ANSI STANDARDS ACTION

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Contents

American National Standards

Call for comment on proposals listed

This section solicits public comments on proposed draft new American National Standards, including the national adoption of ISO and IEC standards as American National Standards, and on proposals to revise, reaffirm or withdraw approval of existing American National Standards. A draft standard is listed in this section under the ANSI-accredited standards developer (ASD) that sponsors it and from whom a copy may be obtained. Comments in connection with a draft American National Standard must be submitted in writing to the ASD no later than the last day of the comment period specified herein. Such comments shall be specific to the section(s) of the standard under review and include sufficient detail so as to enable the reader to understand the commenter's position, concerns and suggested alternative language, if appropriate. Please note that the ANSI Executive Standards Council (ExSC) has determined that an ASD has the right to require that interested parties submit public review comments electronically, in accordance with the developer's procedures.

Ordering Instructions for "Call-for-Comment" Listings

1. **Order from the organization indicated for the specific proposal.**
2. **Use the full identification in your order, including the BSR prefix; for example, Electric Fuses BSR/SAE J554.**
3. **Include remittance with all orders.**
4. **BSR proposals will not be available after the deadline of call for comment.**

Comments should be addressed to the organization indicated, with a copy to the Board of Standards Review, American National Standards Institute, 25 West 43rd Street, New York, NY 10036. Fax: 212-840-2298; e-mail: psa@ansi.org

* Standard for consumer products

ISSN 0038-9633

Comment Deadline: May 31, 2020

ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)

1791 Tullie Circle, NE, Atlanta, GA 30329 ph: (404) 636-8400 www.ashrae.org

Addenda

BSR/ASHRAE Addendum a to BSR/ASHRAE Standard 154-202x, Ventilation for Commercial Cooking Operations (addenda to ANSI/ASHRAE Standard 154-2016)

This addendum is consistent with ASHRAE HVAC Applications Handbook 2019 publication, Chapter 34, Section 1.7.

Click here to view these changes in full

Send comments (with optional copy to psa@ansi.org) to: http://www.ashrae.org/standards-research--technology/public-review-drafts

ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)

1791 Tullie Circle, NE, Atlanta, GA 30329 ph: (404) 636-8400 www.ashrae.org

Addenda

BSR/ASHRAE Addendum b to BSR/ASHRAE Standard 154-202x, Ventilation for Commercial Cooking Operations (addenda to ANSI/ASHRAE Standard 154-2016)

This addendum makes an editorial change that is consistent with IMC and NFPA 96.

Click here to view these changes in full

Send comments (with optional copy to psa@ansi.org) to: http://www.ashrae.org/standards-research--technology/public-review-drafts

ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)

1791 Tullie Circle, NE, Atlanta, GA 30329 ph: (404) 636-8400 www.ashrae.org

Addenda

BSR/ASHRAE Addendum c to BSR/ASHRAE Standard 154-202x, Ventilation for Commercial Cooking Operations (addenda to ANSI/ASHRAE Standard 154-2016)

This addendum adds an exception under Section 4.2.2.

Click here to view these changes in full

Send comments (with optional copy to psa@ansi.org) to: http://www.ashrae.org/standards-research--technology/public-review-drafts

ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)

1791 Tullie Circle, NE, Atlanta, GA 30329 ph: (404) 636-8400 www.ashrae.org

Addenda

BSR/ASHRAE Addendum d to BSR/ASHRAE Standard 154-202x, Ventilation for Commercial Cooking Operations (addenda to ANSI/ASHRAE Standard 154-2016)

This addendum adds a new subsection that harmonizes with ASHRAE Handbook 2019 publication, Chapter 34, and current design practices where balancing dampers are allowed per NFPA 96. The use of balancing dampers facilitates balancing multiple hoods served by common exhaust manifold and exhaust fan.

Click here to view these changes in full

Send comments (with optional copy to psa@ansi.org) to: http://www.ashrae.org/standards-research--technology/public-review-drafts

ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)

1791 Tullie Circle, NE, Atlanta, GA 30329 ph: (404) 636-8400 www.ashrae.org

Addenda

BSR/ASHRAE Addendum e to BSR/ASHRAE Standard 154-202x, Ventilation for Commercial Cooking Operations (addenda to ANSI/ASHRAE Standard 154-2016)

This addendum adds new Appendix E; previous Appendix E becomes Appendix G because Addendum A becomes Appendix F. Appendix E is informative describing the different types of exhaust fans used to ventilate commercial kitchen hoods.

Click here to view these changes in full
Send comments (with optional copy to psa@ansi.org) to: http://www.ashrae.org/standards-research--technology/public-review-drafts

ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)

1791 Tullie Circle, NE, Atlanta, GA 30329 ph: (404) 636-8400 www.ashrae.org

Addenda

BSR/ASHRAE Addendum f to BSR/ASHRAE Standard 154-202x, Ventilation for Commercial Cooking Operations (addenda to ANSI/ASHRAE Standard 154-2016)

This addendum makes changes to Section 4.2.3. Rationale as follows: Table 1 lists appliances that require a Type I hood. A Type I hood is not recommended for appliances in Table 2.

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Send comments (with optional copy to psa@ansi.org) to: http://www.ashrae.org/standards-research--technology/public-review-drafts

UL (Underwriters Laboratories)

333 Pfingsten Road, Northbrook, IL 60062-2096 ph: (847) 664-1725 https://ul.org/

Revision

BSR/UL 94-202x, Standard for Tests for Flammability of Plastic Materials for Parts in Devices and Appliances (revision of ANSI/UL 94-2018)

(1) Foam material testing (HBF/HF-1/HF-2): Inclusion of density value in Section 12.

Click here to view these changes in full
Send comments (with optional copy to psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

UL (Underwriters Laboratories)

333 Pfingsten Road, Northbrook, IL 60062-2096 ph: (847) 664-2850 https://ul.org/

Revision

BSR/UL 1283-202x, Standard for Safety for Electromagnetic Interference Filters (revision of ANSI/UL 1283-2018)

The following revisions are proposed: (1) Replacement of reference to UL 508C with UL 61800-5-1.

Click here to view these changes in full
Send comments (with optional copy to psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

UL (Underwriters Laboratories)
333 Pfingsten Road, Northbrook, IL 60062 ph: (847) 664-1292 https://ul.org/

Revision

BSR/UL 1740-202x, Standard for Safety for Robots and Robotic Equipment (revision of ANSI/UL 1740-2018)

This proposal for UL 1740 covers: (1) Changes regarding illuminated e-stop, and (2) Changes regarding workspace area limitation.

Click here to view these changes in full
Send comments (with optional copy to psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

UL (Underwriters Laboratories)
12 Laboratory Drive, Research Triangle Park, NC 27709-3995 ph: (919) 549-0956 https://ul.org/

Revision

BSR/UL 2218-202x, Standard for Safety for Impact Resistance of Prepared Roof Covering Materials (revision of ANSI/UL 2218-2012 (R2018))

(1) Revision of Section 1.1; (2) Revision of Section 4.3; (4) Revision of Section 5; (5) Mandrel requirements revision; and (6) Acceptance criteria revision.

Click here to view these changes in full
Send comments (with optional copy to psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

UL (Underwriters Laboratories)
12 Laboratory Drive, Research Triangle Park, NC 27709-3995 ph: (919) 549-1851 https://ul.org/

Revision

BSR/UL 2225-202x, Standard for Safety for Cables and Cable-Fittings for Use in Hazardous (Classified) Locations (revision of ANSI/UL 2225-2020)

This proposal for UL 2225 covers revisions to permit the use of electronic medium for required documentation.

Click here to view these changes in full
Send comments (with optional copy to psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

Comment Deadline: June 15, 2020

AGA (ASC Z380) (American Gas Association)
400 North Capitol Street, NW, Suite 450, Washington, DC 20001 ph: 202-824-7337 www.aga.org

Addenda

BSR GPTC Z380.1-2018 TR 16-17-202x, Guide for Transmission, Distribution and Gathering Piping Systems (addenda to ANSI/GPTC Z380.1-2018)

(1) Review GM 192.281, section 3.2 (g), to address NTSB report for Gas explosion and subsequent fire, New York City, New York concludes that plastic pipe fusion needs cleaned. This would be in accordance to ASTM F2620-12, Standard Practice for Heat Fusion Joining of Polyethylene Pipe and Fittings; (2) Review 192.287 to incorporate GM recommendations for inspecting heat fusion of plastic pipe joints.

Single copy price: Free
Obtain an electronic copy from: https://www.aga.org/events-community/committees/ansi-asc-gptc-z380---gas-piping-technology/
Order from: Betsy Tansey, (202) 824-7339, btansey@aga.org
Send comments (with optional copy to psa@ansi.org) to: GPTC@aga.org

AGA (ASC Z380) (American Gas Association)

400 North Capitol Street, NW, Suite 450, Washington, DC 20001 ph: 202-824-7337 www.aga.org

Addenda

BSR GPTC Z380.1-2018 TR 17-22-202x, Guide for Transmission, Distribution and Gathering Piping Systems (addenda to ANSI/GPTC Z380.1-2018)

192.739 GM, consider adding guidance to clearly mark/label control lines/sensing lines. If not known, M&R person can do some testing to determine what happens when valves are shut. In 192.747 GM, consider adding guidance to have a qualified M&R person on site when clearing leakage at a regulator station that involves operation or maintenance of a valve - including valves in control, sensing, and supply lines.

Single copy price: Free
Obtain an electronic copy from: https://www.aga.org/events-community/committees/ansi-asc-gptc-z380---gas-piping-technology/
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Send comments (with optional copy to psa@ansi.org) to: GPTC@aga.org

AGA (ASC Z380) (American Gas Association)

400 North Capitol Street, NW, Suite 450, Washington, DC 20001 ph: 202-824-7337 www.aga.org

Addenda

BSR GPTC Z380.1-2018 TR 17-45-202x, Guide for Transmission, Distribution and Gathering Piping Systems (addenda to ANSI/GPTC Z380.1-2018)

Develop a risk-based assessment for defining business districts.

Single copy price: Free
Obtain an electronic copy from: https://www.aga.org/events-community/committees/ansi-asc-gptc-z380---gas-piping-technology/
Order from: Betsy Tansey, (202) 824-7339, btansey@aga.org
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AGA (ASC Z380) (American Gas Association)

400 North Capitol Street, NW, Suite 450, Washington, DC 20001 ph: 202-824-7337 www.aga.org

Addenda

BSR GPTC Z380.1-2018 TR 17-47-202x, Guide for Transmission, Distribution and Gathering Piping Systems (addenda to ANSI/GPTC Z380.1-2018)

Review existing GM and revise as appropriate to indicate that the design factors shown are the maximum design factors. Also, determine if reference should be made to the alternate design factors in 192.620 and make any appropriate changes.

Single copy price: Free
Obtain an electronic copy from: https://www.aga.org/events-community/committees/ansi-asc-gptc-z380---gas-piping-technology/
Order from: Betsy Tansey, (202) 824-7339, btansey@aga.org
Send comments (with optional copy to psa@ansi.org) to: GPTC@aga.org

AGA (ASC Z380) (American Gas Association)

400 North Capitol Street, NW, Suite 450, Washington, DC 20001 ph: 202-824-7337 www.aga.org

Addenda

BSR GPTC Z380.1-2018 TR 18-01-202x, Guide for Transmission, Distribution and Gathering Piping Systems (addenda to ANSI/GPTC Z380.1-2018)

Review existing GM 8 Integrity Management Considerations and revise as appropriate to add examples, in addition to those recommended through TR 15-32, of issues found through Continuing Surveillance (192.613) that would be valuable to communicate to Integrity Management personnel. Potential examples include: evidence of third party damage, coating disbondment, insulator failures, internal corrosion, etc.

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Obtain an electronic copy from: https://www.aga.org/events-community/committees/ansi-asc-gptc-z380---gas-piping-technology/
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AGA (ASC Z380) (American Gas Association)

400 North Capitol Street, NW, Suite 450, Washington, DC 20001 ph: 202-824-7337 www.aga.org

Addenda

BSR GPTC Z380.1-2018 TR 19-23-202x, Guide for Transmission, Distribution and Gathering Piping Systems (addenda to ANSI/GPTC Z380.1-2018)

Review existing GM and remove the redundancy in GM 191.22(a): “a new pipeline that did not previously exist”.

Single copy price: Free
Obtain an electronic copy from: https://www.aga.org/events-community/committees/ansi-asc-gptc-z380---gas-piping-technology/
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AGA (ASC Z380) (American Gas Association)

400 North Capitol Street, NW, Suite 450, Washington, DC 20001 ph: 202-824-7337 www.aga.org

Addenda

BSR GPTC Z380.1-2018 TR 19-28-202x, Guide for Transmission, Distribution and Gathering Piping Systems (addenda to ANSI/GPTC Z380.1-2018)

Review GM 3.4 and consider adding GM regarding rubber-tired vs metal-track vehicles.

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AGA (ASC Z380) (American Gas Association)

400 North Capitol Street, NW, Suite 450, Washington, DC 20001 ph: 202-824-7337 www.aga.org

Addenda

BSR GPTC Z380.1-2018 TR 19-29-202x, Guide for Transmission, Distribution and Gathering Piping Systems (addenda to ANSI/GPTC Z380.1-2018)

Review existing GM and revise as appropriate to address the excavation vs. examination issues in 192.925 GM 5.2 including Tables 192.925ii and 192.925iii.

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Obtain an electronic copy from: https://www.aga.org/events-community/committees/ansi-asc-gptc-z380---gas-piping-technology/
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AGA (ASC Z380) (American Gas Association)

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Addenda

BSR GPTC Z380.1-2018 TR 19-30-202x, Guide for Transmission, Distribution and Gathering Piping Systems (addenda to ANSI/GPTC Z380.1-2018)

Review existing GM and revise as appropriate to address 192.925 GM 5.4(a) temporary reduction of operating pressure, which is not the same as a lowering of the MAOP of the segment.

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Obtain an electronic copy from: https://www.aga.org/events-community/committees/ansi-asc-gptc-z380---gas-piping-technology/
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AGA (ASC Z380) (American Gas Association)

400 North Capitol Street, NW, Suite 450, Washington, DC 20001 ph: 202-824-7337 www.aga.org

Addenda

BSR GPTC Z380.1-2018 TR 19-40-202x, Guide for Transmission, Distribution and Gathering Piping Systems (addenda to ANSI/GPTC Z380.1-2018)

Review and develop GM as appropriate in light of Amendment 192-125.

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Obtain an electronic copy from: https://www.aga.org/events-community/committees/ansi-asc-gptc-z380---gas-piping-technology/
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AGA (ASC Z380) (American Gas Association)

400 North Capitol Street, NW, Suite 450, Washington, DC 20001 ph: 202-824-7337 www.aga.org

Addenda

BSR GPTC Z380.1-2018 TR 19-49-202x, Guide for Transmission, Distribution and Gathering Piping Systems (addenda to ANSI/GPTC Z380.1-2018)

Review existing GM and revise as appropriate in light of Amendment 192-125.

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Obtain an electronic copy from: https://www.aga.org/events-community/committees/ansi-asc-gptc-z380---gas-piping-technology/
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AISC (American Institute of Steel Construction)

130 E Randolph Street, Suite 2000, Chicago, IL 60601-6204 ph: (312) 670-5410 www.aisc.org

New Standard

BSR/AISC 342-202x, Seismic Provisions for Evaluation and Retrofit of Existing Structural Steel Buildings (new standard)

Seismic Provisions for Evaluation and Retrofit of Structural Steel Buildings will govern the seismic evaluation and retrofit of structural steel components of the seismic force-resisting system of existing buildings. The requirements of these Provisions will apply to existing structural steel components of a building system, retrofitted steel components of a building system, and new structural steel components added to an existing building system.

Single copy price: $35.00
Obtain an electronic copy from: www.aisc.org/publicreview
Order from: Rachel Jordan; jordan@aisc.org
Send comments (with optional copy to psa@ansi.org) to: Cynthia Duncan; duncan@aisc.org

ANS (American Nuclear Society)

555 North Kensington Avenue, La Grange Park, IL 60526 ph: (708) 579-8268 www.ans.org

Reaffirmation

BSR/ANS 58.9-2002 (R202x), Single Failure Criteria for Light Water Reactor Safety-Related Fluid Systems (reaffirmation of ANSI/ANS 58.9-2002 (R2015))

This standard provides criteria for the designer which interpret the requirements of Title 10, Code of Federal Regulations, Part 50, "Licensing of Production and Utilization Facilities," Appendix A, "General Design Criteria for Nuclear Power Plants," with respect to design against single failures in safety-related Light Water Reactor (LWR) fluid systems. Means of treating both active and passive failures are addressed for safety-related fluid systems following various initiating events. Current acceptable practice is used as a basis for these criteria. Failure criteria for the electric power systems and the protection systems are provided in IEEE Std 308-1980 "IEEE Standard Criteria for Class 1E Power Systems for Nuclear Power Generating Stations", IEEE Std 279-1971 "IEEE Standard Criteria for Protection Systems for Nuclear Power Generating Stations" (N42.7-1972), IEEE Std 379-1977 "IEEE Standard for Application of the Single-Failure Criterion to Nuclear Power Generating Station Class IE Systems", and IEEE Std 603-1980 "Standard Criteria for Safety Systems for Nuclear Power Generating Stations." Failures of structural components, such as braces, supports, or restraints, as well as occurrences involving common mode failures, are excluded.

Single copy price: $52.00
Obtain an electronic copy from: orders@ans.org
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ASABE (American Society of Agricultural and Biological Engineers)

2950 Niles Road, Saint Joseph, MI 49085 ph: (269) 932-7015 https://www.asabe.org/Publications-Standards/Standards-Development

Reaffirmation

BSR/ASABE/ISO 14269-3-SEP2006 (R202x), Tractors and self-propelled machines for agriculture and forestry - Operator enclosure environment - Part 3: Determination of effect of solar heating (reaffirm a national adoption ANSI/ASABE/ISO 14269-3-SEP2006 (R2017))

Specifies a test method for simulating solar heating in the laboratory and measuring the radiant heat energy from a natural or simulated source. This standard is applicable to tractors and self-propelled machines for agriculture and forestry when equipped with an operator enclosure.

Single copy price: $48.00 (ASABE Members); $68.00 (Non-members)
Obtain an electronic copy from: vangilder@asabe.org
Order from: Carla VanGilder, (269) 932-7015, vangilder@asabe.org
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ASCE (American Society of Civil Engineers)

1801 Alexander Bell Dr, Reston, VA 20191 ph: (703) 295-6176 www.asce.org

New Standard

BSR/ASCE/CI 71-202x, Identifying, Quantifying, and Proving Loss of Productivity (new standard)

Managing labor productivity is a crucial component of project success. Because labor costs are typically the most variable and a major component of overall project cost, tracking and measuring labor productivity is helpful in preventing, mitigating, and recovering cost overruns. The numerous published treatises and studies on loss of productivity in the construction industry highlight its importance. Despite that importance, there are inconsistencies in the methodologies used to identify, quantify, and determine causation and liability for labor productivity losses.

Single copy price: Free
Obtain an electronic copy from: jneckel@asce.org
Order from: James Neckel, (703) 295-6176, jneckel@asce.org
Send comments (with optional copy to psa@ansi.org) to: Same

ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)

1791 Tullie Circle NE, Atlanta, GA 30329 ph: (678) 539-2114 www.ashrae.org

New Standard

BSR/ASHRAE Standard 15.2P-202x, Safety Standard for Air-Conditioning and Heat Pump Systems in Residential Applications (new standard)

This standard specifies the minimum requirements for the safe design and installation of refrigeration systems used in residential applications.

Single copy price: $35.00
Obtain an electronic copy from: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts
Order from: standards.section@ashrae.org
Send comments (with optional copy to psa@ansi.org) to: Online Comment Database at https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

ASME (American Society of Mechanical Engineers)

Two Park Avenue, M/S 6-2B, New York, NY 10016-5990 ph: (212) 591-8489 www.asme.org

Revision

BSR/ASME B31.3-202x, Process Piping (revision of ANSI/ASME B31.3-2018)

Rules for the Process Piping Code Section B31.31 have been developed considering piping typically found in petroleum refineries; onshore and offshore petroleum and natural gas production facilities; chemical, pharmaceutical, textile, paper, ore processing, semiconductor, and cryogenic plants; food and beverage processing facilities; and related processing plants and terminals. (a) This Code prescribes requirements for materials and components, design, fabrication, assembly, erection, examination, inspection, and testing of piping. (b) This Code applies to piping for all fluids, including: (1) raw, intermediate, and finished chemicals; (2) petroleum products; (3) gas, steam, air, and water; (4) fluidized solids; (5) refrigerants; and (6) cryogenic fluids.

Single copy price: Free
Obtain an electronic copy from: http://cstools.asme.org/publicreview
Send comments (with optional copy to psa@ansi.org) to: Riad Mohamed, MohamedR@asme.org

ECIA (Electronic Components Industry Association)

13873 Park Center Road, Suite 315, Herndon, VA 20171 ph: (571) 323-0294 www.ecianow.org

Revision

BSR/EIA 364-21F-202x, Insulation Resistance Test Procedure for Electrical Connectors, Sockets and Coaxial Contacts (revision and redesignation of ANSI/EIA 364-21E-2014)

This standard applies to electrical connectors, sockets, and coaxial contacts.

Single copy price: $75.00
Obtain an electronic copy from: https://global.ihs.com/
Order from: Global Engineering Documents, (800) 854-7179, www.global.ihs.com
Send comments (with optional copy to psa@ansi.org) to: Ed Mikoski, emikoski@ecianow.org

ECIA (Electronic Components Industry Association)

13873 Park Center Road, Suite 315, Herndon, VA 20171 ph: (571) 323-0294 www.ecianow.org

Revision

BSR/EIA 364-38E-202x, Cable Pull-Out Test Procedure for Electrical Connectors (revision and redesignation of ANSI/EIA 364-38D -2014)

This standard establishes a test method to determine the axial tensile load that can be applied to a mated pair of connectors and the holding effect of a connector cable clamp without causing any detrimental effects upon the cable or connector when subjected to inadvertent axial tensile loads.

Single copy price: $75.00
Obtain an electronic copy from: https://global.ihs.com/
Order from: Global Engineering Documents, (800) 854-7179, www.global.ihs.com
Send comments (with optional copy to psa@ansi.org) to: Ed Mikoski, emikoski@ecianow.org

IES (Illuminating Engineering Society)

120 Wall Street, Floor 17, New York, NY 10005 ph: (917) 913-0027 www.ies.org

New Standard

BSR/IES LP-3-202x, Lighting Practice: Designing and Specifying Daylighting for Buildings (new standard)

This document provides detailed discussions and guidelines on the design and performance of these systems. The contents of this document are of value to architects, electrical and mechanical engineers, interior designers, landscape architects, contractors, equipment and material manufacturers, as well as end users such as developers, building owners, and facility managers. Each of these individuals plays a role in defining how a daylight system will perform over its lifetime.

Single copy price: $25.00
Obtain an electronic copy from: pmcgillicuddy@ies.org
Order from: pmcgillicuddy@ies.org
Send comments (with optional copy to psa@ansi.org) to: pmcgillicuddy@ies.org

LIA (ASC Z136) (Laser Institute of America)

13501 Ingenuity Drive, Suite 128, Orlando, FL 32826 ph: (407) 380-1553 www.laserinstitute.org

New Standard

BSR Z136.4-202x, Standard Recommended Practice for Laser Safety Measurements for Hazard Evaluation (new standard)

This document provides adequate, practical guidance for necessary measurement procedures used for classification and hazard evaluation of lasers. This document is intended to provide guidance for manufacturers, laser safety officers (LSOs), and trained laser users. This project has been submitted as a revision to supersede Z136.4-2010; however, the Z136.4-2010 will be administratively withdrawn on April 22, 2020. Therefore, at that time, this project will then change to submit the Z136.4 revision as a 'new' standard.

Single copy price: $30.00
Obtain an electronic copy from: https://www.lia.org/store/product/z1364-public-review-draft-1-electronic-version
Send comments (with optional copy to psa@ansi.org) to: Liliana Caldero, lcaldero@lia.org

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 ph: (734) 827-3817 www.nsf.org

Revision

BSR/NSF 49-202x (i153r1), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49 -2019)

This Standard applies to Class II (laminar flow) biosafety cabinetry designed to minimize hazards inherent in work with agents assigned to biosafety levels 1, 2, 3, or 4. It also defines the tests that shall be passed by such cabinetry to meet this Standard. This Standard includes basic requirements for the design, construction, and performance of biosafety cabinets (BSCs) that are intended to provide personnel, product, and environmental protection; reliable operation; durability and structural stability; cleanability; limitations on noise level; illumination; vibration; and motor/blower performance.

Single copy price: Free
Obtain an electronic copy from: https://standards.nsf.org/apps/group_public/download.php/54018/49i153r1%20-%20Airflow%20Smoke%20Patterns%20-%20JC%20memo%20&%20ballot.pdf
Send comments (with optional copy to psa@ansi.org) to: Allan Rose, arose@nsf.org

TCNA (ASC A108) (Tile Council of North America)

100 Clemson Research Blvd., Anderson, SC 29625 ph: (864) 646-8453 www.tcnatile.com

New Standard

BSR A108.21-202x, Interior Installation of Flowable Hydraulic Cement Underlayment/Self-Leveling Underlayment (new standard)

This standard covers the installation of Flowable Hydraulic Cement Underlayment/Self-Leveling Underlayment when used as a substrate for the installation of ceramic tile, manufactured stone, and natural stone in interior applications.

Single copy price: $15.00
Obtain an electronic copy from: ksimpson@tileusa.com
Send comments (with optional copy to psa@ansi.org) to: Katelyn Simpson, ksimpson@tileusa.com

TCNA (ASC A108) (Tile Council of North America)

100 Clemson Research Blvd., Anderson, SC 29625 ph: (864) 646-8453 www.tcnatile.com

New Standard

BSR A118.16-202x, Standard Specifications for Flowable Hydraulic Cement Underlayment/Self-Leveling Underlayment (new standard)

This specification describes the test methods and minimum requirements for flowable hydraulic cement underlayment/self-leveling underlayment.

Single copy price: $15.00
Obtain an electronic copy from: ksimpson@tileusa.com
Send comments (with optional copy to psa@ansi.org) to: Katelyn Simpson, ksimpson@tileusa.com

UL (Underwriters Laboratories)

171 Nepean Street, Suite 400, Ottawa, ON K2P 0B4 Canada ph: (613) 755-2729 https://ul.org/

Reaffirmation

BSR/UL 1690-2006 (R202x), Standard for Data-Processing Cable (reaffirmation of ANSI/UL 1690-2006 (R2015))

Reaffirmation and continuance of the Fourth Edition of the Standard for Data-Processing Cable, UL 1690, as an American National Standard.

Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/Home/ProposalsDefault.aspx
Order from: http://www.shopulstandards.com
Send comments (with optional copy to psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 ph: (919) 549-1097 https://ul.org/

Revision

BSR/UL 153-202x, Standard for Safety for Portable Electric Luminaires (revision of ANSI/UL 153-2018)

This proposal for UL 153 covers: (1) Low-voltage portable luminaire power source and marking options; (2) Scope exclusions and clarifications; (3) Enclosure materials for non-class 2 circuits; (4) Interconnected units – supply connections, overcurrent protection, markings, and instructions; (5) Bonding of the grounding terminal of receptacles; (6) Batteries; (7) Incandescent temperature-test-exempt lamp replacement marking; (8) Under-shelf mounted units; (9) Appliance- and headboard-mounted units; (10) Hand lights – lamp guards and power supply cords; (11) Drop Test; (12) Options for marking form designations A and C; (13) Revised application of Form-2 marking location; (14) Marking form for portable luminaires containing hazardous substances; (15) Lamp replacement markings; (16) Manufacturing and Production Test; and (17) Editorial revisions.

Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/Home/ProposalsDefault.aspx
Order from: http://www.shopulstandards.com
Send comments (with optional copy to psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 ph: (919) 549-1479 https://ul.org/

Revision

BSR/UL 2200-202x, Standard for Safety for Stationary Engine Generator Assemblies (9-20-19 and 5-1-20) (revision of ANSI/UL 2200 -2015)

This recirculation proposal provides revisions to the UL 2200 proposal dated 9-20-19.

Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/Home/ProposalsDefault.aspx
Order from: http://www.shopulstandards.com
Send comments (with optional copy to psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 ph: (919) 549-0973 https://ul.org/

Revision

BSR/UL 2775-202X, Standard for Fixed Condensed Aerosol Extinguishing System Units (revision of ANSI/UL 2775-2019)

UL proposes a recirculation to the proposal dated May 3, 2019.

Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/Home/ProposalsDefault.aspx
Order from: http://www.shopulstandards.com
Send comments (with optional copy to psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

Comment Deadline: June 30, 2020

ASME (American Society of Mechanical Engineers)

Two Park Avenue, M/S 6-2B, New York, NY 10016-5990 ph: (212) 591-8489 www.asme.org

Reaffirmation

Reaffirmations and withdrawals available electronically may be accessed at: webstore.ansi.org

BSR/ASME B30.26-2015 (R202x), Rigging Hardware (reaffirmation of ANSI/ASME B30.26-2015)

Volume B30.26 includes provisions that apply to the construction, installation, operation, inspection, and maintenance of detachable rigging hardware used for load-handling activities in conjunction with equipment described in other volumes of the B30 Standard. This hardware includes shackles, links, rings, swivels, turnbuckles, eyebolts, hoist rings, wire rope clips, wedge sockets, rigging blocks, and load-indicating devices.

Single copy price: $55.00
Obtain an electronic copy from: http://cstools.asme.org/publicreview
Order from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm
Send comments (with optional copy to psa@ansi.org) to: Kathleen Peterson, petersonk@asme.org

ASME (American Society of Mechanical Engineers)

Two Park Avenue, M/S 6-2B, New York, NY 10016-5990 ph: (212) 591-8489 www.asme.org

Revision

Reaffirmations and withdrawals available electronically may be accessed at: webstore.ansi.org

BSR/ASME B18.24-202x, Part Identifying Number (PIN) Code System Standard for B18 Fastener Products (revision of ANSI/ASME B18.24-2015)

This Standard is intended to provide all users (manufacturers, distributors, design and configuration, parts control, inventory control, test and maintenance functions) with the capability to identify externally threaded, internally threaded, and nonthreaded fastener products by a preselected order of coding as specified in this standard. The B18 PIN is a self-contained code, with distinct identification linkage to individual ASME B18 fastener product standards. The PIN code concept provides for direct traceability back to the applicable B18 product standard. In case of conflict with this document and the B18 product standard, the B18 product standard shall take precedence. This Standard is not intended for use as a substitute for the correct usage of the B18 standards for fastener selection and specification. The PIN code is intended as an alternative to the plain text product callout as prescribed in the "Designation" or "Ordering" section of the source B18 product standard. The existence of a PIN code for B18 fastener description is not intended to imply that all products described are available. A few B18 fasteners cannot be thoroughly identified using the 18-digit system defined in this Standard.

Single copy price: Free
Obtain an electronic copy from: http://cstools.asme.org/publicreview
Order from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm
Send comments (with optional copy to psa@ansi.org) to: Angel L. Guzman Rodriguez, guzman@asme.org

Project Withdrawn

AWWA (American Water Works Association)

6666 W. Quincy Ave., Denver, CO 80235 ph: (303) 347-6178 www.awwa.org

In accordance with clause 4.2.1.3.3 Discontinuance of a standards project of the ANSI Essential Requirements, an accredited standards developer may abandon the processing of a proposed new or revised American National Standard or portion thereof if it has followed its accredited procedures. The following projects have been withdrawn accordingly:

BSR/AWWA C6XX-1996, Chlorine/Chloramine Resistance Test (new standard)

Inquiries may be directed to Paul Olson, (303) 347-6178, polson@awwa.org

UL (Underwriters Laboratories)

47173 Benicia Street, Fremont, CA 94538 ph: (510) 319-4233 https://ul.org/

In accordance with clause 4.2.1.3.3 Discontinuance of a standards project of the ANSI Essential Requirements, an accredited standards developer may abandon the processing of a proposed new or revised American National Standard or portion thereof if it has followed its accredited procedures. The following projects have been withdrawn accordingly:

BSR/UL 2900-2-2-202x, Standard for Software Cybersecurity for Network-Connectable Products, Part 2-2: Particular Requirements for Industrial Control Systems (new standard)

Inquiries may be directed to Barbara Davis, (510) 319-4233, Barbara.J.Davis@ul.org

Notice of Withdrawal: ANS at least 10 years past approval date

HPS (ASC N43) (Health Physics Society)

1313 Dolley Madison Blvd #402, McLean, VA 22101 ph: (703) 790-1745 www.hps.org

The following American National Standards have not been revised or reaffirmed within ten years from the date of their approval as American National Standards and accordingly are withdrawn:

ANSI N43.15-2001 (R2010), Safe Design and Use of Self-Contained Wet Source Storage Gamma Irradiators (Category III)

Call for Members (ANS Consensus Bodies)

Directly and materially affected parties who are interested in participating as a member of an ANS consensus body for the standards listed below are requested to contact the sponsoring standards developer directly and in a timely manner.

AIAA (American Institute of Aeronautics and Astronautics)

Contact: Hillary Woehrle
Phone (703) 264-7546
E-mail: hillaryw@aiaa.org
Office: 12700 Sunrise Valley Drive, Suite 200
Reston, VA 20191-5807

BSR/AIAA/ISO 21384-3-202x, Unmanned aircraft systems - Part 3: Operational procedures (identical national adoption of ISO 21384-3)

AISC (American Institute of Steel Construction)

Contact: Cynthia Duncan
Phone (312) 670-5410
E-mail: duncan@aisc.org
Office: 130 E Randolph Street
Suite 2000
Chicago, IL 60601-6204

BSR/AISC 342-202x, Seismic Provisions for Evaluation and Retrofit of Existing Structural Steel Buildings (new standard)

ASABE (American Society of Agricultural and Biological Engineers)

Contact: Carla VanGilder
Phone (269) 932-7015
E-mail: vangilder@asabe.org
Office: 2950 Niles Road
Saint Joseph, MI 49085

BSR/ASABE/ISO 14269-3-SEP2006 (R202x), Tractors and self-propelled machines for agriculture and forestry - Operator enclosure environment - Part 3: Determination of effect of solar heating (reaffirm a national adoption ANSI/ASABE/ISO 14269-3-SEP2006 (R2017))

ECIA (Electronic Components Industry Association)

Contact: Laura Donohoe
Phone (571) 323-0294
E-mail: ldonohoe@ecianow.org
Office: 13873 Park Center Road
Suite 315
Herndon, VA 20171

BSR/EIA 364-21F-202x, Insulation Resistance Test Procedure for Electrical Connectors, Sockets and Coaxial Contacts (revision and redesignation of ANSI/EIA 364-21E-2014)

BSR/EIA 364-38E-202x, Cable Pull-Out Test Procedure for Electrical Connectors (revision and redesignation of ANSI/EIA 364-38D-2014)

IES (Illuminating Engineering Society)

Contact: Patricia McGillicuddy
Phone (917) 913-0027
E-mail: pmcgillicuddy@ies.org
Office: 120 Wall Street, Floor 17
New York, NY 10005

BSR/IES LP-3-202x, Lighting Practice: Designing and Specifying Daylighting for Buildings (new standard)

BSR/IES RP-27.1-202x, Recommended Practice: UV Germicidal Irradiation (new standard)

ISA (International Society of Automation)

Contact: Eliana Brazda
Phone (919) 990-9228
E-mail: ebrazda@isa.org
Office: 67 Alexander Drive
Research Triangle Park, NC 27709

BSR/ISA 96.09.01-202x, Quarter-Turn Actuators and Valves - Mounting Hardware (new standard)

NSF (NSF International)

Contact: Allan Rose
Phone (734) 827-3817
E-mail: arose@nsf.org
Office: 789 N. Dixboro Road
Ann Arbor, MI 48105-9723

BSR/NSF 49-202x (i153r1), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2019)

TAPPI (Technical Association of the Pulp and Paper Industry)

Contact: Priscila Briggs
Phone (770) 209-7249
E-mail: standards@tappi.org
Office: 15 Technology Parkway South
Suite 115
Peachtree Corners, GA 30092

BSR/TAPPI T 657 sp-202x, Sampling of fillers and pigments (revision of ANSI/TAPPI T 657 sp-2012)

UL (Underwriters Laboratories)

Contact: Griff Edwards
Phone (919) 549-0956
E-mail: griff.edwards@ul.org
Office: 12 Laboratory Drive
Research Triangle Park, NC 27709-3995

BSR/UL 2218-202x, Standard for Safety for Impact Resistance of Prepared Roof Covering Materials (revision of ANSI/UL 2218-2012 (R2018))

Call for Members (ANS Consensus Bodies)

Call for Committee Members

ASC O1 – Safety Requirements for Woodworking Machinery

Are you interested in contributing to the development and maintenance of valuable industry safety standards? The ASC O1 is currently looking for members in the following categories:

- General Interest
- Government
- Producer
- User

If you are interested in joining the ASC O1, contact WMMA Associate Director Jennifer Miller at jennifer@wmma.org.

Final Actions on American National Standards

The standards actions listed below have been approved by the ANSI Board of Standards Review (BSR) or by an ANSI-Audited Designator, as applicable.

AAFS (American Academy of Forensic Sciences)

New Standard

ANSI/ASB Std 032-2020, Standards for a Bloodstain Pattern Analyst's Training Program (new standard): 4/21/2020

AAMI (Association for the Advancement of Medical Instrumentation)

New National Adoption

ANSI/AAMI/ISO 10993-1-2020, Biological evaluation of medical devices - Part 1: Evaluation and testing within a risk management process (identical national adoption of ISO 10993-1:2018): 4/27/2020

ANSI/AAMI/ISO 10993-4-2020, Biological evaluation of medical devices - Part 4: Selection of tests for interactions with blood (identical national adoption of ISO 10993-4:2017 and revision of ANSI/AAMI/ISO 10993 -4:2002 (R2013)): 4/27/2020

ANSI/AAMI/ISO 10993-11-2020, Biological evaluation of medical devices - Part 11: Tests for systemic toxicity (identical national adoption of ISO 10993-11:2017): 4/27/2020

AGMA (American Gear Manufacturers Association)

Reaffirmation

ANSI/AGMA 9004-B08 (R2020), Flexible Couplings - Mass Elastic Properties and Other Characteristics (reaffirmation of ANSI/AGMA 9004-B-2008 (R2014)): 4/23/2020

ANS (American Nuclear Society)

Reaffirmation

ANSI/ANS 6.6.1-2015 (R2020), Calculation and Measurement of Direct and Scattered Radiation from LWR Nuclear Power Plants (reaffirmation of ANSI/ANS 6.6.1-2015): 4/23/2020

ASME (American Society of Mechanical Engineers)

Reaffirmation

ANSI/ASME PTC 12.2-2010 (R2020), Steam Surface Condensers (reaffirmation of ANSI/ASME PTC 12.2-2010 (R2015)): 4/23/2020

ANSI/ASME PTC 19.2-2010 (R2020), Pressure Measurement (reaffirmation of ANSI/ASME PTC 19.2-2010 (R2015)): 4/23/2020

Revision

ANSI/ASME A112.18.2/CSA B125.2-2020, Plumbing Waste Fittings (revision of ANSI/ASME A112.18.2/CSA B125.2-2015 (R2019)): 4/23/2020

AWS (American Welding Society)

Revision

ANSI/AASHTO/AWS D1.5M/D1.5-2020, Bridge Welding Code (revision of ANSI/AASHTO/AWS D1.5M/D1.5-2015, AMD 1): 4/24/2020

CTA (Consumer Technology Association)

Reaffirmation

* ANSI/CTA 2010-B-2014 (R2020), Standard Method of Measurement for Powered Subwoofers (reaffirmation of ANSI/CTA 2010-B-2014): 4/27/2020

* ANSI/CTA 2034-A-2015 (R2020), Standard Method of Measurement for In-Home Loudspeakers (reaffirmation of ANSI/CTA 2034-A-2015): 4/27/2020

HL7 (Health Level Seven)

Reaffirmation

ANSI/HL7 V3 COMT, R3-2010 (R2020), HL7 Version 3 Standard: Shared Messages, Release 3 (reaffirmation of ANSI/HL7 V3 COMT, R3-2010 (R2015)): 4/27/2020

ANSI/HL7 V3 IDC, R2-2013 (R2020), HL7 Version 3 Standard: Implantable Device Cardiac - Follow-up Device Summary, Release 2 (reaffirmation of ANSI/HL7 V3 IDC, R2-2013): 4/27/2020

ANSI/HL7 V3 PAPRSNREG, R1-2015 (R2020), HL7 Version 3 Standard: Patient Administration; Person Registry, Release 1 (reaffirmation of ANSI/HL7 V3 PAPRSNREG, R1-2015): 4/27/2020

IAPMO (ASSE Chapter) (ASSE International Chapter of IAPMO)

New Standard

ANSI/ASSE 12080-2020, Professional Qualification Standard for Legionella Water Safety and Management Personnel (new standard): 4/23/2020

IEEE (ASC N42) (Institute of Electrical and Electronics Engineers)

Revision

ANSI N42.42-2020, Standard Data Format for Radiation Detectors Used for Homeland Security (revision of ANSI N42.42-2012): 4/23/2020

IES (Illuminating Engineering Society)

New Standard

ANSI/IES LS-3-2020, Lighting Science: Physics and Optics of Radiant Power (new standard): 4/21/2020

ANSI/IES LS-6-2020, Lighting Science: Calculation of Light and Its Effects (new standard): 4/21/2020

ANSI/IES LP-7-2020, Lighting Practice: The Lighting Design and Construction Process (new standard): 4/21/2020

ANSI/IES LS-8-2020, Lighting Science: Vision - Perceptions and Performance (new standard): 4/21/2020

ANSI/IES LP-11-2020, Lighting Practice: Environmental Considerations for Outdoor Lighting (new standard): 4/21/2020

ANSI/IES LM-61-2020, Approved Method: Identifying Operating Factors for Installed High Intensity Discharge Luminaires (new standard): 4/21/2020

ANSI/IES LM-72-2020, Approved Method: Directional Positioning of Photometric Data (new standard): 4/21/2020

ANSI/IES RP-2-2020, Recommended Practice: Lighting Retail Spaces (new standard): 4/21/2020

ANSI/IES RP-10-2020, Recommended Practice: Lighting Common Applications (new standard): 4/21/2020

ANSI/IES RP-31-2020, Recommended Practice: Economic Analysis of Lighting (new standard): 4/21/2020

ANSI/IES TM-26-2020, Technical Memorandum: Projecting Catastrophic Failure Rate of LED Packages (new standard): 4/23/2020

ANSI/IES TM-28-2020, Technical Memorandum: Projecting Long-Term Luminous Flux Maintenance of LED Lamps and Luminaires (new standard): 4/23/2020

Revision

ANSI/IES LS 1-2020, Nomenclature and Definitions for Illuminating Engineering (revision, redesignation and consolidation of ANSI/IES RP-16 -2017, ANSI/IES RP-16-2017, Addendum 1-2018, ANSI/IES RP-16-2017, Addendum 2-2019, ANSI/IES RP-16-2017, Addendum 3-2019, ANSI/IES RP -16-2017, Addendum 4-2020): 4/24/2020

ANSI/IES RP-3-2020, Recommended Practice: Lighting Educational Faciities (revision of ANSI/IESNA RP-3-2013): 4/21/2020

ANSI/IES RP-27-2020, Recommended Practice: Photobiological Safety for Lighting Systems (revision, redesignation and consolidation of ANSI/IESNA RP-27.1-2015, ANSI/IESNA RP-27.2-2000 (R2010), ANSI/IES RP-27.3-2017): 4/21/2020

ANSI/IES/ALA RP-11-2020, Lighting for Interior and Exterior Residential Environments (revision of ANSI/IES/ALA RP-11-2017): 4/23/2020

ISA (International Society of Automation)

New Standard

ANSI/ISA 96.03.04-2019, Guidelines for the Specification of Linear Piston Pneumatic Actuators (new standard): 4/27/2020

NEMA (ASC C29) (National Electrical Manufacturers Association)

New Standard

ANSI C29.19-2020, Composite Insulators Station Post Type (new standard): 4/24/2020

Revision

ANSI C29.2A-2020, Wet Process Porcelain and Toughened Glass Distribution Suspension Type (revision of ANSI C29.2A-2013): 4/24/2020

ANSI C29.12-2020, Composite Insulators Transmission Suspension Type (revision of ANSI C29.12-2013): 4/24/2020

NFPA (National Fire Protection Association)

Revision

ANSI/NFPA 921-2021, Guide for Fire and Explosion Investigations (revision of ANSI/NFPA 921-2017): 4/25/2020

NSF (NSF International)

Revision

ANSI/NSF 223-2020 (i6r1), Conformity Assessment Requirements for Certification Bodies that Certify Products Pursuant to NSF/ANSI 60 Drinking Water Treatment Chemicals - Health Effects (revision of ANSI/NSF 223-2015): 4/24/2020

ANSI/NSF 455-2-2020 (i7r1), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455-2-2018): 4/20/2020

ANSI/NSF 455-3-2020 (i21r1), Good Manufacturing Practices for Cosmetics (revision of ANSI/NSF 455-3-2018): 4/20/2020

ANSI/NSF 455-4-2020 (i17r1), Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4-2018): 4/17/2020

ANSI/NSF 455-4-2020 (i22r1), Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4-2018): 4/20/2020

TIA (Telecommunications Industry Association)

New National Adoption

ANSI/TIA 492CAAC-2020, Detail Specification for Class IVA Dispersion Unshifted Single-Mode Optical Fibers with lwater Peak; Modification of IEC 60793250:2015, Optical Fibres - Part 250: Product Specifications - Sectional Specification for Class B Single-Mode Fibres (national adoption with modifications of IEC 60793-2-50:2015): 4/27/2020

UL (Underwriters Laboratories)

New National Adoption

ANSI/UL 60079-13-2020, Standard for Safety for Explosive Atmospheres - Part 13: Equipment Protection by Pressurized Room p and Artificially Ventilated Room v (national adoption with modifications of IEC 60079-13): 4/20/2020

Revision

ANSI/UL 414-2020, Standard for Safety for Meter Sockets (revision of ANSI/UL 414-2018): 4/22/2020

ANSI/UL 746C-2020, Standard for Safety for Polymeric Materials - Use in Electrical Equipment Evaluations (revision of ANSI/UL 746C-2018): 4/20/2020

ANSI/UL 1069-2020, Standard for Safety for Hospital Signaling and Nurse Call Equipment (revision of ANSI/UL 1069-2019): 4/23/2020

ANSI/UL 1773-2020, Standard for Safety for Termination Boxes (revision of ANSI/UL 1773-2018): 4/22/2020

ANSI/UL 1839-2020, Standard for Safety for Automotive Battery Booster Cables (revision of ANSI/UL 1839-2016): 4/22/2020

Project Initiation Notification System (PINS)

ANSI Procedures require notification of ANSI by ANSI-accredited standards developers (ASD) of the initiation and scope of activities expected to result in new or revised American National Standards (ANS). Early notification of activity intended to reaffirm or withdraw an ANS and in some instances a PINS related to a national adoption is optional. The mechanism by which such notification is given is referred to as the PINS process. For additional information, see clause 2.4 of the ANSI Essential Requirements: Due Process Requirements for American National Standards.

Following is a list of proposed actions and new ANS that have been received recently from ASDs. Please also review the section in Standards Action entitled "American National Standards Maintained Under Continuous Maintenance" for additional or comparable information with regard to standards maintained under the continuous maintenance option. Use the following Public Document Library url to access PDF & EXCEL reports of approved & proposed ANS: List of Approved and Proposed ANS

Directly and materially affected interests wishing to receive more information or to submit comments are requested to contact the standards developer directly within 30 days of the publication of this announcement.

AIAA (American Institute of Aeronautics and Astronautics)

Contact: Hillary Woehrle, (703) 264-7546, hillaryw@aiaa.org
12700 Sunrise Valley Drive, Suite 200, Reston, VA 20191-5807

New National Adoption

BSR/AIAA/ISO 21384-3-202x, Unmanned aircraft systems - Part 3: Operational procedures (identical national adoption of ISO 21384-3)

Stakeholders: All bodies and organizations involved in UAS enterprises, both in manufacturing and operation.

Project Need: No ISO standard currently exists which covers the operation of UAS.

This international standard specifies the requirements for UAS operational procedures.

ASTM (ASTM International)

Contact: Laura Klineburger, (610) 832-9744, accreditation@astm.org
100 Barr Harbor Drive, West Conshohocken, PA 19428-2959

New Standard

BSR/ASTM WK72534-202x, Reinstatement of F1533-01(2009): Standard Specification for Deformed Polyethylene (PE) Liner (new standard)

Stakeholders: Trenchless Plastic Pipeline Technology industry.

Project Need: This application is for municipal sewage, storm water, industrial process liquids and effluents, conduit, and ducts. This renewal process involves installing a deformed liner into an existing pipeline, conduit, or duct, then reforming the liner with heat and pressure to fit tightly to the bore of the original pipeline, conduit, or duct.

Covers requirements and test methods for materials of deformed PE liner intended for the rehabilitation of gravity flow and nonpressure pipelines.

BSR/ASTM WK72557-202x, Reinstatement of F2720/F2720M-09: Standard Specification for Glass Fiber Reinforced Polyethylene (PE-GF) Spiral Wound Large Diameter Pipe (new standard)

Stakeholders: Composite industry.

Project Need: The piping is intended for new construction and renewal of existing piping systems used for the transport of water, slurries, municipal sewage, domestic sewage, effluents, etc., in pressure systems.

Covers requirements and test methods for materials, dimensions, workmanship, joining systems, and marking for large diameter, 12 in. [300 mm] and larger, inside-diameter-controlled glass-fiber-reinforced polyethylene (PE-GF) spiral-wound pipe with electrofusion joints.

AVIXA (Audiovisual and Integrated Experience Association)

Contact: Ann Brigida, (703) 277-2007, abrigida@avixa.org
11242 Waples Mill Road, Suite 200, Fairfax, VA 22030

New Standard

BSR/AVIXA F502.02-202x, Rack Design for AV Systems (new standard)

Stakeholders: The Standard is relevant to any stakeholders that utilize AV systems; markets like education, banking, retail, hospitality, dining, transportation, telecom, IT, and most businesses. Although the standard was written with the commercial AV system user in mind, many residential AV systems today rival commercial systems in complexity and would be helped by the standard. Designers, integrators, technology managers, and end-users would all find the standard relevant.

Project Need: Audiovisual (AV) systems are used to create integrated experiences in virtually every environment around the globe. Most of these systems are housed in a rack specifically designed to hold AV equipment. Designing an AV equipment rack is a complex process. An AV rack designer must gather information necessary to facilitate the integration of a rack that satisfies the requirements of the space, the technology, and the system design. Many factors must be considered by the designer such as the electronic components that will go into the rack as well as the rack environment, sub-assemblies, cabling, heat load, airflow, power distribution, and power requirements in order to ensure a properly functioning system.

Addresses the holistic design requirements for an AV equipment rack. It details the requirements for collecting rack-design input information and the required design output documentation. While the Standard includes requirements for some specific elements, it recognizes and accommodates the unique nature of each AV system's design.

DSI (Dental Standards Institute, Inc.)

Contact: Bryan Laskin, (762) 290-0004, bryan@operadds.com
109 Bushaway Road, Suite 100, Wayzata, MN 55391

New Standard

BSR/DSI TDST1.1-202x, The Usage of Teledentistry for Remote Prediagnostic Dental Care (new standard)

Stakeholders: Users (healthcare professionals), Consumers (patients).

Project Need: The recent emphasis on teledentistry has led to a massive surge in applications rushing to meet the demand, often times presenting solutions that are ill-equipped to address the actual problems that both dental patients and dental professionals encounter. Key to solving this dilemma is creating clear definitions within the teledental industry, as well as creating normative structure that allows Prediagnostic Teledentistry to be preformed consistently, securely with a high level of care.

Defines the category of Prediagnostic Teledentistry (PDTD), as well as the subcategories within the category. The goal of this Standard is to address the need for differentiating prediagnostic remote care from definitive remote care, as well as providing convenient, secure, consistent, interoperable communication between dental care providers and patients remotely. In addition, this Standard will address some of the most problematic areas of providing teledental care today, including the need for easy documentation and efficiently managed quality remote dental care screening.

ESTA (Entertainment Services and Technology Association)

Contact: Richard Nix, (212) 244-1505, standards@esta.org
630 Ninth Avenue, Suite 609, New York, NY 10036-3748

New Standard

BSR E1.71-202x, Powered Curtain Machines (new standard)

Stakeholders: Manufacturers, consultants, distributors, scene shops, and entertainment technicians.

Project Need: There are no current non-E1 standards that address these machines, and curtain machines are generally excluded from the scope of current E1 standards for powered machinery. Therefore, there is a need in the industry to address the safety requirements for this type of special machinery.

Establishes requirements for the design, manufacture, installation, inspection, and maintenance of machines intended solely for the movement of curtains for performance, presentation, and theatrical production. These requirements would apply to machines that provide movement of fabric in any direction, irrespective of their mounting location. This standard does not apply to the structure to which the machine is attached, or to machines such as those used for fire-safety curtains or for performer flying, which are covered by other existing standards. The provisions of this standard are not intended to prohibit any design, materials, or methods of fabrication, provided that any such alternative is at least the equivalent of that described in this standard in quality, strength, and effectiveness.

BSR E1.72-202x, Stage Floor Machinery (new standard)

Stakeholders: Manufacturers, consultants, distributors, scene shops, and entertainment technicians.

Project Need: There are currently no non-E1 standards that address machinery used for movement of floors in entertainment environments, and this type of equipment is excluded from current E1 stage machinery and stage lift standards. Therefore, a need exists to address safety requirements for this type of special machinery. This standard fulfills that need.

Establishes requirements for the design, manufacture, installation, inspection, operation, and maintenance of powered machinery used for movement of floors used in performance, presentation, and theatrical productions. This document covers the machinery, mechanisms, machine safety devices, and control interface requirements for equipment and systems, installed permanently or temporarily. This standard does not apply to the structure to which the machine is attached, nor to the finished floor, including its subflooring construction. The provisions of this standard are not intended to prohibit any design, materials, or methods of fabrication, provided that any such alternative is at least the equivalent of that described in this standard in quality, strength, and effectiveness.

IES (Illuminating Engineering Society)

Contact: Patricia McGillicuddy, (917) 913-0027, pmcgillicuddy@ies.org
120 Wall Street, Floor 17, New York, NY 10005

New Standard

BSR/IES RP-27.1-202x, Recommended Practice: UV Germicidal Irradiation (new standard)

Stakeholders: Lighting practitioners, electrical engineers, architects, interior designers, people in the built environment, regulatory/code, luminaire and light-source manufacturers, testing labs, optical and vision experts, the general public.

Project Need: The purpose of the Recommended Practice is to summarize the photobiological hazards of exposure to ultraviolet (UV) radiation and to provide recommendations to minimize the risks of such effects from ultraviolet lamp systems. The RP will be submitted for ANSI approval.

The Recommended Practice (RP) will provide greater details for all types of UV, metrics, and Risk Classifications, expanding upon the CR and referencing the fundamental document, ANSI/IES RP-27-20.

ISA (International Society of Automation)

Contact: Eliana Brazda, (919) 990-9228, ebrazda@isa.org
67 Alexander Drive, Research Triangle Park, NC 27709

New Standard

BSR/ISA 96.09.01-202x, Quarter-Turn Actuators and Valves - Mounting Hardware (new standard)

Stakeholders: Consumers, manufacturers, regulatory bodies.

Project Need: To provide design requirements and basic quality protocol for interface hardware and adapters of quarter-turn actuators and valves.

Specifies basic design requirements for attachment hardware of quarter-turn actuators to quarter-turn valves. The three main components discussed in this document are the brackets, couplings, and fasteners.

TAPPI (Technical Association of the Pulp and Paper Industry)

Contact: Priscila Briggs, (770) 209-7249, standards@tappi.org
15 Technology Parkway South, Suite 115, Peachtree Corners, GA 30092

Revision

BSR/TAPPI T 657 sp-202x, Sampling of fillers and pigments (revision of ANSI/TAPPI T 657 sp-2012)

Stakeholders: Manufacturers of pulp, paper, packaging, or related products; consumers or converters of such products; and suppliers of equipment, supplies, or raw materials for the manufacture of such products.

Project Need: To revise existing TAPPI/ANSI Standard based on comments received on Draft 1 ballot.

Describes procedures for sampling shipments of fillers, pigments, and other materials in finely divided form for the purpose of securing a sample for analysis. Procedures are given for sampling dry bulk and bagged shipments, as well as high-solids slurries.

TMA (The Monitoring Association)

Contact: Bryan Ginn, (703) 242-4670, bginn@tma.us
8150 Leesburg Pike, Suite 700, Vienna, VA 22182

New Standard

BSR/TMA AVS-01-202x, TMA Alarm Validation Scoring (new standard)

Stakeholders: The Monitoring Association (TMA), Security Industry Association (SIA), Association of Public Communications Officials (APCO), National Emergency Number Association (NENA), International Association of Chiefs of Police (IACP), National Sheriffs Association (NSA), International Association of Fire Chiefs (IAFC), National Fire Protection Association (NFPA), Partnership for Priority Verified Alarm Response (PPVAR).

Project Need: Public Safety officials in municipalities establish alarm response policies specific to their jurisdiction. Such an ANSI standard will be created cooperatively with Public Safety stakeholders. Alarm scores would be calculated by an alarm monitoring center process and technology. Alarm scores transmitted to Public Safety in a standardized manner minimizes workflows within Public Safety. It allows Public Safety to take advantage of the data without the burden of receiving and analyzing it themselves. Additionally, the standard can enable processes for data relative to a Call for Service, to be "pulled" by Public Safety on demand.

The increasing use of data by Public Safety has had a positive impact on the services they provide to the public. Datasets generated by commercial sources, such as the alarm industry, can be a valuable data source to Public Safety. Real-time data from security providers will improve situational awareness as well as first-responder safety. Sensor innovation driven by technological advances has raised the quantity and quality of data collected by alarm systems. Alarm monitoring centers can use this data to estimate the validity of an alarm event, which enables the creation of standardized "alarm scoring" metrics. Calls for Service to Emergency Call Centers/Public Safety Answering Points that include a standardized scoring metric can assist public safety departments that opt-in to the program, with their alarm response policies, similar to how Location Accuracy and Crash Severity scoring are used.

American National Standards Maintained Under Continuous Maintenance

The ANSI Essential Requirements: Due Process Requirements for American National Standards provides two options for the maintenance of American National Standards (ANS): periodic maintenance (see clause 4.7.1) and continuous maintenance (see clause 4.7.2). Continuous maintenance is defined as follows:

The standard shall be maintained by an accredited standards developer. A documented program for periodic publication of revisions shall be established by the standards developer. Processing of these revisions shall be in accordance with these procedures. The published standard shall include a clear statement of the intent to consider requests for change and information on the submittal of such requests. Procedures shall be established for timely, documented consensus action on each request for change and no portion of the standard shall be excluded from the revision process. In the event that no revisions are issued for a period of four years, action to reaffirm or withdraw the standard shall be taken in accordance with the procedures contained in the ANSI Essential Requirements.

The Executive Standards Council (ExSC) has determined that for standards maintained under the Continuous Maintenance option, separate PINS announcements are not required. The following ANSI Accredited Standards Developers have formally registered standards under the Continuous Maintenance option.

- **AAMI (Association for the Advancement of Medical Instrumentation)**
- **AARST (American Association of Radon Scientists and Technologists)**
- **AGA (American Gas Association)**
- **AGSC (Auto Glass Safety Council)**
- **ASC X9 (Accredited Standards Committee X9, Incorporated)**
- **ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)**
- **ASME (American Society of Mechanical Engineers)**
- **ASTM (ASTM International)**
- **GBI (Green Building Initiative)**
- **HL7 (Health Level Seven)**
- **IES (Illuminating Engineering Society)**
- **ITI (InterNational Committee for Information Technology Standards)**
- **MHI (Material Handling Industry)**
- **NAHBRC (NAHB Research Center, Inc.)**
- **NBBPVI (National Board of Boiler and Pressure Vessel Inspectors)**
- **NCPDP (National Council for Prescription Drug Programs)**
- **NEMA (National Electrical Manufacturers Association)**
- **NISO (National Information Standards Organization)**
- **NSF (NSF International)**
- **PRCA (Professional Ropes Course Association)**
- **RESNET (Residential Energy Services Network, Inc.)**
- **SAE (SAE International)**
- **TCNA (Tile Council of North America)**
- **TIA (Telecommunications Industry Association)**
- **UL (Underwriters Laboratories, Inc.)**

To obtain additional information with regard to these standards, including contact information at the ANSI Accredited Standards Developer, please visit ANSI Online at www.ansi.org/asd, select “American National Standards Maintained Under Continuous Maintenance.” Questions? psa@ansi.org.

ANSI-Accredited Standards Developers Contact Information

The addresses listed in this section are to be used in conjunction with standards listed in PINS, Call for Comment and Final Actions. This section is a list of developers who have submitted standards for this issue of *Standards Action* – it is not intended to be a list of all ANSI-Accredited Standards Developers. Please send all address corrections to Standards Action Editor at standact@ansi.org.

AAFS
American Academy of Forensic Sciences
410 North 21st Street
Colorado Springs, CO 80904
Phone: (719) 453-1036
Web: www.aafs.org

AAMI
Association for the Advancement of Medical Instrumentation
901 N. Glebe Road, Suite 300
Arlington, VA 22203
Phone: (703) 253-8261
Web: www.aami.org

AGA (ASC Z380)
American Gas Association
400 North Capitol Street, NW
Suite 450
Washington, DC 20001
Phone: 202-824-7337
Web: www.aga.org

AGMA
American Gear Manufacturers Association
1001 N Fairfax Street
5th Floor
Alexandria, VA 22314-1587
Phone: (703) 684-0211
Web: www.agma.org

AIAA
American Institute of Aeronautics and Astronautics
12700 Sunrise Valley Drive, Suite 200
Reston, VA 20191-5807
Phone: (703) 264-7546
Web: www.aiaa.org

AISC
American Institute of Steel Construction
130 E Randolph Street
Suite 2000
Chicago, IL 60601-6204
Phone: (312) 670-5410
Web: www.aisc.org

ANS
American Nuclear Society
555 North Kensington Avenue
La Grange Park, IL 60526
Phone: (708) 579-8268
Web: www.ans.org

ASABE
American Society of Agricultural and Biological Engineers
2950 Niles Road
Saint Joseph, MI 49085
Phone: (269) 932-7015
Web: https://www.asabe.org

ASCE
American Society of Civil Engineers
1801 Alexander Bell Dr
Reston, VA 20191
Phone: (703) 295-6176
Web: www.asce.org

ASHRAE
American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.
1791 Tullie Circle, NE
Atlanta, GA 30329
Phone: (404) 636-8400
Web: www.ashrae.org

ASME
American Society of Mechanical Engineers
Two Park Avenue
M/S 6-2B
New York, NY 10016-5990
Phone: (212) 591-8489
Web: www.asme.org

ASTM
ASTM International
100 Barr Harbor Drive
West Conshohocken, PA 19428-2959
Phone: (610) 832-9744
Web: www.astm.org

AVIXA
Audiovisual and Integrated Experience Association
11242 Waples Mill Road
Suite 200
Fairfax, VA 22030
Phone: (703) 277-2007
Web: www.avixa.org

AWS
American Welding Society
8669 NW 36 ST., #130
Miami, FL 33166
Phone: (800) 443-9353
Web: www.aws.org

CTA
Consumer Technology Association
1919 South Eads Street
Arlington, VA 22202
Phone: (703) 907-7697
Web: www.cta.tech

DSI
Dental Standards Institute, Inc.
109 Bushaway Road
Suite 100
Wayzata, MN 55391
Phone: (762) 290-0004
Web: https://dentalstandardsinstitute.com/

ECIA
Electronic Components Industry Association
13873 Park Center Road
Suite 315
Herndon, VA 20171
Phone: (571) 323-0294
Web: www.ecianow.org

ESTA
Entertainment Services and Technology Association
630 Ninth Avenue
Suite 609
New York, NY 10036-3748
Phone: (212) 244-1505
Web: www.esta.org

HL7
Health Level Seven
3300 Washtenaw Avenue
Suite 227
Ann Arbor, MI 48104
Phone: (734) 677-7777
Web: www.hl7.org

IAPMO (ASSE Chapter)
ASSE International Chapter of IAPMO
18927 Hickory Creek Drive
Suite 220
Mokena, IL 60448
Phone: (708) 995-3015
Web: www.asse-plumbing.org

IEEE (ASC N42)
Institute of Electrical and Electronics Engineers
445 Hoes Lane
Piscataway, NJ 08854
Phone: (732) 465-6640
Web: standards.ieee.org

IES
Illuminating Engineering Society
120 Wall Street, Floor 17
New York, NY 10005
Phone: (917) 913-0027
Web: www.ies.org

ISA (Organization)
International Society of Automation
67 Alexander Drive
Research Triangle Park, NC 27709
Phone: (919) 990-9228
Web: www.isa.org

LIA (ASC Z136)
Laser Institute of America
13501 Ingenuity Drive, Suite 128
Orlando, FL 32826
Phone: (407) 380-1553
Web: www.laserinstitute.org

NEMA (ASC C29)
National Electrical Manufacturers Association
1300 North 17th Street
Suite 900
Rosslyn, VA 22209
Phone: (703) 841-3231
Web: www.nema.org

NFPA
National Fire Protection Association
One Batterymarch Park
Quincy, MA 02169
Phone: (617) 984-7246
Web: www.nfpa.org

NSF
NSF International
789 N. Dixboro Road
Ann Arbor, MI 48105-9723
Phone: (734) 827-3817
Web: www.nsf.org

TAPPI
Technical Association of the Pulp and Paper Industry
15 Technology Parkway South
Suite 115
Peachtree Corners, GA 30092
Phone: (770) 209-7249
Web: www.tappi.org

TCNA (ASC A108)
Tile Council of North America
100 Clemson Research Blvd.
Anderson, SC 29625
Phone: (864) 646-8453
Web: www.tcnatile.com

TIA
Telecommunications Industry Association
1320 North Courthouse Road
Suite 200
Arlington, VA 22201
Phone: (703) 907-7706
Web: www.tiaonline.org

TMA
The Monitoring Association
8150 Leesburg Pike, Suite 700
Vienna, VA 22182
Phone: (703) 242-4670
Web: www.csaaul.org

UL
Underwriters Laboratories
171 Nepean Street
Suite 400
Ottawa, ON K2P 0B4 Canada
Phone: (613) 755-2729
Web: https://ul.org

ISO & IEC Draft International Standards

This section lists proposed standards that the International Organization for Standardization (ISO) and the International Electrotechnical Commission (IEC) are considering for approval. The proposals have received substantial support within the technical committees or subcommittees that developed them and are now being circulated to ISO and IEC members for comment and vote. Standards Action readers interested in reviewing and commenting on these documents should order copies from ANSI.

Comments

Comments regarding ISO documents should be sent to ANSI's ISO Team (isot@ansi.org); comments on ISO documents must be submitted electronically in the approved ISO template and as a Word document as other formats will not be accepted.

Those regarding IEC documents should be sent to Tony Zertuche, General Secretary, USNC/IEC, at ANSI's New York offices (tzertuche@ansi.org). The final date for offering comments is listed after each draft.

Ordering Instructions

ISO and IEC Drafts can be made available by contacting ANSI's Customer Service department. Please e-mail your request for an ISO or IEC Draft to Customer Service at sales@ansi.org. When making your request, please provide the date of the Standards Action issue in which the draft document you are requesting appears.

ISO Standards

ACOUSTICS (TC 43)

ISO/DIS 10140-1, Acoustics - Laboratory measurement of sound insulation of building elements - Part 1: Application rules for specific products - 7/13/2020, $125.00

ISO/DIS 10140-2, Acoustics - Laboratory measurement of sound insulation of building elements - Part 2: Measurement of airborne sound insulation - 7/13/2020, $62.00

ISO/DIS 10140-3, Acoustics - Laboratory measurement of sound insulation of building elements - Part 3: Measurement of impact sound insulation - 7/13/2020, $62.00

ISO/DIS 10140-4, Acoustics - Laboratory measurement of sound insulation of building elements - Part 4: Measurement procedures and requirements - 7/13/2020, $62.00

ISO/DIS 10140-5, Acoustics - Laboratory measurement of sound insulation of building elements - Part 5: Requirements for test facilities and equipment - 7/13/2020, $107.00

AGRICULTURAL FOOD PRODUCTS (TC 34)

ISO/DIS 771, Oilseed meals - Determination of moisture and volatile matter content - 7/16/2020, $40.00

BANKING AND RELATED FINANCIAL SERVICES (TC 68)

ISO/DIS 5116-3, Improving transparency in financial and business reporting - Harmonisation topics - Part 3: Mapping between DPM and MDM - 7/13/2020, $125.00

FASTENERS (TC 2)

ISO/DIS 4014, Hexagon head bolts - Product grades A and B - 7/18/2020, $58.00

ISO/DIS 4015, Hexagon head bolts with reduced shank (shank diameter/pitch diameter) - Product grade B - 7/18/2020, $46.00

ISO/DIS 4016, Hexagon head bolts - Product grade C - 7/18/2020, $53.00

ISO/DIS 4017, Hexagon head screws - Product grades A and B - 7/18/2020, $53.00

ISO/DIS 4018, Hexagon head screws - Product grade C - 7/18/2020, $53.00

FLUID POWER SYSTEMS (TC 131)

ISO/DIS 11943, Hydraulic fluid power - Online automatic particle-counting systems for liquids - Methods of calibration and validation - 7/16/2020, $93.00

HYDROMETRIC DETERMINATIONS (TC 113)

ISO/DIS 748, Hydrometry - Measurement of liquid flow in open channels - Velocity area methods using point velocity measurements - 7/12/2020, $112.00

ISO/DIS 23350, Hydrometry - Catching-type liquid precipitation measuring gauges - 7/13/2020, $71.00

LIGHT METALS AND THEIR ALLOYS (TC 79)

ISO/DIS 23694, Wrought magnesium and magnesium alloys - Extruded rods/bars and tubes - 7/12/2020, $62.00

ISO/DIS 23700, Wrought magnesium and magnesium alloys - Rolled plates and sheets - 7/16/2020, $62.00

MATERIALS, EQUIPMENT AND OFFSHORE STRUCTURES FOR PETROLEUM AND NATURAL GAS INDUSTRIES (TC 67)

ISO/DIS 20257-2, Installation and equipment for liquefied natural gas - Design of floating LNG installations - Part 2: Specific FSRU issues - 7/13/2020, $112.00

MECHANICAL VIBRATION AND SHOCK (TC 108)

ISO 21940-11/DAmd1, Mechanical vibration - Rotor balancing - Part 11: Procedures and tolerances for rotors with rigid behaviour - Amendment 1 - 7/16/2020, $33.00

ISO 21940-14/DAmd1, Mechanical vibration - Rotor balancing - Part 14: Procedures for assessing balance errors - Amendment 1 - 7/16/2020, $29.00

METALLIC AND OTHER INORGANIC COATINGS (TC 107)

ISO/DIS 3613, Chromate conversion coatings on zinc, cadmium, aluminium-zinc alloys and zinc-aluminium alloys - Test methods - 11/4/2026, $58.00

MICROBEAM ANALYSIS (TC 202)

ISO/DIS 23420, Microbeam analysis - Analytical electron microscopy - Method for the determination of energy resolution for electron energy loss spectrum analysis - 7/16/2020, $93.00

PACKAGING (TC 122)

ISO/DIS 22982-2, Transport Packaging - Temperature controlled transport packages for parcel shipping - Part 2: General specifications of testing - 7/18/2020, $53.00

PAINTS AND VARNISHES (TC 35)

ISO/DIS 28199-1, Paints and varnishes - Evaluation of properties of coating systems related to the application process - Part 1: Relevant vocabulary and preparation of test panels - 7/17/2020, $82.00

ISO/DIS 28199-2, Paints and varnishes - Evaluation of properties of coating systems related to the application process - Part 2: Colour stability, process hiding power, re-dissolving, overspray absorption, wetting, surface texture and mottling - 7/17/2020, $58.00

ISO/DIS 28199-3, Paints and varnishes - Evaluation of properties of coating systems related to the application process - Part 3: Assessment of sagging, formation of bubbles, pinholing and hiding power - 7/17/2020, $62.00

ISO/DIS 22553-14, Paints and varnishes - Electro-deposition coatings - Part 14: Deposition behaviour - 7/17/2020, $40.00

PAPER, BOARD AND PULPS (TC 6)

ISO/DIS 8791-4, Paper and board - Determination of roughness/smoothness (air leak methods) - Part 4: Print-surf method - 7/16/2020, $82.00

PLASTICS (TC 61)

ISO/DIS 16152, Plastics - Determination of xylene-soluble matter in polypropylene - 7/17/2020, $53.00

ISO/DIS 24047, Plastics - Polyethylene (PE) and polypropylene (PP) thermoplastics - Determination of metal content by ICP-OES - 7/12/2020, $53.00

STEEL (TC 17)

ISO/DIS 7989-2, Steel wire and wire products - Non-ferrous metallic coatings on steel wire - Part 2: Zinc or zinc-alloy coating - 7/16/2020, $67.00

TECHNICAL SYSTEMS AND AIDS FOR DISABLED OR HANDICAPPED PERSONS (TC 173)

ISO/DIS 9999, Assistive products - Classification and terminology - 7/16/2020, $194.00

ISO/DIS 10535, Hoists for the transfer of disabled persons - Requirements and test methods - 7/13/2020, $146.00

WATER QUALITY (TC 147)

ISO/DIS 13163, Water quality - Lead-210 - Test method using liquid scintillation counting - 7/17/2020, $82.00

ISO/IEC JTC 1, Information Technology

ISO/IEC DIS 29121, Information technology - Digitally recorded media for information interchange and storage - Data migration method for optical disks for long-term data storage - 7/13/2020, $88.00

ISO/IEC DIS 18328-2, Identification cards - ICC-managed devices - Part 2: Physical characteristics and test methods for cards with devices - 7/17/2020, $82.00

ISO/IEC DIS 23090-9, Information technology - MPEG-I (Coded Representation of Immersive Media) - Part 9: Geometry-based Point Cloud Compression - 7/18/2020, $165.00

IEC Standards

3D/342(F)/FDIS, IEC 62656-8 ED1: Standardized product ontology register and transfer by data parcels - Part 8: Web service interface for data parcels, 2020/5/15

14/1052/DISH, IEC 60076-11/ISH1 ED2: Power transformers - Part 11: Dry-type transformers, 020/6/5/

17A/1262/CDV, IEC 62271-101 ED3: High-voltage switchgear and controlgear - Part 101: Synthetic testing, 2020/7/17

17A/1267A/NP, PNW TS 17A-1267: Alternating current circuit-breakers intended for controlled switching, 2020/6/26

17C/754/CD, IEC 62271-203 ED3: High-voltage switchgear and controlgear - Part 203: Gas-insulated metal-enclosed switchgear for rated voltages above 52 kV, 2020/7/17

23A/903/FDIS, IEC 61534-1/AMD2 ED2: Amendment 2 - Powertrack systems - Part 1: General requirements, 020/6/5/

27/1128(F)/FDIS, IEC 60779 ED3: Installations for electroheating and electromagnetic processing - Test methods for electroslag remelting furnaces, 2020/5/15

34D/1541/CD, IEC 60598-2-11/AMD1 ED2: Amendment 1 - Luminaires - Part 2-11: Particular requirements - Aquarium luminaires, 2020/7/17

36/486(F)/FDIS, IEC 60120 ED4: Ball and socket couplings of string insulator units - Dimensions, 2020/5/15

36/484(F)/FDIS, IEC 60471 ED3: Clevis and tongue couplings of string insulator units - Dimensions, 2020/5/15

45/888/CDV, IEC 63148 ED1: Requirements of tracking system for radioactive materials, 2020/7/17

45B/963/CD, IEC 62694 ED2: Radiation protection instrumentation - Backpack-type radiation detector (BRD) for the detection of illicit trafficking of radioactive material, 2020/7/17

62A/1391/FDIS, IEC 60601-1-6/AMD2 ED3: Amendment 2 - Medical electrical equipment - Part 1-6: General requirements for basic safety and essential performance - Collateral standard: Usability, 020/6/5/

62A/1392/FDIS, IEC 60601-1-8/AMD2 ED2: Amendment 2 - Medical electrical equipment - Part 1-8: General requirements for basic safety and essential performance - Collateral Standard: General requirements, tests and guidance for alarm systems in medical electrical equipment and medical electrical systems, 020/6/5/

62A/1389/FDIS, IEC 60601-1/AMD2 ED3: Amendment 2 - Medical electrical equipment - Part 1: General requirements for basic safety and essential performance, 020/6/5/

62A/1390/FDIS, IEC 60601-1-2/AMD1 ED4: Amendment 1 - Medical electrical equipment - Part 1-2: General requirements for basic safety and essential performance - Collateral Standard: Electromagnetic disturbances - Requirements and tests, 020/6/5/

62A/1394/FDIS, IEC 60601-1-10/AMD2 ED1: Amendment 2 - Medical electrical equipment - Part 1-10: General requirements for basic safety and essential performance - Collateral Standard: Requirements for the development of physiologic closed-loop controllers, 020/6/5/

62A/1393/FDIS, IEC 60601-1-9/AMD2 ED1: Amendment 2 - Medical electrical equipment - Part 1-9: General requirements for basic safety and essential performance - Collateral Standard: Requirements for environmentally conscious design, 020/6/5/

62A/1395/FDIS, IEC 60601-1-11/AMD1 ED2: Amendment 1 - Medical electrical equipment - Part 1-11: General requirements for basic safety and essential performance - Collateral Standard: Requirements for medical electrical equipment and medical electrical systems used in the home healthcare environment, 020/6/5/

62A/1396/FDIS, IEC 60601-1-12/AMD1 ED1: Amendment 1 - Medical electrical equipment - Part 1-12: General requirements for basic safety and essential performance - Collateral Standard: Requirements for medical electrical equipment and medical electrical systems intended for use in the emergency medical services environment, 020/6/5/

78/1315/CD, IEC 62819 ED1: Live working - Eye, face and head protectors against the effects of electric arc - Test methods and performance requirements, 2020/7/17

90/455(F)/FDIS, IEC 61788-26 ED1: Superconductivity - Part 26: Critical current measurement - DC critical current of RE-Ba-Cu-O composite superconductors, 020/5/8/

91/1649/DTR, IEC TR 62878-2-8 ED1: Device embedded substrate - Part 2-8: Guidelines-Warpage Control of Active Device Embedded Substrate, 2020/6/19

91/1648/FDIS, IEC 61760-1 ED3: Surface mounting technology - Part 1: Standard method for the specification of surface mounting components (SMDs), 020/6/5/

100/3429/NP, PNW 100-3429: RF cabling for two-way home networks with all-digital channels load, 2020/7/17

111/575(F)/FDIS, IEC 62321-10 ED1: Determination of certain substances in electrotechnical products - Part 10: Polycyclic aromatic hydrocarbons (PAHs) in polymers and electronics by gas chromatography-mass spectrometry (GC-MS), 020/5/8/

121A/357/FDIS, IEC 60947-4-3 ED3: Low-voltage switchgear and controlgear - Part 4-3: Contactors and motor-starters - Semiconductor controllers and semiconductor contactors for non-motor loads, 020/6/5/

121B/104/FDIS, IEC 61439-2 ED3: Low-voltage switchgear and controlgear assemblies - Part 2: Power switchgear and controlgear assemblies, 020/6/5/

122/92/CD, IEC 63042-102 ED1: UHV AC transmission systems - General system design, 2020/6/19

SyCSmartCities/139/FDIS, IEC 63152 ED1: Smart Cities - City service continuity against disasters - The role of the electrical supply, 020/6/5/

SyCSmartCities/140/NP, PNW TS SYCSMARTCITIES-140: Systems Reference Deliverable (SRD) Smart City Standards Inventory and Mapping - Part 4: Guidance on standards for public health emergencies, 2020/7/17

JTC1-SC25/2951/CD, ISO/IEC 11801-6/AMD1 ED1: Amendment 1 - Information technology - Generic cabling for customer premises - Part 6: Distributed building services, 2020/7/17

Newly Published ISO & IEC Standards

Listed here are new and revised standards recently approved and promulgated by ISO - the International Organization for Standardization – and IEC – the International Electrotechnical Commission. Most are available at the ANSI Electronic Standards Store (ESS) at www.ansi.org. All paper copies are available from Standards resellers (http://webstore.ansi.org/faq.aspx#resellers)..

ISO Standards

ACOUSTICS (TC 43)

ISO 12999-1:2020, Acoustics - Determination and application of measurement uncertainties in building acoustics - Part 1: Sound insulation, $138.00

BUILDING ENVIRONMENT DESIGN (TC 205)

ISO 16484-5/Amd1:2020, Building automation and control systems (BACS) - Part 5: Data communication protocol - Amendment 1, $68.00

CLINICAL LABORATORY TESTING AND IN VITRO DIAGNOSTIC TEST SYSTEMS (TC 212)

ISO 17511:2020, In vitro diagnostic medical devices - Requirements for establishing metrological traceability of values assigned to calibrators, trueness control materials and human samples, $209.00

CRANES (TC 96)

ISO 12480-3:2020, Cranes - Safe use - Part 3: Tower cranes, $162.00

DOCUMENTS AND DATA ELEMENTS IN ADMINISTRATION, COMMERCE AND INDUSTRY (TC 154)

ISO 23354:2020, Business requirements for end-to-end visibility of logistics flow, $138.00

FERROUS METAL PIPES AND METALLIC FITTINGS (TC 5)

ISO 7369:2020, Pipework - Metal hoses and hose assemblies - Vocabulary, $45.00

MATERIALS, EQUIPMENT AND OFFSHORE STRUCTURES FOR PETROLEUM AND NATURAL GAS INDUSTRIES (TC 67)

ISO 20257-1:2020, Installation and equipment for liquefied natural gas - Design of floating LNG installations - Part 1: General requirements, $232.00

MECHANICAL VIBRATION AND SHOCK (TC 108)

ISO 19283:2020, Condition monitoring and diagnostics of machines - Hydroelectric generating units, $209.00

MEDICAL DEVICES FOR INJECTIONS (TC 84)

ISO 7886-2:2020, Sterile hypodermic syringes for single use - Part 2: Syringes for use with power-driven syringe pumps, $103.00

PAINTS AND VARNISHES (TC 35)

ISO 22553-11:2020, Paints and varnishes - Electro-deposition coatings - Part 11: Bath stability, $45.00

PLASTICS AND RUBBER MACHINES (TC 270)

ISO 20430:2020, Plastics and rubber machines - Injection moulding machines - Safety requirements, $232.00

PLASTICS PIPES, FITTINGS AND VALVES FOR THE TRANSPORT OF FLUIDS (TC 138)

ISO 13953/Amd1:2020, Polyethylene (PE) pipes and fittings - Determination of the tensile strength and failure mode of test pieces from a butt-fused joint - Amendment 1, $19.00

ISO 13954/Amd1:2020, Plastics pipes and fittings - Peel decohesion test for polyethylene (PE) electrofusion assemblies of nominal outside diameter greater than or equal to 90 mm - Amendment 1: Plastics pipes and fittings - Peel decohesion test for polyethylene (PE) electrofusion assemblies of nominal outside diameter greater than or equal to 90 mm, $19.00

ISO 13955/Amd1:2020, Plastics pipes and fittings - Crushing decohesion test for polyethylene (PE) electrofusion assemblies - Amendment 1: Plastics pipes and fittings - Crushing decohesion test for polyethylene (PE) electrofusion assemblies, $19.00

ROAD VEHICLES (TC 22)

ISO 11452-4:2020, Road vehicles - Component test methods for electrical disturbances from narrowband radiated electromagnetic energy - Part 4: Harness excitation methods, $185.00

ISO 18669-2:2020, Internal combustion engines - Piston pins - Part 2: Inspection measuring principles, $103.00

TERMINOLOGY (PRINCIPLES AND COORDINATION) (TC 37)

ISO 20771:2020, Legal translation - Requirements, $138.00

ISO 29383:2020, Terminology policies - Development and implementation, $138.00

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

ISO 21202:2020, Intelligent transport systems - Partially automated lane change systems (PALS) - Functional/operational requirements and test procedures, $103.00

TYRES, RIMS AND VALVES (TC 31)

ISO 20911:2020, Radio frequency identification (RFID) tyre tags - Tyre attachment classification, $45.00

ISO 20912:2020, Conformance test methods for RFID enabled tyres, $103.00

ISO Technical Reports

AIRCRAFT AND SPACE VEHICLES (TC 20)

ISO/TR 23629-1:2020, UAS traffic management (UTM) - Part 1: Survey results on UTM, $103.00

ROAD VEHICLES (TC 22)

ISO/TR 27957:2020, Road vehicles - Temperature measurement in anthropomorphic test devices - Definition of the temperature sensor locations, $162.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 27009:2020, Information security, cybersecurity and privacy protection - Sector-specific application of ISO/IEC 27001 - Requirements, $103.00

IEC Standards

EQUIPMENT FOR ELECTRICAL ENERGY MEASUREMENT AND LOAD CONTROL (TC 13)

IEC 62056-8-8 Ed. 1.0 b:2020, Electricity metering data exchange - The DLMS/COSEM suite - Part 8-8: Communication profile for ISO/IEC 14908 series networks, $375.00

FIBRE OPTICS (TC 86)

IEC 62149-11 Ed. 1.0 b:2020, Fibre optic active components and devices - Performance standards - Part 11: Multiple channel transmitter/receiver chip scale package with multimode fibre interface, $82.00

FLAT PANEL DISPLAY DEVICES (TC 110)

IEC 62906-5-6 Ed. 1.0 en:2020, Laser displays - Part 5-6: Measuring methods for optical performance of projection screens, $164.00

HYDRAULIC TURBINES (TC 4)

IEC 63132-3 Ed. 1.0 b:2020, Guidance for installation procedures and tolerances of hydroelectric machines - Part 3: Vertical Francis turbines or pump-turbines, $235.00

IEC 63132-4 Ed. 1.0 b:2020, Guidance for installation procedures and tolerances of hydroelectric machines - Part 4: Vertical Kaplan or propeller turbines, $235.00

INDUSTRIAL-PROCESS MEASUREMENT AND CONTROL (TC 65)

IEC 61784-2 Ed. 4.0 b:2019, Industrial communication networks - Profiles - Part 2: Additional fieldbus profiles for real-time networks based on ISO/IEC/IEEE 8802-3, $410.00

IEC 62769-103-1 Ed. 2.0 b:2020, Field Device Integration (FDI) - Part 103-1: Profiles - PROFIBUS, $235.00

IEC 62769-103-4 Ed. 2.0 b:2020, Field Device Integration (FDI) - Part 103-4: Profiles - PROFINET, $235.00

IEC 62769-109-1 Ed. 2.0 b:2020, Field Devices Integration (FDI) - Part 109-1: Profiles - HART® and WirelessHART®, $235.00

S+ IEC 62769-103-1 Ed. 2.0 en:2020 (Redline version), Field Device Integration (FDI) - Part 103-1: Profiles - PROFIBUS, $305.00

S+ IEC 62769-103-4 Ed. 2.0 en:2020 (Redline version), Field Device Integration (FDI) - Part 103-4: Profiles - PROFINET, $305.00

S+ IEC 62769-109-1 Ed. 2.0 en:2020 (Redline version), Field Devices Integration (FDI) - Part 109-1: Profiles - HART® and WirelessHART®, $305.00

NUCLEAR INSTRUMENTATION (TC 45)

IEC 61226 Ed. 4.0 b:2020, Nuclear power plants - Instrumentation, control and electrical power systems important to safety - Categorization of functions and classification of systems, $235.00

POWER SYSTEM CONTROL AND ASSOCIATED COMMUNICATIONS (TC 57)

IEC 61968-1 Ed. 3.0 b:2020, Application integration at electric utilities - System interfaces for distribution management - Part 1: Interface architecture and general recommendations, $375.00

IEC 62351-8 Ed. 1.0 b:2020, Power systems management and associated information exchange - Data and communications security - Part 8: Role-based access control for power system management, $352.00

ROTATING MACHINERY (TC 2)

IEC 60034-5 Ed. 5.0 en:2020, Rotating electrical machines - Part 5: Degrees of protection provided by the integral design of rotating electrical machines (IP code) - Classification, $164.00

S+ IEC 60034-5 Ed. 5.0 en:2020 (Redline version), Rotating electrical machines - Part 5: Degrees of protection provided by the integral design of rotating electrical machines (IP code) - Classification, $213.00

SEMICONDUCTOR DEVICES (TC 47)

IEC 62047-37 Ed. 1.0 b:2020, Semiconductor devices - Micro-electromechanical devices - Part 37: Environmental test methods of MEMS piezoelectric thin films for sensor application, $117.00

IEC Technical Reports

ENVIRONMENTAL CONDITIONS, CLASSIFICATION AND METHODS OF TEST (TC 104)

IEC/TR 62131-7 Ed. 1.0 en:2020, Environmental conditions - Vibration and shock of electrotechnical equipment - Part 7: Transportation by rotary wing aircraft, $317.00

PROCESS MANAGEMENT FOR AVIONICS (TC 107)

IEC/TR 62396-8 Ed. 1.0 en:2020, Process management for avionics - Atmospheric radiation effects - Part 8: Proton, electron, pion, muon, alpha-ray fluxes and single event effects in avionics electronic equipment - Awareness guidelines, $317.00

IEC Technical Specifications

SWITCHGEAR AND CONTROLGEAR AND THEIR ASSEMBLIES FOR LOW VOLTAGE (TC 121)

IEC/TS 63107 Ed. 1.0 b:2020, Integration of internal arc-fault mitigation systems in power switchgear and controlgear assemblies (PSC - Assemblies) according to IEC 61439-2, $235.00

Proposed Foreign Government Regulations

Call for Comment

U.S. manufacturers, exporters, regulatory agencies and standards developing organizations may be interested in proposed foreign technical regulations notified by Member countries of the World Trade Organization (WTO). In accordance with the WTO Agreement on Technical Barriers to Trade (TBT Agreement), Members are required to notify proposed technical regulations that may significantly affect trade to the WTO Secretariat in Geneva, Switzerland. In turn, the Secretariat issues and makes available these notifications. The purpose of the notification requirement is to provide global trading partners with an opportunity to review and comment on the regulations before they become final.

The USA Inquiry Point for the WTO TBT Agreement is located at the National Institute of Standards and Technology (NIST) in the Standards Coordination Office (SCO). The Inquiry Point distributes the notified proposed foreign technical regulations (notifications) and makes the associated full-texts available to U.S. stakeholders via its online service, Notify U.S. Interested U.S. parties can register with Notify U.S. to receive e-mail alerts when notifications are added from countries and industry sectors of interest to them.

To register for Notify U.S., please visit http://www.nist.gov/notifyus/.

The USA WTO TBT Inquiry Point is the official channel for distributing U.S. comments to the network of WTO TBT Enquiry Points around the world. U.S. business contacts interested in commenting on the notifications are asked to review the comment guidance available on Notify U.S. at https://tsapps.nist.gov/notifyus/data/guidance/guidance.cfm prior to submitting comments.

For further information about the USA TBT Inquiry Point, please visit: https://www.nist.gov/standardsgov/what-we-do/trade-regulatory-programs/usa-wto-tbt-inquiry-point

Contact the USA TBT Inquiry Point at:(301) 975-2918; Fax: (301) 926-1559; E-mail: usatbtep@nist.gov or notifyus@nist.gov.

Information Concerning

American National Standards

Call for Members

INCITS Executive Board – ANSI Accredited SDO and US TAG to ISO/IEC JTC 1, Information Technology

The InterNational Committee for Information Technology Standards (INCITS), an ANSI accredited SDO, is the forum of choice for information technology developers, producers and users for the creation and maintenance of formal de jure IT standards. INCITS' mission is to promote the effective use of Information and Communication Technology through standardization in a way that balances the interests of all stakeholders and increases the global competitiveness of the member organizations.

The INCITS Executive Board serves as the consensus body with oversight of its 40+ Technical Committees. Additionally, the INCITS Executive Board has the international leadership role as the US Technical Advisory Group (TAG) to ISO/IEC JTC 1, Information Technology.

Membership in the INCITS Executive Board is open to all directly and materially affected parties in accordance with INCITS membership rules. To find out more about participating on the INCITS Executive Board, contact Jennifer Garner at jgarner@itic.org or visit http://www.incits.org/participation/membership-info for more information.

Membership in all interest categories is always welcome; however, the INCITS Executive Board seeks to broaden its membership base in the following categories:

- Service Providers
- Users
- Standards Development Organizations and Consortia
- Academic Institutions

Society of Cable Telecommunications

ANSI Accredited Standards Developer

SCTE, an ANSI-accredited SDO, is the primary organization for the creation and maintenance of standards for the cable telecommunications industry. SCTE's standards mission is to develop standards that meet the needs of cable system operators, content providers, network and customer premises equipment manufacturers, and all others who have an interest in the industry through a fair, balanced and transparent process.

SCTE is currently seeking to broaden the membership base of its consensus bodies and is interested in new members in all membership categories to participate in new work in fiber-optic networks, advanced advertising, 3D television, and other important topics. Of particular interest is membership from the content (program and advertising) provider and user communities.

Membership in the SCTE Standards Program is open to all directly a materially affected parties as defined in SCTE's membership rules and operating procedures. More information is available at www.scte.org or by e-mail from standards@scte.org.

International Organization for Standardization (ISO)

Call for U.S. TAG Administrator

ISO/TC 17 – Steel

ANSI has been informed that ASTM International, the ANSI-accredited U.S. TAG Administrator for ISO/TC 17, wishes to relinquish their role as U.S. TAG Administrator.

ISO/TC 17 operate under the following scope:

Standardization in the field of cast, wrought and cold-formed steel, including technical delivery conditions for steel tubes for pressure purposes.

Excluded:

- steel tubes within the scope of ISO/TC 5;
- line pipe, casing, tubing and drill pipe within the scope of ISO/TC 67;
- methods of mechanical testing of metals within the scope of ISO/TC 164.

Organizations interested in serving as the U.S. TAG Administrator or participating on a U.S. TAG should contact ANSI's ISO Team (isot@ansi.org).

ISO New Work Item Proposal

Managing Risk for Youth and School Trips

Comment Deadline: June 5, 2020

COPOLCO, the ISO Policy Advisory Committee on Consumer Issues, and SCC, has submitted to ISO a proposal for new work item proposal for the development of an ISO standard on Managing risk for youth and school trips, with the following scope statement:

We envision a new ISO standard which will provide guidance for managing risk for youth (in particular. minors due to their particular vulnerabilities) and school trips for both domestic and international travel. The standard will gather best practices to address typical risks for this sector such as behavioral breaches and carelessness of students, weather-related problems, requirements for those with special needs (such as travelers with disabilities), technical elements such as mechanical failures of equipment, etc. The standard will benefit both the travelers themselves and the organizations that serve them by covering:

- Safety and security of groups of young people travelling (specifically but not limited to school groups);
- Risk management for organizations such as school boards, tourist attractions, tour operators, service providers, and recreational activities, etc.

NOTE: This proposed standard will not include how to organize such trips and it will not be limited to adventure travel.

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, June 5, 2020.

ISO Proposal for a New Field of ISO Technical Activity

Child Care Articles

Comment Deadline: June 5, 2020

AFNOR, the ISO member body for France, has submitted to ISO a proposal for a new field of ISO technical activity on Child care articles, with the following scope statement:

> Standardization of horizontal requirements of any product designed or obviously intended to safely ensure and facilitate seating, bathing, changing and general body care, feeding, sleeping, transportation and protection for young children. Standardization of all products related to child care for which no other Technical Committee exists. The main focus is for products intended for children up to 4 years old.

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, June 5, 2020.

Social Responsibility

Comment Deadline: June 5, 2020

AFNOR, the ISO member body for France, has submitted to ISO a proposal for a new field of ISO technical activity on social Responsibility, with the following scope statement:

> Standardization in the field of Social Responsibility to provide guidance and framework to all types of organizations, regardless of their size, activity or location. It allows organizations to challenge their own practices, define their corporate social responsibility and thus devise strategies to enhance their contribution to sustainable development.

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, June 5, 2020.

U.S. Technical Advisory Groups

Approval of TAG Accreditation

U.S. TAG to ISO TC 39/SC 4 – Woodworking Machinery

ANSI's Executive Standards Council (ExSC) has formally approved the accreditation of the U.S. Technical Advisory Group to ISO TC 39/SC 4, Woodworking machinery and the appointment of the Woodworking Machinery Industry Association (WMIA) as TAG Administrator, effective April 29, 2020. The TAG will operate under the Model Operating Procedures for U.S. Technical Advisory Groups to ANSI for ISO Activities as contained in Annex A of the ANSI International Procedures. For additional information, please contact: Mr. Larry Hoffer, President & CEO, WMIA, 3025 Hamaker Ct. #460, Fairfax, VA 22031; phone: 571.279.8340; e-mail: LHoffer@wmia.org.

U.S. TAG to ISO TC 326 – Machinery Intended for Use with Foodstuffs

ANSI's Executive Standards Council (ExSC) has formally approved the accreditation of the U.S. Technical Advisory Group to ISO TC 326, Machinery intended for use with foodstuffs and the appointment of the American Society of Agricultural and Biological Engineers (ASABE) as TAG Administrator, effective April 24, 2020. The TAG will operate under the Model Operating Procedures for U.S. Technical Advisory Groups to ANSI for ISO Activities as contained in Annex A of the ANSI International Procedures. For additional information, please contact: Mr. Scott Cedarquist, Director, Standards and Technical, ASABE, 2950 Niles Road, St. Joseph, MI 49085-9659; phone: 269.932.7031; e-mail: cedarq@asabe.org.

Transfer of TAG Administrator

U.S. TAG to ISO TC 171/SC 2 – Document File Formats, EDMS Systems and Authenticity of Information

As no comments were received in response to the March 27, 2020 Standards Action announcement of the transfer of TAG Administrator responsibilities from the 3D PDF Consortium to the PDF Association, Inc. for the U.S. Technical Advisory Group (TAG) to ISO TC 171/SC 2, Document file formats, EDMS systems and authenticity of information, this transfer action is approved, effective April 27, 2020. For additional information, please contact: Ms. Betsy Fanning, CIP, Director, Standards, PDF Association, 10 Longfellow Road, Winchester, MA 01890; phone: 571.218.9817; e-mail: betsy.fanning@pdfa.org.

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Information Concerning

American National Standards

Call for Members

AAMI/ISO Standards

Comment Deadline: June 1, 2020

AAMI (www.aami.org) is actively seeking participation in the following standards development work and in the interest categories specified:

AAMI/ISO 8637-1, *Extracorporeal systems for blood purification series, Part 1: Haemodialysers, haemodiafilters, haemofilters and haemoconcentrators*. Specifies requirements for haemodialysers, haemodiafilters, haemofilters and haemoconcentrators, for use in humans. Seeking industry/general interest/regulator members. To apply or obtain additional information, please contact Cliff Bernier at cbernier@aami.org by June 1, 2020.

AAMI/ISO 8637-2, *Extracorporeal systems for blood purification, Part 2: Extracorporeal blood circuit for haemodialysers, haemodiafilters an haemofilters*. Specifies requirements for the blood circuit for devices used in extracorporeal blood filtration therapies such as, but not limited to, haemodialysis, haemodiafiltration, haemofiltration and transducer protectors (integral and non-integral) intended for use in such circuits. Seeking industry/general interest/regulator members. To apply or obtain additional information please contact Cliff Bernier at cbernier@aami.org by June 1, 2020.

AAMI/ISO 8637-3, *Extracorporeal systems for blood purification, Part 3: Plasmafilters*. Specifies requirements and acceptance criteria (including test methods) for safety related parameters for plasmafilters. Specifies requirements for sterile, single-use plasmafilters, intended for use on humans. Seeking industry/general interest/regulator members. To apply or obtain additional information please contact Cliff Bernier at cbernier@aami.org by June 1, 2020.

American National Standards (ANS) – Where to find Procedures, Guidance, Interpretations and More…

Please visit ANSI's website (www.ansi.org) for resources that will help you to understand, administer and participate in the American National Standards (ANS) process. Documents posted at these links are updated periodically as new documents and guidance are developed, whenever ANS-related procedures are revised, and routinely with respect to lists of proposed and approved ANS. The main ANS-related link is www.ansi.org/asd and here are some direct links as well as highlights of information that is available:

- *ANSI Essential Requirements: Due process requirements for American National Standards* (always current edition): www.ansi.org/essentialrequirements
- ANSI Standards Action (weekly public review announcements of proposed ANS and standards developer accreditation applications, listing of recently approved ANS, and proposed revisions to ANS-related procedures): www.ansi.org/standardsaction
- Accreditation information – for potential developers of American National Standards (ANS): www.ansi.org/sdoaccreditation
- ANS Procedures, ExSC Interpretations and Guidance (including a slide deck on how to participate in the ANS process and the BSR-9 form): www.ansi.org/asd
- Lists of ANSI-Accredited Standards Developers (ASDs), Proposed ANS and Approved ANS: www.ansi.org/asd
- American National Standards Key Steps: www.ansi.org/anskeysteps
- American National Standards Value: www.ansi.org/ansvalue
- ANS Web Forms for ANSI-Accredited Standards Developers - PINS, BSR8|108, BSR11, Technical Report: www.ansi.org/PSAWebForms
- Information about standards Incorporated by Reference (IBR): www.ansi.org/ibr
- ANSI - Education and Training: www.standardslearn.org

If you have a question about the ANS process and cannot find the answer quickly, please send an email to psa@ansi.org .

Please also visit Standards Boost Business at www.standardsboostbusiness.org for resources about why standards matter, testimonials, case studies, FAQs and more.

If you are interested in purchasing an American National Standard, please visit https://webstore.ansi.org/

BSR/ASHRAE Addendum *a* to
ANSI/ASHRAE Standard 154-2016

Public Review Draft

Proposed Addendum *a* to Standard 154-2016, Ventilation for Commercial Cooking Operations

First Public Review (May 2020)
(Draft shows Proposed Changes to Current Standard)

This draft has been recommended for public review by the responsible project committee. To submit a comment on this proposed standard, go to the ASHRAE website at www.ashrae.org/standards-research--technology/public-review-drafts and access the online comment database. The draft is subject to modification until it is approved for publication by the Board of Directors and ANSI. Until this time, the current edition of the standard (as modified by any published addenda on the ASHRAE website) remains in effect. The current edition of any standard may be purchased from the ASHRAE Online Store at www.ashrae.org/bookstore or by calling 404-636-8400 or 1-800-727-4723 (for orders in the U.S. or Canada).

This standard is under continuous maintenance. To propose a change to the current standard, use the change submittal form available on the ASHRAE website, www.ashrae.org.

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ASHRAE, 1791 Tullie Circle, NE, Atlanta GA 30329-2305

(This foreword is not part of this standard. It is merely informative and does not contain requirements necessary for conformance to the standard. It has not been processed according to the ANSI requirements for a standard and may contain material that has not been subject to public review or a consensus process. Unresolved objectors on informative material are not offered the right to appeal at ASHRAE or ANSI.)

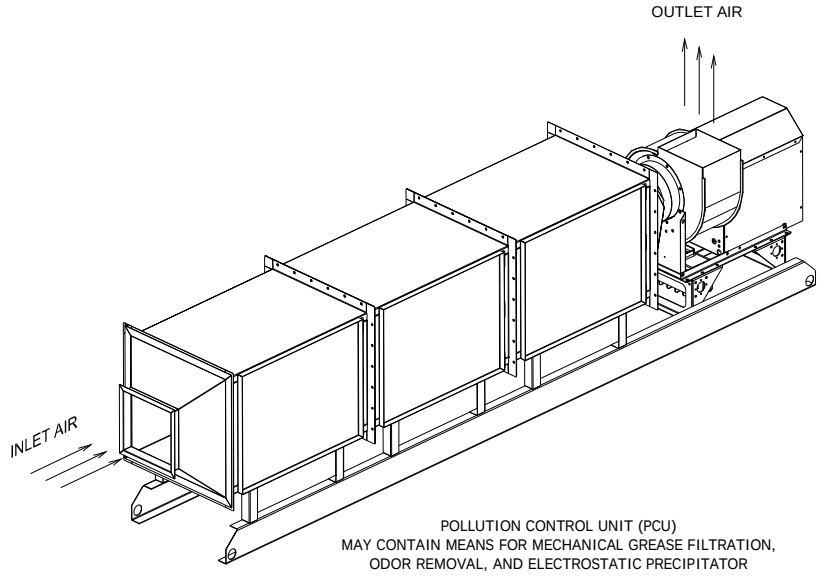
FOREWORD

Coherence with ASHRAE HVAC Applications Handbook 2019 publication Chapter 34 Section 1.7.

[Note to Reviewers: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~strikethrough~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the current standard are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed changes.]

INFORMATIVE APPENDIX F – POLLUTION CONTROL UNIT USED IN TYPE 1 EXHAUST APPLICATIONS

F1. **Pollution Control Unit.** Type I duct incorporated equipment utilized for the abatement of commercial kitchen smoke and odor. ~~These units (Figure F-1), not equipped with electrostatic precipitators shall be listed in accordance with the applicable requirements of UL8782, Outline of Investigation for Pollution Control Units for Commercial Cooking Operations.~~ Pollution Control Units shall be listed in accordance with Outline of Investigation for Pollution Control Units for Commercial Cooking Operations, UL 8782.



Addendum A, Appendix F Pollution Control Units

Figure. F-1 Pollution Control Unit

BSR/ASHRAE Addendum *b* to
ANSI/ASHRAE Standard 154-2016

Public Review Draft

Proposed Addendum *b* to Standard 154-2016, Ventilation for Commercial Cooking Operations

First Public Review (May 2020)
(Draft shows Proposed Changes to Current Standard)

This draft has been recommended for public review by the responsible project committee. To submit a comment on this proposed standard, go to the ASHRAE website at www.ashrae.org/standards-research--technology/public-review-drafts and access the online comment database. The draft is subject to modification until it is approved for publication by the Board of Directors and ANSI. Until this time, the current edition of the standard (as modified by any published addenda on the ASHRAE website) remains in effect. The current edition of any standard may be purchased from the ASHRAE Online Store at www.ashrae.org/bookstore or by calling 404-636-8400 or 1-800-727-4723 (for orders in the U.S. or Canada).

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FOREWORD

This editorial change is consistent with IMC and NFPA 96

[Note to Reviewers: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~strikethrough~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the current standard are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed changes.]

5.6.1 Exhaust systems shall be designed to prevent re-entrainment into building intakes. Prevailing winds and velocities shall be considered when locating intake and exhaust openings. The minimum horizontal distance between discharge and intake shall be 10 ft (3 m). Where this horizontal distance is not achievable, the exhaust shall discharge a minimum of ~~2 ft (0.6 m)~~ (3 ft (0.9 m) above any outdoor air intake. Exhaust discharge shall not impinge on overhangs, parapets, other equipment, or higher parts of buildings.

BSR/ASHRAE Addendum *c* to
ANSI/ASHRAE Standard 154-2016

Public Review Draft

Proposed Addendum *c* to Standard 154-2016, Ventilation for Commercial Cooking Operations

First Public Review (May 2020)
(Draft shows Proposed Changes to Current Standard)

This draft has been recommended for public review by the responsible project committee. To submit a comment on this proposed standard, go to the ASHRAE website at www.ashrae.org/standards-research--technology/public-review-drafts and access the online comment database. The draft is subject to modification until it is approved for publication by the Board of Directors and ANSI. Until this time, the current edition of the standard (as modified by any published addenda on the ASHRAE website) remains in effect. The current edition of any standard may be purchased from the ASHRAE Online Store at www.ashrae.org/bookstore or by calling 404-636-8400 or 1-800-727-4723 (for orders in the U.S. or Canada).

This standard is under continuous maintenance. To propose a change to the current standard, use the change submittal form available on the ASHRAE website, www.ashrae.org.

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FOREWORD

This addendum adds an exception under Section 4.2.2.

Rationale: Since an exception is not listed for type II hoods, some AHJ's have interpreted that a Type II hood is required for cooking appliances that are verified to produce less than 3.1 x 10^{-7} lb./ft^3 of grease (when measured at 500 cfm exhaust airflow).

[Note to Reviewers: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~strikethrough~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the current standard are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed changes.]

Change Section 4.2.2 as follows:

4.2.2 Type II hoods shall be installed in accordance with the overhangs shown in Table 3 and the net exhaust airflow rates shown in Table 4, based on the maximum appliance duty level shown in Table 2 for the appliances underneath the hood. Type II hoods may also be installed where cooking or dishwashing appliances produce heat, steam, or products of combustion. ~~and do not produce grease in excess of 3.1 × 10^{-7} lb/ft3 (5 mg/m3) when measured at an exhaust airflow of 500 cfm (236 L/s).~~

Exception:

Cooking appliances listed in Table 2 or where an approved testing agency provides documentation or certifies that the appliance produces less than 3.1 x 10^{-7} lb./ft^3 (5 mg/m^3) of grease (when measured at 500 cfm exhaust airflow), and the additional heat and moisture loads generated by such appliances is accounted for in the sensible and latent loads for the HVAC system.

Informative Note: The 3.1 × 10^{-7} lb/ft^3 (5 mg/m^3) grease concentration when measured at 500 cfm (236 L/s) of exhaust air is equivalent to 9.3 × 10^{-3} lb/h (4.21 × 10^{-3} kg/h) of grease generated by the cooking process.

BSR/ASHRAE Addendum *d* to
ANSI/ASHRAE Standard 154-2016

Public Review Draft

Proposed Addendum *d* to Standard 154-2016, Ventilation for Commercial Cooking Operations

First Public Review (May 2020)
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FOREWORD

This new subsection harmonizes with ASHRAE Handbook 2019 publication Chapter 34 and current design practices where balancing dampers are allowed per NFPA 96. The use of balancing dampers facilitates balancing multiple hoods served by common exhaust manifold and exhaust fan.

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5. EXHAUST SYSTEMS

5.1.8 Balancing dampers shall not be installed in hood exhaust duct system.

Exception:

Where specifically listed for such use or as part of a listed device or system, the balancing dampers shall not restrict the venting of byproducts of combustion. Access shall be provided to both sides of the damper for the purposes of servicing and cleaning.

BSR/ASHRAE Addendum *e* to
ANSI/ASHRAE Standard 154-2016

Public Review Draft

Proposed Addendum *e* to Standard 154-2016, Ventilation for Commercial Cooking Operations

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FOREWORD

This addendum adds new Appendix E; previous Appendix E becomes Appendix G because Addendum A becomes Appendix F. Appendix E is informative describing the different types of exhaust fans used to ventilate commercial kitchen hoods.

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INFORMATIVE APPENDIX E – EXAMPLES OF FAN TYPES USED IN TYPE 1 EXHAUST APPLICATIONS

E1. Power Roof Ventilator (PRV). Also known as upblast fans, PRVs are designed for mounting at the exhaust duct outlet (Figure E-1a) and discharge upward or outward from the roof or building. Aluminum upblast fans must be listed for the commercial kitchen exhaust application in compliance with UL 762, *Outline of Investigation for Power Roof Ventilators for Restaurant Exhaust Applications*[16] and must include a grease drain, grease collection device, and integral hinge kit to permit access for duct cleaning.

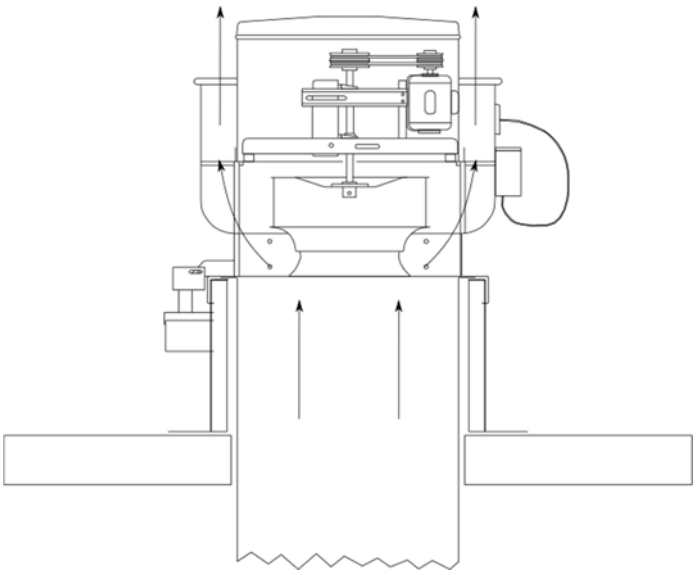

Figure. E-1a Power Roof Ventilator (Up-Blast Fan)

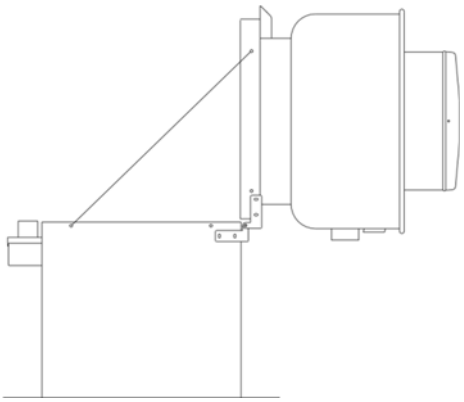

Figure. E-1b Hinged Power Roof Ventilator (Up-Blast Fan)

E2. Tubular Centrifugal. These fans, also known as inline fans, have the impeller mounted in a cylindrical housing discharging the gas in an axial direction (Figure E-2). Where approved, these fans can be located in the duct inside a building if exterior fan mounting is not practical for wall or roof exhaust. They are always constructed of steel. The gasketed flange mounting must be grease tight yet removable for service. The lowest part of the fan must drain to an approved container. When listed in accordance with UL *Standard* 762, a grease drain, grease collection device, and blower housing access panel are required.

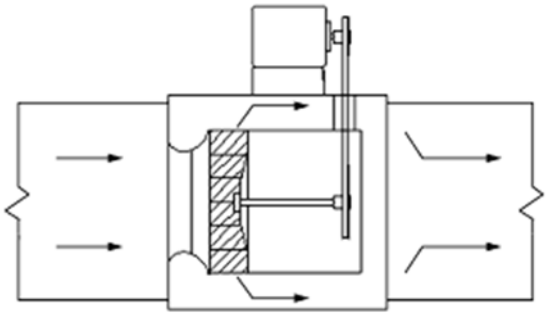

Figure. E-2 Tubular Centrifugal (Inline) Fan

E3. Centrifugal Fan. Also known as a utility set, this is an AMCA Arrangement 10 centrifugal fan, including a field-rotatable blower housing, blower wheel with motor, drive, and often a motor/ drive weather cover (Figure E-3). These fans are typically constructed of steel and roof-mounted. Where approved, centrifugal fans can be mounted indoors and ducted to discharge outside. The inlet and outlet are at 90° to each other (single width, single inlet), and the outlet can usually be rotated to discharge at different angles around a vertical circle. The lowest part of the fan must drain to an approved container. These exhaust fans will be provided with access panels for inspection and cleaning. When listed in accordance with UL *Standard* 762, a grease drain, grease collection device, and blower housing access panel are required.

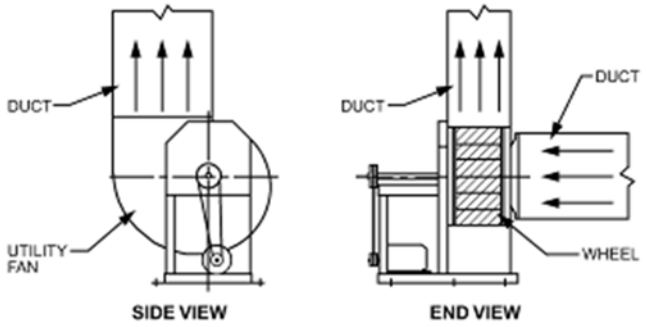

Figure. E-3 Centrifugal Fan (Utility Set)

E4. High Plume Fan. These fans may be used for kitchen applications when the requirements for a high exhaust plume are required (Figure E-4). These fans generate a high nozzle exit velocity, which forces the exhaust plume to higher elevations and thus discharges smoke and grease laden vapors into the atmosphere. This is applicable when the intent is to prevent re-entrainment of the smoke and grease laden kitchen exhaust into the building make-up air system, or to discharge it over neighboring buildings or structures. When listed in accordance with UL *Standard 762*, a grease drain, grease collection device, and blower housing access panel are required. Due to the size and weight of these fans, the installation should be verified for structural integrity by a structural engineer. Items to be evaluated may include roof load, wind load, and seismic conditions.

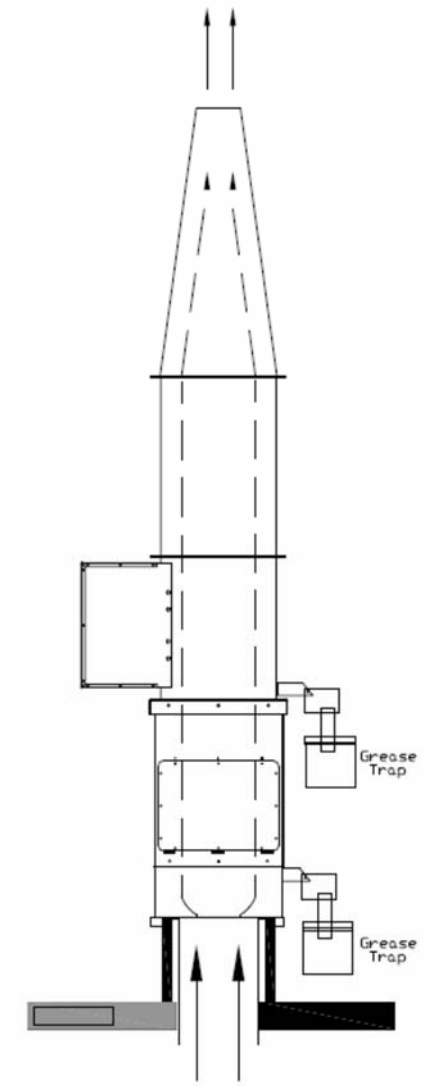

Figure. E-4 High Plume Fan

BSR/ASHRAE Addendum *f* to
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FOREWORD

This addendum makes changes to Section 4.2.3. Rationale is as follows: Table 1 lists appliances that require a Type I hood. A Type I hood is not recommended for appliances in Table 2.

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4.2.3 A Type I hood shall be provided where a cooking operation within a commercial or institutional food service facility produces smoke or grease-laden vapors. Appliances that produce greater than 3.1×10^{-7} lb/ft^3 (5 mg/m^3) of grease (when measured at 500 cfm ~~or~~ [236 L/s] exhaust airflow) shall require a Type I hood. ~~Type I hoods shall be installed in accordance with the overhangs shown in Table 3.~~

Exceptions:

1. Cooking appliances not used for commercial purposes and installed within dwelling units
2. Appliances listed in ~~Table 2~~*Table 1* that produce less than 3.1 x 10^{-7} lb./ft^3 (5 mg/m^3) of grease (when measured at 500 cfm exhaust airflow)

BSR/UL 94, Standard for Tests for Flammability of Plastic Materials for Parts in Devices and Appliances

1. Foam Material Testing (HBF/HF-1/HF-2): Inclusion of Density Value in Section 12

12.1.2A This test method is used to determine the relative rate of burning and the extent and time of burning of horizontally oriented cellular polymeric materials having a density less than 250 kg/m^3.

UL 1283, Standard for Safety for Electromagnetic Interference Filters

1. Replacement of Reference to UL 508C with UL 61800-5-1

7.1.4 Insulated live parts or portions of insulated live parts which extend through a primary Type 12 enclosure, as defined in the Standard for Enclosures for Electrical Equipment, Environmental Considerations, UL 50E, shall be protected from dripping non-corrosive liquids and circulating dust by either of the following methods:

a) When protection from dripping non-corrosive liquids is provided by electrical insulation integral to the insulated live part, the insulation material shall meet the requirements for Flame Rating, RTI, HWI, HAI and CTI as described in the requirements for Insulating Material in the Standard for ~~Power Conversion Equipment, UL 508C~~ Adjustable Speed Electrical Power Drive Systems - Part 5-1: Safety Requirements - Electrical, Thermal and Energy, UL 61800-5-1, and additionally the requirements for Volume Resistivity and Dielectric Strength, both of the Standard for Polymeric Materials - Use in Electrical Equipment Evaluations, UL 746C, following exposure to water in accordance with the requirements for Water Exposure and Immersion of UL 746C.

b) When protection from dripping liquids is provided by mechanical means such as a cavity, channel, hood, or guard, the construction shall inhibit contact with dripping liquids when the assembly including primary enclosure is subjected to the Drip Test in the Standard for Enclosures for Electrical Equipment, Environmental Considerations, UL 50E, with the enclosure mounted in all orientations allowed.

c) Protection from circulating dust shall be verified by either the Dust Test or the Atomized Water Test of UL 50E. At the conclusion of either the Dust Test or Atomized Water Test, no contaminants (cement particles or water droplets) are allowed to be in contact with uninsulated live parts. Water droplets or cement particles are allowed to contact insulating material. Verification of contaminant ingress is to be accomplished by disassembly and visual inspection immediately following the conclusion of the test.

Exception: At the conclusion of either the Dust or Atomized Water Test in (c), contaminants are allowed in contact with uninsulated live parts in Class 2 or limited voltage/current circuits, as described in ~~UL 508C~~ UL 61800-5-1, that might be exposed in places such as the windings of a cooling fan supplied by a limited voltage/current source.

BSR/UL 1740, Standard for Safety for Robots and Robotic Equipment

1. Changes regarding illuminated e-stop

40.2.2.2 The emergency stop button shall be red in color with a yellow background; palm or mushroom head type; unguarded; and of the latched type or equivalent so that it is not possible to restart the robot until the emergency stop function is manually reset. Restarting of the robot shall only be possible by operating the start control after the emergency stop function has been reset.

Note: When emergency stop devices are installed on detachable or cableless operator control stations (e.g. pluggable portable teaching pendants) see ISO 13850 4.3.8 for reference.

2. Changes regarding workspace area limitation

40.5.5 Corded/wireless/cableless pendants shall be provided with a length of flexible cord or radio range that permits teaching outside the operating space. Measures shall be taken to prevent the misuse of manual control devices out of the intended operating area. Constructive measures have priority to organizational measures. Robots shall only be operated in manual mode as long as their hazardous movements are in the observation area of the operator.

Note: Below are examples of movements:
a) restriction of cable length of moveable control equipment,
b) restriction of radio range in case of wireless control equipment and
c) indoor localization systems

40.5.6 ~~Wireless/cableless~~ Pendants shall comply with the requirements found in the Standard for Robots and Robotic Devices – Safety Requirements for Industrial Robots – Part 1: Robots, ISO 10218-1.

BSR/UL 2218-202X, Standard for Safety for Impact Resistance of Prepared Roof Covering Materials

1. Revision of Section 1.1

1.1 This test method provides impact resistance data for the evaluation of prepared steep slope roof covering materials. For purposes of this Standard, prepared roof covering materials are considered to be small units, sheets or panels designed for installation with multiple layers of such materials installed in overlapping rows on slopes of 2:12 (16.67%) and greater.

2. Revision of Section 4.3

4.4.3 For roof covering materials with factory-applied adhesives, t~~T~~he completed test assemblies are to be placed in a conditioning cell and maintained at a temperature of 57 - 60°C (135 - 140°F) for a continuous period of not less than 16 hours. To avoid damage when examining tested samples, prevent the self-seal adhesive from adhering by covering it with masking tape or other similar type material. After conditioning, the test assemblies are to be allowed to cool to room temperature. Care is to be taken to avoid disturbing shingle tabs or causing any twisting or distortion of the test panels in handling.

4. Revision of Section 5

5.1 The test apparatus is to consist of lengths of 2-in (50.8 mm) diameter (ID) and 3-in (76.2 mm) diameter (ID) schedule 40 PVC pipe secured vertically ~~(perpendicular +/- 1 degree to the surface of the target specimen)~~ over the target specimen. Drop positions are to be prepared to provide for the release of steel balls down the centerline of the pipe at the drop heights specified for each size (diameter) of steel ball. The 2-in diameter pipe is to be used for the 1.25 and 1.50 in steel balls. The 3-in diameter pipe is to be used for the 1.75 and 2.00 in steel balls. See Figure 5.1.

5. Mandrel Requirements Revision

6.5 For roof covering materials having the flexibility to be bent over a~~n 8~~6-in (~~203~~152.4 mm) diameter mandrel, damage assessments are to be facilitated by bending the roof covering layer over the mandrel at each impact location, with the top surface in contact with the mandrel. The roof covering area having received the impact is to be bent over the mandrel on two axes (machine direction and 90° to the machine direction).

6. Acceptance Criteria Revision

7.3 Cosmetic damage ~~in and of itself shall not be determined to be a failure. Cosmetic damage such as denting, granule loss, or other damage~~ not extending through the cross-sectional area of a roof covering material layer~~, cracking of any paint finish, etc.~~ shall not be determined to be a failure.

BSR/UL 2225, Standard for Safety for Cables and Cable-Fittings *for Use in Hazardous (Classified) Locations*

1. **Revisions to permit the use of electronic medium for required documentation.**

PROPOSAL

24.2 The hydrostatic pressure test on the seal in a fitting is to be conducted on a seal prepared at room temperature, and immediately following the specified minimum cure time on a seal prepared at the minimum temperature specified in the sealing compound instructions ~~by the manufacturer in the installation instructions supplied with the fitting or with the sealing compound~~.

26.2 The test is to be conducted on seals prepared at room temperature and on seals prepared at the minimum temperature specified in the sealing compound instructions ~~by the manufacturer in the installation instructions supplied with the fitting or with the sealing compound~~.

MARKINGS AND INSTRUCTIONS

37 Markings ~~Details~~

37.13 This information may be marked on the box or fitting or it may be part of the installation instructions ~~packed with each box or fitting~~.

37A Instructions

37A.1 Cable fittings shall be provided with documentation that includes all the instructional material required by this standard.

37A.2 Electronic medium for required instructions

37A.2.1 The required instructional material of this standard may be provided additionally or alternatively by electronic media under the following conditions:

a) Where all required instructional material is provided by electronic media, there shall be marking on the apparatus that contains the international symbol ⚠ (Reference No. 0434B of ISO 7000), along with the document number, revision level and location of the electronic documentation (e.g. URL, QRcode).

b) Where only some of the required instructional material is provided by electronic media and some is printed:

1) there shall be marking on the apparatus that contains the international symbol ⚠ (Reference No. 0434B of ISO 7000), along with the document number, revision level and location of the electronic documentation (e.g. URL, QRcode); and

2) the printed instructions provided with the apparatus shall clearly identify that additional information is available electronically, along with the document number, revision level and location of this electronic documentation (e.g. URL, QRcode).

Exception: For small electrical apparatus where some or all of the instructional material is to be provided by electronic media, and where there is limited space for both the international symbol ⚠ (Reference No. 0434B of ISO 7000) and the document number, revision level and location of the electronic documentation (e.g. URL, QRcode):

a) *the international symbol ⚠ (Reference No. 0434B of ISO 7000) shall be marked on the apparatus; and*

b) printed instructions shall be provided with the apparatus that, as a minimum, indicates the document number, revision level and location of the electronic documentation (e. g. URL, QRcode).

NOTE When electronic documentation is referenced either on the device or on the printed instructions, the location given can be the specific location for the required instructions (e. g. direct link to the specific instructions), or can be a more general location. (e.g. the URL for the overall manufacturer's website). It is the manufacturer's responsibility to assure that the location of the required instructions is accessible by the user.

37A.2 Where a QRcode is used to provide the required instructional material, and the QRcode contains all required instructional material (as opposed to merely referencing a URL that contains required instructional material), a document number and revision level need not be indicated.

37A.3 Where some or all of the required instructional material is provided by electronic media, the required instructional material shall be available in printed format upon request of the user.