Retardant Coatings for Building Materials**
803.4
- 704—17: Standard System for Identification of the Hazards of Materials for Emergency Response**
202, 605.7, 5003.2.2.2, 5003.5, 5003.10.2, 5005.1.10, 5005.1.12, 5005.2.1.1, 5005.4.4, 5503.4.1, 5704.2.3.2
- 720—15: Standard for the Installation of Carbon Monoxide (CO) Detection and Warning Equipment**
915.5.1, 915.5.2, 915.6
- 750—15: Standard on Water Mist Fire Protection Systems**
202, Table 901.6.1, 904.11.1.1, 904.12
- 853—15: Installation of Stationary Fuel Cell Power Systems**
1205.3, 1205.4, 1205.6.2, 1205.11, 1205.12
- 914—15: Code for Fire Protection of Historic Structures**
1103.1.1
- 1122—18: Code for Model Rocketry**
5601.1.4
- 1123—18: Code for Fireworks Display**
202, 5604.2, 5608.1, 5608.2.2, 5608.5, 5608.6
- 1124—17: Code for the Manufacture, Transportation, Storage and Retail Sales of Fireworks and Pyrotechnic Articles**
202, 5601.1.3, 5604.2, 5605.1, 5605.3, 5605.4, 5605.5, 5609.1
- 1125—17: Code for the Manufacture of Model Rocket and High Power Rocket Motors**
5601.1.4
- 1126—16: Standard for the Use of Pyrotechnics Before a Proximate Audience**
5604.2, 5605.1, 5608.1, 5608.2.2, 5608.4, 5608.5
- 1127—18: Code for High Power Rocketry**
5601.1.4
- 1221—16: Standard for the Installation, Maintenance and Use of Emergency Services Communications Systems**
510.4.2, 510.5

M
N

NFPA—continued

2001—15: Standard on Clean Agent Fire Extinguishing Systems

Table 901.6.1, 904.10

2010—15: Standard for Fixed Aerosol Fire-extinguishing Systems

Table 901.6.1, 904.14

UL

Underwriters Laboratories LLC
333 Pfingsten Road
Northbrook, IL 60062

10C—09: Positive Pressure Fire Tests of Door Assemblies—with revisions through February 2015

1010.1.10.1

30—95: Metal Safety Cans—with revisions through June 2014

5003.9.10, 5005.1.10, 5705.2.4, 5707.2

58—96: Steel Underground Tanks for Flammable and Combustible Liquids—with revisions through July 1998

5704.2.13.1.5

80—07: Steel Tanks for Oil-burner Fuels and Other Combustible Liquids—with revisions through January 2014

319.7.1, 603.3.2.1, 608.2

87A—15: Outline of Investigation for Power-operated Dispensing Devices for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 85 Percent

2306.8.1

142—06: Steel Aboveground Tanks for Flammable and Combustible Liquids—with revisions through August 2014

319.7.1, 603.3.2.1, 608.2, 2306.2.3

199E—04: Outline of Investigation for Fire Testing of Sprinklers and Water Spray Nozzles for Protection of Deep Fat Fryers

904.12.4.1

217—06: Single and Multiple Station Smoke Alarms—with revisions through October 2015

907.2.10, 915.4.4

268—09: Smoke Detectors for Fire Alarm Systems

907.2.6.2, 907.2.10.7, 915.5.3

294—1999: Access Control System Units—with revisions through February 2015

1010.1.9.7, 1010.1.9.8.1, 1010.1.9.9, 1010.1.9.10

300—05(R2010): Fire Testing of Fire Extinguishing Systems for Protection of Commercial Cooking Equipment—with revisions through December 2014

904.12

300A—06: Outline of Investigation for Extinguishing System Units for Residential Range Top Cooking Surfaces

904.13.1.1

305—2012: Panic Hardware—with revisions through August 2014

1010.1.10.1

325—02: Door, Drapery, Gate, Louver and Window Operators and Systems—with revisions through May 2015

503.5, 503.6

499—05: Standard for Electrical Heating Appliances—with revisions through November 2014

608.6

647—93: Standard for Unvented Kerosene-fired Room Heaters and Portable Heaters—with revisions through April 2010

603.4

710—2012: Exhaust Hoods for Commercial Cooking Equipment—with revisions through November 2013

607.2

710B—2011: Recirculating Systems—with revisions through August 2014

607.2, 904.12

723—08: Standard for Test for Surface Burning Characteristics of Building Materials—with revisions through August 2013

202, 803.1, 803.1.2, 803.3, 803.5.2, 803.10, 803.12, 803.13, 804.1.1, 804.1.2, 804.2.4

790—04: Standard Test Methods for Fire Tests of Roof Coverings—with revisions through July 2014

317.2, 317.3

793—08: Automatically Operated Roof Vents for Smoke and Heat—with revisions through September 2011

910.3.1

817—2015: Standard for Cord Sets and Power-supply Cords—with revisions through March 2015

604.5

REFERENCED STANDARDS

UL—continued

- 864—03: Control Units and Accessories for Fire Alarm Systems—with revisions through December 2014**
909.12, 3905.1.2
- 900—04: Air Filter Units—with revisions through April 2015**
2404.7.8
- 924—06: Standard for Safety Emergency Lighting and Power Equipment—with revisions through April 2014**
1013.5, 3103.12.6.1
- 1037—99: Antitheft Alarms and Devices—with revisions through December 2009**
506.1
- 1046—2010: Grease Filters for Exhaust Ducts—with revisions through January 2012**
607.3.1
- 1275—05: Flammable Liquid Storage Cabinets—with revisions through November 2014**
5003.8.7.1, 5704.3.2.1.1
- 1313—93: Standard for Nonmetallic Safety Cans for Petroleum Products—with revisions through November 2012**
5003.9.10
- 1315—95: Standard for Safety for Metal Waste Paper Containers—with revisions through September 2012**
808.1, 808.2
- 1316—94: Glass Fiber Reinforced Plastic Underground Storage Tanks for Petroleum Products, Alcohols and Alcohol-gasoline Mixtures—with revisions through May 2006**
5704.2.13.1.5
- 1363—07: Relocatable Power Taps—with revisions through September 2015**
604.4.1
- 1564—2015: Industrial Battery Chargers**
1206.2.10.4, 1206.3.4.4
- 1741—2015: Inverters, Converters, Controllers and Interconnection System Equipment for Use with Distributed Energy Resources**
1206.2.10.5
- 1805—2002: Standard for Laboratory Hoods and Cabinets**
3805.2.2
- 1973—13: Standard for Batteries for Use in Light Electric Rail (LER) Applications and Stationary Applications.**
1206.2.10.1, 1206.3.4.1
- 1975—06: Fire Tests for Foamed Plastics Used for Decorative Purpose**
807.5.1.1, 808.3
- 1994—04: Standard for Luminous Egress Path Marking Systems—with revisions through May 2015**
1008.2.1, 1025.2.1, 1025.2.3, 1025.2.4, 1025.2.5, 1025.4
- 2017—08: General-purpose Signaling Devices and Systems—with revisions through May 2011**
3905.1.2
- 2034—08: Single and Multiple Station Carbon Monoxide Alarms—with revisions through March 2015**
915.4.2, 915.4.4
- 2075—2013: Standard for Gas and Vapor Detectors and Sensors**
915.5.1, 915.5.3, 3905.1.2
- 2079—04: Tests for Fire Resistance of Building Joint Systems—with revisions through August 2015**
202
- 2085—97: Protected Above-ground Tanks for Flammable and Combustible Liquids—with revisions through September 2010**
202, 603.3.2.1, 2306.2.2, 2306.2.3, 5704.2.7.4, 5704.2.9.2.3, 5704.2.9.7.4, 5705.3.8.2
- 2152—15: Outline of Investigation for Special Purpose Nonmetallic Containers and Tanks for Specific Combustible or Noncombustible Liquids**
608.3
- 2196—2001: Tests for Fire Resistive Cables—with revisions through March 2012**
913.2.2, 1203.3
- 2200—2012: Stationary Engine Generator Assemblies—with revisions through July 2015**
1203.1.1
- 2208—2010: Solvent Distillation Units—with revisions through September 2015**
5705.4.1
- 2245—06: Below-grade Vaults for Flammable Liquid Storage Tanks**
5704.2.8.1

UL—continued

2335—10: Fire Tests of Storage Pallets—with revisions through September 2012

315.7.5, 3206.4.1.1

2360—00: Test Methods for Determining the Combustibility Characteristics of Plastics Used in Semi-Conductor Tool Construction—with revisions through May 2013

2703.10.1.2

9540—14: Outline of Investigation for Energy Storage Systems and Equipment

1206.2.10.1, 1206.3.4.1

USC

United States Code
c/o Superintendent of Documents
U.S. Government Printing Office
Washington, DC 20402-9325

18 USC Part 1, Chapter 40: Importation, Manufacture, Distribution and Storage of Explosive Materials

202

21 USC Chapter 9: United States Food, Drug and Cosmetic Act

202