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: November 24, 2019

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

Addenda

BSR/ASHRAE Addendum f to BSR/ASHRAE Standard 147-202x, Reducing the Release of Halogenated Refrigerants from Refrigerating and Air-Conditioning Equipment and Systems (addenda to ANSI/ASHRAE Standard 147-2013)

This addendum makes changes to Section 4.1 and updates the Normative References.

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

BSR/ASHRAE/ASHE Addendum 170d-202x, Ventilation of Health Care Facilities (addenda to ANSI/ASHRAE Standard 170-2013)

This proposed addendum adds requirements and language similar to those required in Section 5 (Systems and Equipment) of ASHRAE Standard 62.1. Requirements include: (1) Air intake separation distance table adapted for 170 requirements, (2) Outdoor air verification requirements while operating, (3) Measures to prevent vehicle combustion in parking garages from entering the building, and (4) Air balancing requirements.

Click here to view these changes in full

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

NSF (NSF International)

Revision

BSR/NSF 14-202x (i104r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2018)

This Standard establishes minimum physical, performance, and health effects requirements for plastic piping system components and related materials. These criteria were established for the protection of public health and the environment.

Click here to view these changes in full

Send comments (with optional copy to psa@ansi.org) to: jsnider@nsf.org

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 87A-202x, Standard for Safety for Power-Operated Dispensing Devices for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 85 Percent (E0 - E85) (revision of ANSI/UL 87A-2019)

The following topic is being recirculated: (1) Add 16 percent isobutanol/gasoline blend.

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

BSR/UL 87B-202x, Standard for Safety for Power-Operated Dispensing Devices for Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends with Nominal Biodiesel Concentrations up to 20 Percent (B20), Kerosene, and Fuel Oil (revision of ANSI/UL 87B-2019)

The following topic is being recirculated: (1) Adding renewable diesel blends.

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

BSR/UL 2108-202x, Standard for Safety for Low Voltage Lighting Systems (revision of ANSI/UL 2108-2017)

This proposal for UL 2108 covers: (2) Definitions and (7) Markings and Instructions.

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

BSR/UL 2703-202x, Standard for Safety for Mounting Systems, Mounting Devices, Clamping/Retention Devices, and Ground Lugs for Use with Flat-Plate Photovoltaic Modules and Panels (revision of ANSI/UL 2703-2019)

This proposal for UL 2703 covers: (1) Marking and Manual Revisions.

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: December 9, 2019

APA (APA - The Engineered Wood Association)

Revision

BSR/ASD PRG 320-202x, Standard for Performance-Rated Cross-Laminated Timber (revision of ANSI/APA PRG 320-2018)

Update the existing standard to include Structural Composite Lumber and revise the existing standard on glue bond durability requirements

Single copy price: Free

Obtain an electronic copy from: borjen.yeh@apawood.org

Order from: Borjen Yeh, (253) 620-7467, borjen.yeh@apawood.org

Send comments (with optional copy to psa@ansi.org) to: Same

ASABE (American Society of Agricultural and Biological Engineers)

Reaffirmation

BSR/ASABE/ISO TS 28924-2007 SEP2015 (R202x), Agricultural machinery - Guards for moving parts of power transmission - Guard opening without tool (reaffirm a national adoption ANSI/ASABE/ISO TS 28924-2007 SEP2015)

This Technical Specification gives safety requirements, and the means of verifying them, for the design and construction of guards, able to be opened without a tool, which are used to guard the moving parts of the power transmission of self-propelled ride-on machines and mounted, semi-mounted or trailed machines used in agriculture. In addition, it specifies the type of information on safe working practices (including residual risks) to be provided by the manufacturer. It deals with the significant hazards (as listed in Annex A), hazardous situations and events relevant to guards of moving parts of power transmission used as intended and under the conditions foreseen by the manufacturer (see Clauses 4 and 5). It is not applicable to guards for moving parts of the power transmission of tractors, aircraft, air cushion vehicles, or lawn and garden equipment

Single copy price: $65.00 (non-members)/$44.00 (ASABE members)

Obtain an electronic copy from: brace@asabe.org

Order from: Walter Brace, (269) 932-7009, brace@asabe.org

Send comments (with optional copy to psa@ansi.org) to: Same

BSR/ASAE S362.2 JAN1993 (R202x), Wiring and Equipment for Electrically Driven or Controlled Irrigation Machines (reaffirmation of ANSI/ASAE S362.2 JAN1993 (R2015))

This Standard provides detailed information for the application of electrical apparatus to electrically driven or controlled irrigation machines. The purpose of this Standard is to improve the degree of personal safety in operation and application of products and materials under a reasonable range of conditions. This Standard covers all electrical equipment, apparatus, components, and wiring necessary for electrically driven or controlled irrigation machines, from the point of connection of electric power to the machine. Provisions of this Standard apply to electrical equipment for use on circuits operating at voltages between 30 and 600 V.

Single copy price: $65.00 (non-members)/$44.00 (ASABE members)

Obtain an electronic copy from: brace@asabe.org

Order from: Walter Brace, (269) 932-7009, brace@asabe.org

Send comments (with optional copy to psa@ansi.org) to: Same

ASME (American Society of Mechanical Engineers)

Revision

BSR/ASME OM-202x, Operation and Maintenance of Nuclear Power Plants (revision of ANSI/ASME OM-2017)

Establishes the requirements for preservice and inservice testing and examination of certain components to assess their operational readiness in light-water reactor power plants. It identifies the components subject to test or examination, responsibilities, methods, intervals, parameters to be measured and evaluated, criteria for evaluating the results, corrective action, personnel qualification, and record keeping.

Single copy price: Free

Obtain an electronic copy from: http://cstools.asme.org/publicreview

Order from: Terrell Henry, ASME; ansibox@asme.org

Send comments (with optional copy to psa@ansi.org) to: Oliver Martinez, (212) 591-7005, martinezo@asme.org

BHMA (Builders Hardware Manufacturers Association)

Revision

BSR/BHMA A156.19-202x, Power Assist and Low-Energy Power-Operated Swinging Doors (revision of ANSI/BHMA A156.19-2013)

Requirements in this Standard apply only to swing door operators. The operator types are power assist, and low energy power operators, for pedestrian use, and some small vehicular use. It does not address doors, finish, or hardware. The activation of all doors described in this standard requires a knowing act. Included are provisions intended to reduce the chance of user injury or entrapment. These products are intended to improve accessibility.

Single copy price: $36.00

Obtain an electronic copy from: mtierney@kellencompany.com

Order from: Michael Tierney, (860) 944-4264□, mtierney@kellencompany.com

Send comments (with optional copy to psa@ansi.org) to: Same

BSR/BHMA A156.38-202x, Low-Energy Power-Operated Sliding and Folding Doors (revision of ANSI/BHMA A156.38-2014)

Requirements in this Standard apply to low-energy power-operated sliding and folding door systems for pedestrian use and some small vehicular use. The activation of all doors described in this standard requires a knowing act. Included are provisions intended to reduce the chance of user injury or entrapment. These products are intended to improve accessibility.

Single copy price: $36.00

Obtain an electronic copy from: mtierney@kellencompany.com

Order from: Michael Tierney, (860) 944-4264□, mtierney@kellencompany.com

Send comments (with optional copy to psa@ansi.org) to: Same

ECIA (Electronic Components Industry Association)

Reaffirmation

BSR/EIA 364-16A-2009 (R202x), Stripping Force Test (Solderless Wrapped Connectors) Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-16A-2009 (R2015))

This standard establishes test methods to determine the force required to move a solderless wire-wrapped connection along the post parallel to the axis of the post.

Single copy price: $72.00

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

BSR/EIA 364-19A-2008 (R202x), Torsional Insert Retention Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-19A-2008 (R2015))

This standard establishes test methods to determine the ability of the insert retaining system to withstand the torsional stresses likely to be encountered during normal usage.

Single copy price: $72.00

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

BSR/EIA 364-24B-2009 (R202x), Maintenance Aging Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-24B -2009 (R2015))

This standard establishes a test method to assess the ability of a component to withstand stresses caused by repeated insertion and extraction of contacts during maintenance. This test procedure applies only to connector assemblies containing removable contacts and is to be used where a connector is to be stressed in the area of contact retention and conductor sealing.

Single copy price: $72.00

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

BSR/EIA 364-30A-2009 (R202x), Capacitance Test Procedure for Electrical Connectors and Sockets (reaffirmation of ANSI/EIA 364 -30A-2009 (R2015))

This procedure applies to electrical connectors and sockets.

Single copy price: $72.00

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

BSR/EIA 364-33A-2009 (R202x), Inductance Measurement Test Procedure for Electrical Connectors (100 nH-100 mH) (reaffirmation of ANSI/EIA 364-33A-2009 (R2015))

This procedure applies to connectors, mated pin-and-socket assemblies and individual contacts or printed-circuit-board (PCB) connector sockets.

Single copy price: $72.00

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

BSR/EIA 364-37C-2009 (R202x), Contact Engagement and Separation Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-37C-2009 (R2015))

This standard establishes test methods which, when required by the referencing document, shall be used for measuring the engagement and separation forces on contacts.

Single copy price: $78.00

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

BSR/EIA 364-40B-2009 (R202x), Crush Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-40B-2009 (R2015))

This standard establishes a test method to determine the ability of a connector to withstand a load such as might be encountered when run over by a wheeled vehicle. This test should only be performed on connectors designed to meet the requirements.

Single copy price: $72.00

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

BSR/EIA 364-44A-2009 (R202x), Corona Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-44A-2009 (R2015))

The object of this test is to detail a standard test method to determine the ability of an electrical connector to operate with an acceptable level of partial discharge at working voltages up to the extinction voltage.

Single copy price: $76.00

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

BSR/EIA 364-71C-2008 (R202x), Solder Wicking (Wave Solder Technique) for Electrical Connectors and Sockets (reaffirmation of ANSI/EIA 364-71C-2008 (R2014))

This standard applies to connectors and sockets that are mounted to printed wiring boards (PWB) employing through mount technology.

Single copy price: $76.00

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

BSR/EIA 364-92-1997 (R202x), Wire Bending Test Procedure for Insulation Displacement Contacts (IDC) for Electrical Connectors (reaffirmation of ANSI/EIA 364-92-1997 (R2014))

The object of this test procedure is to assess the ability of an insulation displacement connection to withstand the mechanical stress caused by bending the connected wire or ribbon cable in a specified manner.

Single copy price: $92.00

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

BSR/EIA 364-105B-2015 (R202x), Altitude - Low Temperature Test Procedure for Electrical Connectors and Sockets (reaffirmation of ANSI/EIA 364-105B-2015)

This standard establishes a test method to simulate actual service usage by inducing low temperatures, and apply the test voltage at simulated altitudes.

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

NECA (National Electrical Contractors Association)

Reaffirmation

BSR/NECA 600-2014 (R202x), Standard for Installing and Maintaining Medium-Voltage Cable (reaffirmation of ANSI/NECA 600-2014)

This standard describes installation procedures for shielded and non-shielded solid-dielectric medium-voltage cables rated from 600 volts to 69,000 volts AC and installed in conduits, ducts, or direct-buried. This publication applies to single- and multi-conductor cables used for distributing power for commercial, institutional, and industrial loads in nonhazardous locations both indoors and outdoors. It also covers periodic routine maintenance and troubleshooting procedures for medium-voltage cable, and special procedures used after adverse operating conditions such as short-circuit or ground-fault.

Single copy price: $25.00 (NECA members), $55.00 (nonmembers)

Obtain an electronic copy from: neis@necanet.org

Order from: Aga Golriz, (301) 215-4549, Aga.golriz@necanet.org

Send comments (with optional copy to psa@ansi.org) to: Same

NECA (National Electrical Contractors Association)

Revision

BSR/NECA 101-202x, Standard for Installing Steel Conduits (RMC, IMC, EMT) (revision of ANSI/NECA 101-2006 (R2013))

This standard describes installation procedures for steel rigid metal conduit (RMC), steel intermediate metal conduit (IMC), and steel electrical metallic tubing (EMT). Conduit with supplementary PVC coating is also included.

Single copy price: $25.00 (NECA members), $55.00 (nonmembers)

Obtain an electronic copy from: neis@necanet.org

Order from: Aga Golriz, (301) 215-4549, Aga.golriz@necanet.org

Send comments (with optional copy to psa@ansi.org) to: Same

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 1581-202x, Standard for Safety for Reference Standard for Electrical Wires, Cables, and Flexible Cords (revision of ANSI/UL 1581-2019)

Cable Flame Test, New 1061.2 and 1061.2.1; Revised 1061.1; Deleted 1061.1.1 - 1061.1.11 and Figures 1061.1 and 1061.2

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

BSR/UL 8139-202x, Standard for Safety for Electrical Systems of Electronic Cigarettes (revision of ANSI/UL 8139-2018)

Proposed: Clarification to Section 7.2, exception applies to flammability and mechanical RTI; clarification to Section 8.2, electrochemical corrosion; add exception to Section 9.2 to address inadvertent shorting; clarification to Section 10.4 to indicate a charging interface needs to be tested; clarifications to Table 17.1; correction of temperature Section 22.4; Section 29.6, clarifying the determination of voltage difference for the drop test; Section 17.4, removal of potentiometers from temperature measuring; addition of an alternative specification for cheesecloth; allowing more appropriate discharge test parameters for greater relevance to device parameters; clarification that single fault conditions do not apply to overload test; clarifications to Table 26.2; clarification to Section 26, temperature testing; correction to venting test procedures; addition of performance-based marking durability test; and clarification to markings and warnings.

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

X12 (X12 Incorporated)

Revision

BSR X12.EDI 008000-202x, Standards for Electronic Data Interchange (revision, redesignation and consolidation of ANSI X12.1-2008 (R2013), ANSI X12.3-2008 (R2013), ANSI X12.5-2004 (R2013), ANSI X12.6-2004 (R2013), ANSI X12.22-2008 (R2013), ANSI X12.56-2004 (R2013), ANSI X12.58-2004 (R2013), and ANSI X12.59-2004 (R2013))

This American National Standard revises what has been a compilation of separate interrelated standards. The separate standards in the compilation are X12.1, X12.3, X12.5, X12.6, X12.22, X12.56, X12.58, and X12.59 which will now become X12.EDI.This is the first version of X12.EDI, but it is designated as 008000 to continue the naming convention of the compilation. It is expected to be finalized in 2020 to become X12.EDI 008000-2020.

Single copy price: Available free for X12 members/$180.00 (Nonmembers)

Obtain an electronic copy from: http:l/store.x12.org/008000

Send comments (with optional copy to psa@ansi.org) to: support@x12.org

Comment Deadline: December 24, 2019

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

ASME (American Society of Mechanical Engineers)

Revision

BSR/ASME B107.17-202x, Gages and Mandrels for Wrench Openings (revision of ANSI/ASME B107.17-2015)

This Standard establishes final inspection gage sizes and test mandrel sizes for wrench openings and spark-plug wrench openings for inch and metric sizes.

Single copy price: Free

Obtain an electronic copy from: http://cstools.asme.org/publicreview

Order from: Terrell Henry, ASME; ansibox@asme.org

Send comments (with optional copy to psa@ansi.org) to: Daniel Papert, (212) 591-7526, papertd@asme.org

UL (Underwriters Laboratories, Inc.)

New National Adoption

BSR/UL 60335-2-68-202x, Standard for Safety for Household and Similar Electrical Appliances (national adoption with modifications of IEC 60335-2-68)

This proposal for UL 60335-2-68 covers: This International Standard deals with the safety of electrical portable, non-self-propelled motor operated spray extraction machines with or without attachments and with or without electrical heating elements, intended for commercial indoor use. They are not equipped with traction drive. They include mains up to a rated voltage of 250 V for single-phase appliances and 480 V for other appliances, batteries supplying 150 V or less; or combinations of them. It is also possible for covered products to be powered by double layer (ultra) capacitors or fuel cells. Additional requirements related to these power sources are not included in this standard. This standard applies to machines in which the pressure of the employed cleaning agent does not exceed 2,5 MPa, and in which the product of the pressure (in MPa) and the flow of cleaning agent (in litres per minute) does not exceed 100, and in which the temperature of the cleaning agent at the spray nozzle outlet does not exceed 85°C. This standard does not apply to vacuum cleaners and water-suction cleaning appliances for household use, floor treatment machines for commercial use, wet and dry vacuum cleaners, including power brush, for commercial use, hand-held and transportable motor-operated electric tools, machines designed for use in corrosive or explosive environments, machines designed for picking up hazardous dusts, or machines designed to handle hazardous solvents, such as flammable or explosive liquids.

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, Inc.)

Revision

BSR/UL 852-202x, Standard for Metallic Sprinkler Pipe For Fire Protection Service (revision of ANSI/UL 852-2018)

UL proposes a new edition of UL 852.

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

Project Withdrawn

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:

CTA (Consumer Technology Association)

BSR/CTA 2078.1-202x, Inclusive model simulations of hearing loss for device development and performance assessment (new standard)

Inquiries may be directed to Veronica Lancaster, (703) 907-7697, vlancaster@cta.tech

BSR/CTA 2078-202x, Inclusive model simulations of biometric conditions for device development and performance assessment, General Overview (new standard)

Inquiries may be directed to Veronica Lancaster, (703) 907-7697, vlancaster@cta.tech

Corrections

Incorrect Scope

BSR/UL 325-201x

This is a correction to the October 18, 2019 Standards Action call for comment notice of BSR/UL 325-201x, Standard for Safety for Door, Drapery, Gate, Louver, and Window Operators and Systems. The scope of this public review proposal covers the following items:

1. Clarification of Section 34
2. Alternate Leakage Current Measurement Method using UL 101
3. Additional Warning Placards for Horizontally Moving Commercial Door Operators
4. Tubular Drive Markings - Requirement for Location of Markings
5. Proposed Change to 60.8.4 b) Regarding Pedestrian Access

Incorrect Comment Deadline Date

BSR/NASBLA 102-201x

In the September 6, 2019 Standards Action the wrong comment deadline date was listed for:
BSR/NASBLA 102-201x, Basic Boating Knowledge - Plus Sailing (revision of ANSI/NASBLA 102-2017)

The correct Comment Deadline is December 5, 2019
Obtain an electronic copy from: https://esp.nasbla.org/esp/
Send comments (with optional copy to psa@ansi.org) to: https://esp.nasbla.org/esp/

Corrections

Incorrect URL for Public Review Comments

30-Day Review Standards

October 4, 2019 Issue

The October 4, 2019 Standards Action Call for Comment section provided an incorrect URL for submitting public review comments for these proposed American National Standards:

BSR/RVIA LV-202x, Standard for Low Voltage Systems in Conversion and Recreational Vehicles

The correct URL for submitting comments is as follows:

Send comments (with optional copy to psa@ansi.org) to: Kent Perkins, kperkins@rvia.org or RVIA, 1896 Preston White Drive, Reston, VA 20191

BSR/NSF 49-201x (i148r1), Biosafety Cabinetry - Design, Construction, Performance, and Field Certification

The correct URL for submitting comments is as follows:

Send comments (with optional copy to psa@ansi.org) to: arose@nsf.org

October 11, 2019 Issue

The October 11, 2019 Standards Action Call for Comment section provided an incorrect URL for submitting public review comments for these proposed American National Standards:

BSR/TIA 568.1-E-202x, Commercial Building Telecommunications Cabling Standard
BSR/TIA 568.0-E-202x, Generic Telecommunications Cabling for Customer Premises

The correct URL for submitting comments is as follows:

Send comments (with optional copy to psa@ansi.org) to: standards@tiaonline.org

BSR/SAIA A92.20-201x, Design, Calculations, Safety Requirements and Test Methods for Mobile Elevating Work Platforms (MEWPs)
BSR/SAIA A92.22-201x, Safe Use of Mobile Elevating Work Platforms (MEWPs)

The correct URL for submitting comments is as follows:

Send comments (with optional copy to psa@ansi.org) to: deanna@saiaonline.org

BSR/NSF 49-201x (i136r1), Biosafety Cabinetry - Design, Construction, Performance, and Field Certification
BSR/NSF 49-201x (i138r1), Biosafety Cabinetry - Design, Construction, Performance, and Field Certification

The correct URL for submitting comments is as follows:

Send comments (with optional copy to psa@ansi.org) to: arose@nsf.org

BSR/NSF 14-201x (i105r1), Plastics Piping System Components and Related Materials

The correct URL for submitting comments is as follows:

Send comments (with optional copy to psa@ansi.org) to: jsnider@nsf.org

October 18, 2019 Issue

The October 18, 2019 Standards Action Call-for-Comment section provided an incorrect URL for submitting public review comments for these ASHRAE Addenda:

BSR/ASHRAE/ICC/USGBC/IES Addendum an to ANSI/ASHRAE/USGBC/IES Standard 189.1-2014, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings
BSR/ASRHAE/ICC/USGBC/IES Addendum ac to ANSI/ASRHAE/ICC/USGBC/IES Standard 189.1-201x, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings
BSR/ASHRAE Standard 84-202x, Method of Testing Air-to-Air Heat/Energy Exchangers

The correct URL for submitting comments is as follows:

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

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.

BHMA (Builders Hardware Manufacturers Association)

Office: 355 Lexington Avenue, 15th Floor
15th Floor
New York, NY 10017-6603
Contact: Michael Tierney
Phone: (860) 944-4264
E-mail: mtierney@kellencompany.com

BSR/BHMA A156.19-202x, Power-Assist and Low-Energy Power-Operated Swinging Doors (revision of ANSI/BHMA A156.19-2013)

BSR/BHMA A156.38-202x, Low-Energy Power-Operated Sliding and Folding Doors (revision of ANSI/BHMA A156.38-2014)

ECIA (Electronic Components Industry Association)

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

BSR/EIA 364-16A-2009 (R202x), Stripping Force Test (Solderless Wrapped Connectors) Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-16A-2009 (R2015))

BSR/EIA 364-19A-2008 (R202x), Torsional Insert Retention Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364 -19A-2008 (R2015))

BSR/EIA 364-24B-2009 (R202x), Maintenance Aging Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-24B-2009 (R2015))

BSR/EIA 364-30A-2009 (R202x), Capacitance Test Procedure for Electrical Connectors and Sockets (reaffirmation of ANSI/EIA 364 -30A-2009 (R2015))

BSR/EIA 364-33A-2009 (R202x), Inductance Measurement Test Procedure for Electrical Connectors (100 nH-100 mH) (reaffirmation of ANSI/EIA 364-33A-2009 (R2015))

BSR/EIA 364-37C-2009 (R202x), Contact Engagement and Separation Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-37C-2009 (R2015))

BSR/EIA 364-40B-2009 (R202x), Crush Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-40B-2009 (R2015))

BSR/EIA 364-44A-2009 (R202x), Corona Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-44A-2009 (R2015))

BSR/EIA 364-71C-2008 (R202x), Solder Wicking (Wave Solder Technique) for Electrical Connectors and Sockets (reaffirmation of ANSI/EIA 364-71C-2008 (R2014))

BSR/EIA 364-92-1997 (R202x), Wire Bending Test Procedure for Insulation Displacement Contacts (IDC) for Electrical Connectors (reaffirmation of ANSI/EIA 364-92-1997 (R2014))

BSR/EIA 364-105B-2015 (R202x), Altitude - Low Temperature Test Procedure for Electrical Connectors and Sockets (reaffirmation of ANSI/EIA 364-105B-2015)

NECA (National Electrical Contractors Association)

Office: 3 Bethesda Metro Center
Suite 1100
Bethesda, MD 20814
Contact: Aga Golriz
Phone: (301) 215-4549
E-mail: Aga.golriz@necanet.org

BSR/NECA 101-202x, Standard for Installing Steel Conduits (RMC, IMC, EMT) (revision of ANSI/NECA 101-2006 (R2013))

BSR/NECA 600-2014 (R202x), Standard for Installing and Maintaining Medium-Voltage Cable (reaffirmation of ANSI/NECA 600-2014)

NSF (NSF International)

Office: 789 N. Dixboro Road
Ann Arbor, MI 48105-9723
Contact: Jason Snider
Phone: (734) 418-6660
E-mail: jsnider@nsf.org

BSR/NSF 14-202x (i104r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2018)

UL (Underwriters Laboratories, Inc.)

Office: 47173 Benicia Street
Fremont, CA 94538
Contact: Linda Phinney
Phone: (510) 319-4297
E-mail: Linda.L.Phinney@ul.org

BSR/UL 1581-202x, Standard for Safety for Reference Standard for Electrical Wires, Cables, and Flexible Cords (revision of ANSI/UL 1581-2019)

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.

AAMI (Association for the Advancement of Medical Instrumentation)

Reaffirmation

ANSI/AAMI/ISO 13485 (Ed.3)-2016 (R2019), Medical devices - Quality management systems - Requirements for regulatory purposes (reaffirmation of ANSI/AAMI/ISO 13485 (Ed.3)-2016): 10/17/2019

APCO (Association of Public-Safety Communications Officials-International)

New Standard

ANSI/APCO 1.117.1-2019, Public Safety Communications Center Key Performance Indicators (new standard): 10/17/2019

Revision

ANSI/APCO 2.103.2-2019, Public Safety Communications Common Incident Types for Data Exchange (revision and redesignation of ANSI/APCO 2.103.1-2012): 10/18/2019

ASABE (American Society of Agricultural and Biological Engineers)

New National Adoption

ANSI/ASABE/ISO 20383-2019 MONYEAR, Tractors and machinery for agriculture and forestry - Speed Identification Sign (SIS) (identical national adoption of ISO 20383:2017 and revision of ANSI/ASAE S584.3-2013 (R2017)): 10/16/2019

ASME (American Society of Mechanical Engineers)

Revision

ANSI/ASME B46.1-2019, Surface Texture, Surface Roughness, Waviness and Lay (revision of ANSI/ASME B46.1-2009): 10/22/2019

AWS (American Welding Society)

New Standard

ANSI/AWS A3.0M/A3.0-2019, Standard Terms and Definitions Including Terms for Adhesive Bonding, Brazing, Soldering, Thermal Cutting, and Thermal Spraying (new standard): 10/22/2019

CSA (CSA America Standards Inc.)

New Standard

ANSI/CSA C22.2 No. 184.2-2019, Solid-state controls for lighting systems (SSCLS) (new standard): 10/22/2019

ECIA (Electronic Components Industry Association)

Revision

ANSI/EIA 364-10H-2019, Fluid Immersion Test Procedure for Electrical Connectors (revision and redesignation of ANSI/EIA 364-10G-2017): 10/17/2019

ANSI/EIA 364-51B-2019, Ice Resistance of Mated Connectors (revision and redesignation of ANSI/EIA 364-51A-2002 (R2016)): 10/18/2019

EOS/ESD (ESD Association, Inc.)

Revision

ANSI/ESD STM12.1-2019, ESD Association Standard Test Method for the Protection of Electrostatic Discharge Susceptible Items - Seating - Resistance Measurement (revision of ANSI/ESD STM12.1-2014): 10/17/2019

ITI (INCITS) (InterNational Committee for Information Technology Standards)

New National Adoption

INCITS/ISO/IEC 11770-6:2016 [2019], Information technology - Security techniques - Key management - Part 6: Key derivation (identical national adoption of ISO/IEC 11770-6:2016): 10/22/2019

INCITS/ISO/IEC 18370-1:2016 [2019], Information technology - Security techniques - Blind digital signatures - Part 1: General (identical national adoption of ISO/IEC 18370-1:2016): 10/22/2019

NECA (National Electrical Contractors Association)

Revision

ANSI/NECA 413-2019, Standard for Installing and Maintaining Electric Vehicle Supply Equipment (EVSE) (revision of ANSI/NECA 413-2012): 10/22/2019

NSF (NSF International)

Revision

ANSI/NSF 7-2019 (i21r2), Commercial Refrigerators and Freezers (revision of ANSI/NSF 7-2016): 10/17/2019

ANSI/NSF 7-2019 (i22r1), Commercial Refrigerators and Freezers (revision of ANSI/NSF 7-2016): 10/18/2019

ANSI/NSF 14-2019 (i101r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2018): 10/18/2019

ANSI/NSF 49-2019 (i140r1), Biosafety Cabinetry - Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2018): 10/21/2019

UL (Underwriters Laboratories, Inc.)

New National Adoption

ANSI/UL 60691-2019, Standard for Thermal-Links - Requirements and Application Guide (identical national adoption of IEC 60691 and revision of ANSI/UL 60691-2016): 10/18/2019

Reaffirmation

ANSI/UL 1090-2016 (R2019), Standard for Safety for Electric Snow Movers (reaffirmation of ANSI/UL 1090-2016): 10/18/2019

Revision

ANSI/UL 13-2019, Standard for Power-Limited Circuits Cables (revision of ANSI/UL 13-2018): 10/8/2019

ANSI/UL 136-2019, Standard for Safety for Pressure Cookers (revision of ANSI/UL 136-2010 (R2015)): 10/22/2019

ANSI/UL 827-2019b, Standard for Safety for Central-Station Alarm Services (revision of ANSI/UL 827-2019): 10/18/2019

ANSI/UL 1247-2019, Standard for Diesel Engines for Driving Stationary Fire Pumps (revision of ANSI/UL 1247-2014): 10/17/2019

ANSI/UL 1981-2019, Standard for Safety for Central-Station Automation Systems (revision of ANSI/UL 1981-2014): 10/18/2019

ANSI/UL 2127-2019, Standard for Inert Gas Clean Agent Extinguishing System Units (revision of ANSI/UL 2127-2018): 10/21/2019

ANSI/UL 2166-2019, Standard for Halocarbon Clean Agent Extinguishing System Units (revision of ANSI/UL 2166-2017): 10/21/2019

ANSI/UL 2238-2019, Standard for Cable Assemblies and Fittings for Industrial Control and Signal Distribution (revision of ANSI/UL 2238-2018): 10/15/2019

ANSI/UL 62841-3-4-2019, Standard for Safety for Electric Motor-Operated Hand-Held Tools, Transportable Tools And Lawn And Garden Machinery - Safety - Part 3-4: Particular Requirements for Transportable Bench Grinders (revision of ANSI/UL 62841-3-4-2018): 10/18/2019

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.

AAFS (American Academy of Forensic Sciences)

Contact: Teresa Ambrosius, (719) 453-1036, tambrosius@aafs.org
410 North 21st Street, Colorado Springs, CO 80904

New Standard

BSR/AAFS ASB Std 138-202x, Wildlife Forensics Method - Collection of Known Samples from Live Animals (Domestic) (new standard)

Stakeholders: Forensic practitioners collecting samples from domestic animals.

Project Need: In the field of wildlife forensics, it is often necessary to collect known evidence samples from live domestic animals for forensic analyses. This document addresses the need for a uniform method to collect samples from live domestic animals in order to obtain forensically useful samples.

This standard provides the protocol for obtaining genetic known evidence samples (i.e., buccal swabs and pulled hair) for the purpose of individual matching or parentage comparison from live domestic animals such as dogs, cats, or livestock. This standard does not address sampling of non-domesticated animals.

APCO (Association of Public-Safety Communications Officials-International)

Contact: Stacy Banker, (920) 579-1153, apcostandards@apcointl.org
351 N. Williamson Boulevard, Daytona Beach, FL 32114

New Standard

BSR/APCO 1.121.1-202x, Managing Operational Overload in the Public Safety Communications Center (new standard)

Stakeholders: Public Safety Communications users, producers, and general interest.

Project Need: In today’s environment, public safety communications centers regularly experience situations where workload overwhelms available personnel. Centers must still manage all incoming requests in a timely manner to maintain the safety of their public safety personnel and provide assistance to their citizens with public safety needs.

This standard will provide communications center management with best practices for planning, mitigating, and handling operational overload. Common situations include, but are not limited to: severe weather-related incidents (tornado, hurricane, flooding), natural or man-made disaster, mutual aid incidents, as well as day-to-day overload incidents.

Revision

BSR/APCO 1.101.4-202x, Standard for Public Safety Telecommunicators When Responding to Calls of Missing, Abducted and Sexually Exploited Children (revision and redesignation of ANSI/APCO 1.101.3-2015)

Stakeholders: Users, producers, and general interest in public safety communications.

Project Need: To update the uniform procedures that provide Public Safety Telecommunicators guidance for intake and management of information during missing, abducted, and sexually exploited child incidents. The best-practice policy parameters and recommended call intake protocols are essential to the PST's ability to swiftly and effectively process these incidents in support of safe recovery of the victim(s).

This standard is a reference specifically for public safety telecommunicators to present the missing, abducted and/or sexually exploited child response process in a logical progression from the first response (initial call intake and information entry) through ongoing incident and case support (data query, entry, and management in support of field/investigative work).

NFPA (National Fire Protection Association)

Contact: Dawn Michele Bellis, (617) 984-7246, dbellis@nfpa.org
One Batterymarch Park, Quincy, MA 02169

New Standard

BSR/NFPA 855-202x, Standard for the Installation of Stationary Energy Storage Systems (new standard)

Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authority, insurance, consumers, special experts, and research and testing.

Project Need: Public interest and need.

This standard establishes criteria for minimizing the hazards associated with energy storage systems (ESS).

Revision

BSR/NFPA 2-202x, Hydrogen Technologies Code (revision of ANSI/NFPA 2-2019)

Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authority, insurance, consumers, special experts, and research and testing.

Project Need: Public interest and need.

The purpose of this code shall be to provide fundamental safeguards for the generation, installation, storage, piping, use, and handling of hydrogen in compressed gas (GH2) form or cryogenic liquid (LH2) form. This code shall apply to the production, storage, transfer, and use of hydrogen in all occupancies.

BSR/NFPA 55-202x, Compressed Gasses and Cryogenic Fluids Code (revision of ANSI/NFPA 55-2020)

Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authority, insurance, consumers, special experts, and research and testing.

Project Need: Public interest and need.

This code shall apply to the installation, storage, use, and handling of compressed gases and cryogenic fluids in portable and stationary cylinders, containers, equipment, and tanks in all occupancies.

BSR/NFPA 78-202x, Guide on Electrical Inspections (revision of ANSI/NFPA 78-2019)

Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authority, insurance, consumers, special experts, and research and testing.

Project Need: Public interest and need.

This document covers minimum criteria to aid in organizing and conducting electrical inspections, which includes administration, plans review, and field inspection, for new electrical installations and modifications to existing electrical installations in conformance with the AHJ requirements.

BSR/NFPA 130-202x, Standard for Fixed Guideway Transit and Passenger Rail Systems (revision of ANSI/NFPA 130-2017)

Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authority, insurance, consumers, special experts, and research and testing.

Project Need: Public interest and need.

This standard shall cover life safety from fire and fire protection requirements for fixed guideway transit and passenger rail systems, including, but not limited to, stations, trainways, emergency ventilation systems, vehicles, emergency procedures, communications, and control systems. Fixed guideway transit and passenger rail stations shall pertain to stations accommodating only passengers and employees of the fixed guideway transit and passenger rail systems and incidental occupancies in the stations. This standard establishes minimum requirements for each of the identified subsystems.

BSR/NFPA 470-202x, Hazardous Materials Standards for Responders (revision, redesignation and consolidation of ANSI/NFPA 1072-2017, ANSI/NFPA 472-2018, ANSI/NFPA 473-2018)

Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authority, insurance, consumers, special experts, and research and testing.

Project Need: Public interest and need.

This standard provides minimum requirements for personnel responding to incidents involving hazardous materials and weapons of mass destruction (WMD).

BSR/NFPA 502-202x, Standard for Road Tunnels, Bridges, and Other Limited Access Highways (revision of ANSI/NFPA 502-2017)

Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authority, insurance, consumers, special experts, and research and testing.

Project Need: Public interest and need.

This standard provides fire protection and fire life safety requirements for limited access highways, road tunnels, bridges, elevated highways, depressed highways, and roadways that are located beneath air-right structures. This standard establishes minimum requirements for each of the identified facilities.

BSR/NFPA 557-202x, Standard for Determination of Fire Loads for Use in Structural Fire Protection Design (revision of ANSI/NFPA 557-2020)

Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authority, insurance, consumers, special experts, and research and testing.

Project Need: Public interest and need.

The scope of this standard is the determination of the fire load and fire load density to be used as the basis for the evaluation and design of the structural fire performance of a building. The determination of a design-basis fire is outside the scope of this standard. This document is not intended to address facilities for storage of hazardous materials.

BSR/NFPA 654-202x, Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids (revision of ANSI/NFPA 654-2017)

Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authority, insurance, consumers, special experts, and research and testing.

Project Need: Public interest and need.

This standard provides requirements for all phases of the manufacturing, processing, blending, conveying, repackaging, and handling of combustible particulate solids or hybrid mixtures, regardless of concentration or particle size, where the materials present a fire, a flash fire, or an explosion hazard. The owner/operator shall be responsible for implementing the requirements in this standard.

BSR/NFPA 780-202x, Standard for the Installation of Lightning Protection Systems (revision of ANSI/NFPA 780-2020)

Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authority, insurance, consumers, special experts, and research and testing.

Project Need: Public interest and need.

This document shall cover traditional lightning protection system installation requirements for the following: (1) Ordinary structures; (2) Miscellaneous structures and special occupancies; (3) Heavy-duty stacks; (4) Structures containing flammable vapors, flammable gases, or liquids that can give off flammable vapors; (5) Structures housing explosive materials; (6) Wind turbines; (7) Watercraft; (8) Airfield lighting circuits and (9) Solar arrays. This document shall address lightning protection of the structure but not the equipment or installation requirements for electric generating, transmission, and distribution systems, except as given in Chapter 9 and Chapter 12.

BSR/NFPA 1078-202x, Standard for Electrical Inspector Professional Qualifications (revision of ANSI/NFPA 1078-2019)

Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authority, insurance, consumers, special experts, and research and testing.

Project Need: Public interest and need.

This standard identifies the minimum job performance requirements (JPRs) for electrical inspectors.

BSR/NFPA 1082-202x, Standard for Facilities Fire and Life Safety Director Professional Qualifications (revision of ANSI/NFPA 1082 -2020)

Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authority, insurance, consumers, special experts, and research and testing.

Project Need: Public interest and need.

This standard identifies the minimum job performance requirements (JPRs) for Building Fire and Life Safety Directors.

BSR/NFPA 1140-202x, Standards for Wildland Firefighting (revision, redesignation and consolidation of ANSI/NFPA 1051-2019, ANSI/NFPA 1141-2017, ANSI/NFPA 1143-2018, ANSI/NFPA 1144-2018)

Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authority, insurance, consumers, special experts, and research and testing.

Project Need: Public interest and need.

This standard provides minimum requirements for wildland fire safety and the associated professional qualifications for wildland fire safety positions.

BSR/NFPA 1225-202x, Standards for Emergency Services Communications (revision, redesignation and consolidation of ANSI/NFPA 1061-2018, ANSI/NFPA 1221-2019)

Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authority, insurance, consumers, special experts, and research and testing.

Project Need: Public interest and need.

This standard identifies the minimum job performance requirements (JPRs) for Public Safety Telecommunications Personnel, and provides minimum requirements for the installation, maintenance, and use of emergency services communications systems.

BSR/NFPA 2500-202x, Standard for Operations and Training for Technical Search and Rescue Incidents and Life Safety Rope and Equipment for Emergency Services (revision, redesignation and consolidation of ANSI/NFPA 1670-2018, ANSI/NFPA 1983-2017, ANSI/NFPA 1858-2018)

Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authority, insurance, consumers, special experts, and research and testing.

Project Need: Public interest and need.

This standard provides minimum requirements for conducting operations at technical search and rescue incidents; for the design, performance, testing, and certification of life safety rope and equipment for emergency services; and for the selection, care, and maintenance of rope and associated equipment.

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-AGRSS (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 “Standards Activities,” click on “Public Review and Comment” and “American National Standards Maintained Under Continuous Maintenance.” This information is also available directly at www.ansi.org/publicreview

Alternatively, you may contact the Procedures & Standards Administration department (PSA) at psa@ansi.org or via fax at 212-840-2298. If you request that information be provided via E-mail, please include your E-mail address; if you request that information be provided via fax, please include your fax number. Thank you.

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) 647-2779
Web: www.aami.org

APA
APA - The Engineered Wood Association
7011 South 19th Street
Tacoma, WA 98466
Phone: (253) 620-7467
Web: www.apawood.org

APCO
Association of Public-Safety Communications Officials-International
351 N. Williamson Boulevard
Daytona Beach, FL 32114
Phone: (920) 579-1153
Web: www.apcoIntl.org

ASABE
American Society of Agricultural and Biological Engineers
2950 Niles Road
Saint Joseph, MI 49085
Phone: (269) 932-7009
Web: www.asabe.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

AWS
American Welding Society
8669 NW 36th Street
Suite 130
Doral, FL 33166
Phone: (305) 443-9353
Web: www.aws.org

BHMA
Builders Hardware Manufacturers Association
355 Lexington Avenue, 15th Floor
15th Floor
New York, NY 10017-6603
Phone: (860) 944-4264
Web: www.buildershardware.com

CSA
CSA America Standards Inc.
8501 E. Pleasant Valley Road
Cleveland, OH 44131
Phone: (216) 524-4990
Web: www.csagroup.org

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

EOS/ESD
ESD Association, Inc.
7900 Turin Rd., Bldg. 3
Rome, NY 13440
Phone: (315) 339-6937
Web: www.esda.org

ITI (INCITS)
InterNational Committee for Information Technology Standards
700 K Street NW
Suite 600
Washington, DC 20001
Phone: (202) 737-8888
Web: www.incits.org

NECA
National Electrical Contractors Association
3 Bethesda Metro Center
Suite 1100
Bethesda, MD 20814
Phone: (301) 215-4549
Web: www.neca-neis.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) 418-6660
Web: www.nsf.org

UL
Underwriters Laboratories, Inc.
12 Laboratory Dr.
Research Triangle Park, NC 27709
Phone: (919) 549-0954
Web: www.ul.com

X12
X12 Incorporated
24654 N. Lake Pleasant Pkwy.
Peoria, AZ 85383
Phone: (425) 562-2245
Web: www.x12.org

ExSC_096_2019

October 25, 2019 *ANSI Standards Action*

Proposed Revision to the *ANSI Essential Requirements*
(www.ansi.org/essentialrequirements)

The following proposed revision to section ***3.2 Commercial terms and conditions*** of the *ANSI Essential Requirements* (www.ansi.org/essentialrequirements) is a new proposal that replaces ExSC_033_2019, which was announced for public comment in March 2019.

This revision is intended to clarify what is and is not allowable within the context of commercial terms and conditions, within an American National Standard (ANS).

A clean copy of the new proposed revision is shown, followed by a strike-through-underline version based on the current text of the 2019 edition of the *ANSI Essential Requirements.*

Public comments received in connection with this proposed revision will be made available to the public, with attribution, in the ANSI Online public library within a reasonable time of the close of the public comment deadline. The ANSI Executive Standards Council (ExSC) will consider the comments received and provide a written response to commenters.

Public Comments are due to psa@ansi.org by November 25, 2019.

ExSC_096_2019
New version of proposed revision to 3.2
October 25, 2019 SA

3.2 Commercial terms and conditions

Except as otherwise permitted by these Essential Requirements, ANS shall not include terms or conditions that are primarily contractual or commercial in nature, as opposed to technical, engineering or scientific in nature. Thus, an ANS shall not include contractual requirements (3.2.1); require the use of, or endorse, brand-name or proprietary products or services (3.2.2); or require the use of, or endorse, particular conformity-assessment bodies, testing facilities or training organizations (3.2.3).

3.2.1 Contractual Requirements

Except as provided below, ANS shall not contain contractual requirements relating to particular products or services, including guarantees, warranties, reworks, indemnities, buybacks, and similar price-related terms and conditions of sale.

3.2.2 Endorsements of Products or Services

ANS shall not require the purchase or use of, or endorse, brand-name or proprietary products or service providers as a condition of implementing the standard. For example, an ANS may not require the purchase or use of, or endorse, brand-name tools or components, copyrighted user manuals, labels or licenses, manufacturer lists or service provider lists.

However, for informational purposes, where known sources exist for products or services necessary to comply with the ANS, it is permissible, but not obligatory, to identify the name and address of the sources in a footnote or an appendix, or reference to a website, as long as the referenced products or services are reasonably available from the referenced sources, the words "or the equivalent" are added to the reference, and a note is added to such reference stating expressly that the identified sources are not presented as endorsements.

3.2.3 Conformity Assessment, Testing and Training

In connection with ANS that relate to the determination of whether products or services conform to one or more standards, the process or criteria for determining conformity may be standardized as long as the description of the process or criteria is limited to technical, engineering or scientific concerns and does not include what would otherwise be contractual or commercial terms.

It is permissible for health, safety or environmental protection reasons to include a generic requirement for third-party, *i.e.,* independent, conformity assessment, testing or training. ANS shall not dictate the use or non-use of a particular conformity-assessment body, testing facility or training organization.

However, for informational purposes, where known sources exist for products or services necessary to determine compliance with the ANS, it is permissible, but not obligatory, to identify the name and address of the sources in a footnote or an appendix, or reference to a website, as long as the referenced products or services are reasonably available from the referenced sources, the words “or the equivalent” are added to the reference and a note is added to such reference stating expressly that the identified sources are not presented as endorsements.

Comparison of ExSC_096_2019 with 2019 base text

3.2 Commercial terms and conditions

~~*Provisions involving business relations between buyer and seller such*~~ Except as ~~*guarantees, warranties, and other commercial terms and conditions*~~ otherwise permitted by these Essential Requirements, ANS shall not ~~*be included in an American National Standard. The appearance that a standard endorses any particular products, services or companies must be avoided. Therefore, it generally is not acceptable to*~~ include terms or conditions that are primarily contractual or commercial in nature, as opposed to technical, engineering or scientific in nature. Thus, an ANS shall not include contractual requirements (3.2.1); require the use of, or endorse, brand-name or proprietary products or services (3.2.2); or require the use of, or endorse, particular conformity-assessment bodies, testing facilities or training organizations (3.2.3).

3.2.1 Contractual Requirements

Except as provided below, ANS shall not contain contractual requirements relating to particular products or services, including guarantees, warranties, reworks, indemnities, buybacks, and similar price-related terms and conditions of sale.

3.2.2 Endorsements of Products or Services

ANS shall not require the purchase or use of, or endorse, brand-name or proprietary products or service providers as a condition of implementing the standard. For example, an ANS may not require the purchase or use of, or endorse, brand-name tools or components, copyrighted user manuals, labels or licenses, manufacturer lists~~,~~ or service provider lists~~, or similar material in the text of a standard or in an annex (or the equivalent). Where a sole source exists~~.

However, for ~~essential equipment, materials~~informational purposes, where known sources exist for products or services necessary to comply with ~~or to determine compliance with~~ the ~~standard~~ANS, it is permissible, but not obligatory, to ~~supply~~identify the name and address of the ~~source~~sources in a footnote or ~~informative annex~~an appendix, or reference to a website, as long as the referenced products or services are reasonably available from the referenced sources, the words ~~“~~"or the equivalent~~”~~" are added to the reference~~.~~, and a note is added to such reference stating expressly that the identified sources are not presented as endorsements.

3.2.3 Conformity Assessment, Testing and Training

In connection with ~~standards~~ANS that relate to the determination of whether products or services conform to one or more standards, the process or criteria for determining conformity ~~can~~may be standardized as long as the description of the process or criteria is limited to technical ~~and~~, engineering or scientific concerns and does not include what would otherwise be ~~a~~contractual or commercial ~~term~~terms.

It is permissible for health, safety or environmental protection reasons to include a generic requirement for third-party, *i.e.,* independent, conformity assessment, testing or training. ANS shall not dictate the use or non-use of a particular conformity-assessment body, testing facility or training organization.

However, for informational purposes, where known sources exist for products or services necessary to determine compliance with the ANS, it is permissible, but not obligatory, to identify the name and address of the sources in a footnote or an appendix, or reference to a website, as long as the referenced products or services are reasonably available from the referenced sources, the words "or the equivalent" are added to the reference and a note is added to such reference stating expressly that the identified sources are not presented as endorsements.

ExSC_119_2019

October 25, 2019 *ANSI Standards Action*

Proposed Revision to the *Operating Procedures of the ANSI Executive Standards Council* (www.ansi.org/essentialrequirements)

The following proposed deletion of *Annex A* from the *Operating Procedures of the ANSI Executive Standards Council (ExSC)* removes text associated with an outdated process. By way of background, ANSI requires that all ANSI-Accredited Standards Developers (ASDs) be incorporated, registered or otherwise recognized as a legal entity. It is the legal entity that is accredited by ANSI and subject to ANSI's procedural compliance requirements. In addition, the term "ANSI-Accredited Standards Committee" and the acronym "ASC" is a holdover from years ago when ANSI's procedures recognized different "methods" of consensus development, prior to the elimination of such distinctions with the implementation in 2003 of the *ANSI Essential Requirements: Due process requirements for American National Standards*. While an ASD may still carry "ASC" in its designation, that acronym does not carry any special status.

Public comments received in connection with this proposed revision will be made available to the public, with attribution, in the ANSI Online public library within a reasonable time of the close of the public comment deadline. The ANSI Executive Standards Council (ExSC) will consider the comments received and provide a written response to commenters.

Public Comments are due to psa@ansi.org by November 25, 2019.

~~**Annex A**~~

~~Note: this text was previously contained in the 2002 edition of the *ANSI Procedures for the Development and Coordination of American National Standards*. It was not included in the *ANSI Essential Requirements: Due process requirements for American National Standards*, issued in 2003. The reason for its exclusion from the *ANSI Essential Requirements* is that ANSI no longer distinguishes among types of accreditations. This said, ANSI-accredited standards committees exist and the ANSI Executive Standards Council (ExSC) believes that it would be useful to make publicly available the following procedures that the ExSC will apply to the unique relationship between the secretariat and the consensus body that constitute an accredited standards committee. This text is revised as shown below in the 2012 edition.~~

~~**Annex A: Change in Secretariat-Consensus Body Relationship within an ANSI-Accredited Standards Committee (ASC)**~~

~~In the case of an ANSI-accredited standards committee, the secretariat and the consensus body shall jointly hold the accreditation. If a change in the entity that serves as the secretariat is sought~~

~~by both the consensus body and the secretariat and the new secretariat agrees to use the ASC's existing procedures, then the following shall apply:~~

~~(a) The secretariat shall prepare and circulate a ballot for consensus body approval of the new secretariat. and shall place an announcement via the Secretary of the ExSC regarding the proposed transfer of the responsibility to the new secretariat in Standards Action for a 30 day comment period.~~

~~(b) Upon closure of the ballot, a copy of the voting results shall be transmitted to the consensus body pursuant to the accredited procedures.~~

- ~~If a two-thirds affirmative vote of the total voting membership of the consensus body is not achieved, and the secretariat and/or the consensus body do not wish to continue their joint relationship, then the ExSC shall be so notified in writing. The accreditation of the ASC shall be withdrawn by the ExSC as a result in accordance with clause 4.1.4 of the ANSI *Essential Requirements*.~~
- ~~If a two-thirds affirmative vote of the total voting membership of the consensus body is achieved, then the following procedures shall apply.~~

~~c) A notice shall be sent to the Secretary of the ExSC notifying it of the consensus body approval of the change in secretariat, the reasons therefore, a copy of the voting results that indicate the consensus body's acceptance of the proposed change and a certification that the new secretariat shall operate in accordance with the currently accredited procedures.~~

~~d) The current secretariat of the consensus body also shall provide any public comments arising from the public review comment period and the disposition of said comments.~~

~~e) If comments are received, the ExSC shall consider the consensus body vote results, the reasons for the secretariat transfer, comments received during the public comment period with their disposition (where applicable), and the certification that the new secretariat shall operate in accordance with the currently accredited procedures. The ExSC then shall determine whether the above should warrant further actions prior to the transfer of secretariat. If no further actions are necessary, then an informative announcement confirming the change of secretariat shall be made in *Standards Action*.~~

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

FINE CERAMICS (TC 206)

ISO 22197-2:2019, Fine ceramics (advanced ceramics, advanced technical ceramics) - Test method for air-purification performance of semiconducting photocatalytic materials - Part 2: Removal of acetaldehyde, $103.00

ISO 22197-3:2019, Fine ceramics (advanced ceramics, advanced technical ceramics) - Test method for air-purification performance of semiconducting photocatalytic materials - Part 3: Removal of toluene, $68.00

INFORMATION AND DOCUMENTATION (TC 46)

ISO 20674-1:2019, Information and documentation - Transliteration of scripts in use in Thailand - Part 1: Transliteration of Akson-Thai-Noi, $103.00

OTHER

IWA 30-1:2019, Competence of standards professionals - Part 1: In companies, $162.00

IWA 30-2:2019, Competence of standards professionals - Part 2: In standards-related organizations, $185.00

PAINTS AND VARNISHES (TC 35)

ISO 13076:2019, Paints and varnishes - Lighting and procedure for visual assessments of coatings, $45.00

ISO 22553-1:2019, Paints and varnishes - Electro-deposition coatings - Part 1: Vocabulary, $45.00

ISO 22553-2:2019, Paints and varnishes - Electro-deposition coatings - Part 2: Throwing power, $103.00

ISO 22553-3:2019, Paints and varnishes - Electro-deposition coatings - Part 3: Compatibility of electro-deposition coating materials with a reference oil, $45.00

ISO 22553-4:2019, Paints and varnishes - Electro-deposition coatings - Part 4: Compatibility of electro-deposition coating materials with liquid, paste-like and solid foreign materials, $68.00

ISO 22553-5:2019, Paints and varnishes - Electro-deposition coatings - Part 5: Determination of sieve residue, $45.00

ISO 22553-6:2019, Paints and varnishes - Electro-deposition coatings - Part 6: Entry marks, $45.00

PERSONAL SAFETY - PROTECTIVE CLOTHING AND EQUIPMENT (TC 94)

ISO 16073-8:2019, Wildland firefighting personal protective equipment - Requirements and test methods - Part 8: Hearing, $45.00

SOLID MINERAL FUELS (TC 27)

ISO 21398:2019, Hard coal and coke - Guidance to the inspection of mechanical sampling systems, $138.00

TRANSFUSION, INFUSION AND INJECTION EQUIPMENT FOR MEDICAL USE (TC 76)

ISO 21881:2019, Sterile packaged ready for filling glass cartridges, $162.00

ISO 21882:2019, Sterile packaged ready for filling glass vials, $138.00

ISO Technical Specifications

GAS CYLINDERS (TC 58)

ISO/TS 19016:2019, Gas cylinders - Cylinders and tubes of composite construction - Modal acoustic emission (MAE) testing for periodic inspection and testing, $138.00

HEALTH INFORMATICS (TC 215)

ISO/TS 21526:2019, Health informatics - Metadata repository requirements (MetaRep), $185.00

INDUSTRIAL AUTOMATION SYSTEMS AND INTEGRATION (TC 184)

ISO/TS 15926-4:2019, Industrial automation systems and integration - Integration of life-cycle data for process plants including oil and gas production facilities - Part 4: Initial reference data, $68.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 23008-8/Amd1:2019, Information technology - High efficiency coding and media delivery in heterogeneous environments - Part 8: Conformance specification for HEVC - Amendment 1: Conformance testing for HEVC screen content coding (SCC) extensions and non-intra high throughput profiles, $19.00

ISO/IEC 24761:2019, Information technology - Security techniques - Authentication context for biometrics, $209.00

ISO/IEC 30146:2019, Information technology - Smart city ICT indicators, $103.00

ISO/IEC 15444-1:2019, Information technology - JPEG 2000 image coding system - Part 1: Core coding system, $232.00

ISO/IEC 23092-2:2019, Information technology - Genomic information representation - Part 2: Coding of genomic information, $232.00

ISO/IEC 15444-15:2019, Information technology - JPEG 2000 image coding system - Part 15: High-Throughput JPEG 2000, $209.00

IEC Standards

AUTOMATIC CONTROLS FOR HOUSEHOLD USE (TC 72)

IEC 60730-2-9 Ed. 4.0 b:2015, Automatic electrical controls - Part 2-9: Particular requirements for temperature sensing control, $352.00

ELECTROMECHANICAL COMPONENTS AND MECHANICAL STRUCTURES FOR ELECTRONIC EQUIPMENTS (TC 48)

IEC 61587-6 Ed. 1.0 b:2017, Mechanical structures for electrical and electronic equipment - Tests for IEC 60917 and IEC 60297 series - Part 6: Security aspects for indoor cabinets, $82.00

ENVIRONMENTAL STANDARDIZATION FOR ELECTRICAL AND ELECTRONIC PRODUCTS AND SYSTEMS (TC 111)

IEC 62430 Ed. 2.0 b:2019, Environmentally conscious design (ECD) - Principles, requirements and guidance, $235.00

NUCLEAR INSTRUMENTATION (TC 45)

IEC/IEEE 62582-6 Ed. 1.0 b:2019, Nuclear power plants - Instrumentation and control important to safety - Electrical equipment condition monitoring methods - Part 6: Insulation resistance, $164.00

IEC Technical Reports

ELECTROACOUSTICS (TC 29)

IEC/TR 62809 Ed. 2.0 en:2019, Summary of requirements and tests to products in the scope of IEC 60601-2-66, $117.00

POWER ELECTRONICS (TC 22)

IEC/TR 60146-1-2 Ed. 5.0 en:2019, Semiconductor converters - General requirements and line commutated converters - Part 1-2: Application guidelines, $375.00

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

IEC/TR 63216 Ed. 1.0 en:2019, Low-voltage switchgear and controlgear - Electromagnetic compatibility assessment for switchgear and controlgear and their assemblies, $235.00

IEC Technical Specifications

NUCLEAR INSTRUMENTATION (TC 45)

IEC/TS 63050 Ed. 1.0 en:2019, Radiation protection instrumentation - Dosemeters for pulsed fields of ionizing radiation, $164.00

ISO Technical Specifications

ELECTROACOUSTICS (TC 29)

S+ IEC/TR 62809 Ed. 2.0 en:2019 (Redline version), Summary of requirements and tests to products in the scope of IEC 60601-2-66, $152.00

POWER ELECTRONICS (TC 22)

S+ IEC/TR 60146-1-2 Ed. 5.0 en:2019 (Redline version), Semiconductor converters - General requirements and line commutated converters - Part 1-2: Application guidelines, $488.00

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 6926/DAmd1, Acoustics - Requirements for the performance and calibration of reference sound sources used for the determination of sound power levels - Amendment 1 - 11/9/2019, $29.00

AGRICULTURAL FOOD PRODUCTS (TC 34)

ISO/DIS 14501, Milk and milk powder - Determination of aflatoxin M1 content - Clean-up by immunoaffinity chromatography and determination by high-performance liquid chromatography - 1/5/2020, $58.00

ISO/DIS 23443, Infant formula and adult nutritionals - Determination of lutein, ?-carotene and lycopene by reversed phase ultra high performance liquid chromatography (RP-UHPLC) - 12/30/2019, $102.00

ISO/DIS 23942, Determination of hydroxytyrosol and tyrosol content in extra virgin olive oils - HPLC method - 1/10/2020, FREE

BIOTECHNOLOGY (TC 276)

ISO/DIS 20397-2, Biotechnology - General requirements for massively parallel sequencing - Part 2: Methods to evaluate the quality of sequencing data - 1/10/2020, $77.00

HUMAN RESOURCE MANAGEMENT (TC 260)

ISO/DIS 10667-1, Assessment service delivery - Procedures and methods to assess people in work and organizational settings - Part 1: Requirements for the client - 1/6/2020, $82.00

ISO/DIS 10667-2, Assessment service delivery - Procedures and methods to assess people in work and organizational settings - Part 2: Requirements for service providers - 1/6/2020, $88.00

MICROBEAM ANALYSIS (TC 202)

ISO/DIS 15632, Microbeam analysis - Selected instrumental performance parameters for the specification and checking of energy-dispersive X-ray spectrometers for use in electron probe microscope or an electron probe microanalyser (EPMA) - 1/5/2020, FREE

NUCLEAR ENERGY (TC 85)

ISO/ASTM DIS 51818, Practice for dosimetry in an electron beam facility for radiation processing at energies between 80 and 300 keV - 1/10/2020, $62.00

PHOTOGRAPHY (TC 42)

ISO 12232/DAmd1, Photography - Digital still cameras - Determination of exposure index, ISO speed ratings, standard output sensitivity, and recommended exposure index - Amendment 1: Annex E - Determination of encoding-relative sensitivity (ERS) - 1/6/2020, $29.00

ISO 19093/DAmd1, Photography - Digital cameras - Measuring low-light performance - Amendment 1: Chroma decrease calculation - 1/6/2020, FREE

ROBOTS AND ROBOTIC DEVICES (TC 299)

ISO/DIS 11593, Robots for industrial environments - Automatic end effector exchange systems - Vocabulary and presentation of characteristics - 1/10/2020, FREE

SAFETY OF TOYS (TC 181)

ISO 8124-7/DAmd1, Safety of toys - Part 7: Requirements and test methods for finger paints - Amendment 1 - 1/10/2020, $29.00

TERMINOLOGY (PRINCIPLES AND COORDINATION) (TC 37)

ISO/DIS 21998, Healthcare interpreting - Requirements and recommendations - 1/5/2020, $77.00

THERMAL INSULATION (TC 163)

ISO/DIS 22097, Thermal insulation for buildings - Reflective insulation products - Determination of thermal performance - 1/6/2020, $98.00

TIMBER (TC 218)

ISO/DIS 8965, Logging industry - Technology - Vocabulary - 1/5/2020, FREE

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

ISO/DIS 22738, Intelligent transport systems - Localized communications - Optical camera communication - 1/10/2020, FREE

ISO/DIS 13143-1, Electronic fee collection - Evaluation of on-board and roadside equipment for conformity to ISO 12813 - Part 1: Test suite structure and test purposes - 1/2/2020, $146.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 14496-22/DAmd1, Information technology - Coding of audio-visual objects - Part 22: Open Font Format - Amendment 1: Color font technology and other updates - 11/8/2019, $82.00

ISO/IEC DIS 24711, Information Technology - Office Equipment - Method for the determination of ink cartridge yield for colour inkjet printers and multi-function devices that contain printer components - 1/5/2020, $93.00

ISO/IEC DIS 19763-3, Information technology - Metamodel framework for interoperability (MFI) - Part 3: Metamodel for ontology registration - 1/9/2020, $112.00

IEC Standards

4/378/NP, PNW 4-378: Mechanical vibration - Measurement and evaluation of machine vibration - Part 5: Machine sets in hydraulic power generating and pump-storage plants, /2019/11/1

21A/715/FDIS, IEC 63057 ED1: Secondary cells and batteries containing alkaline or other non-acid electrolytes - Safety requirements for secondary lithium batteries for use in road vehicles not for the propulsion, /2019/11/2

21A/716/FDIS, IEC 63115-1 ED1: Secondary cells and batteries containing alkaline or other non-acid electrolytes - Sealed nickel-metal hydride cells and batteries for use in industrial applications - Part 1: Performance, /2019/11/2

23/878/CD, IEC 63044-5-1/AMD1 ED1: Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) - Part 5-1: EMC requirements, conditions and test set-up, 2020/1/10

23/879/CD, IEC 63044-5-2/AMD1 ED1: Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) - Part 5-2: EMC requirements for HBES/BACS used in residential, commercial and light-industrial environments, 2020/1/10

23/877/CD, IEC 63044-3/AMD1 ED1: Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) - Part 3: Electrical safety requirements, 2020/1/10

23/880/CD, IEC 63044-5-3/AMD1 ED1: Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) - Part 5-3: EMC requirements for HBES/BACS used in industrial environments, 2020/1/10

29/1039/CD, IEC 60118-0 ED4: Electroacoustics - Hearing aids - Part 0: Measurement of the performance characteristics of hearing aids, 2020/1/10

34A/2163/CD, IEC 60809/FRAG1 ED4: Fragment 1 - Lamps for road vehicles - Dimensional, electrical and luminous requirements, /2019/12/1

45A/1290/CDV, IEC 61031 ED2: Nuclear facilities - Instrumentation and control systems - Design, location and application criteria for installed area gamma radiation dose rate monitoring equipment for use during normal operation and anticipated operational occurrences, 2020/1/10

45A/1291/CDV, IEC 63096 ED1: Nuclear power plants - Instrumentation, control and electrical power systems - Security controls, 2020/1/10

48B/2764/FDIS, IEC 63171-6 ED1: Connectors for electrical and electronic equipment - Part 6: Detail specification for 2-way and 4-way (data/power), shielded, free and fixed connectors for power and data transmission with frequencies up to 600 MHz, /2019/11/2

57/2157/DC, IEC TR 61850-90-18, Communication networks and systems for power utility automation - Part 90-18: Alarm handling in IEC 61850 based systems, /2019/11/2

57/2155/DC, Proposed revision of IEC 61850-7-7 ED1, Communication networks and systems for power utility automation - Part 7-7: Machine-processable format of IEC 61850-related data models for tools, /2019/11/2

62D/1724/FDIS, ISO 81060-2/AMD1 ED3: Amendment 1 - Non-invasive sphygmomanometers - Part 2: Clinical investigation of intermittent automated measurement type, /2019/11/2

76/645/FDIS, ISO 11553-1 ED2: Safety of machinery - Laser processing machines - Part 1: General safety requirements, /2019/11/2

77A/1042/CDV, IEC 61000-3-12/AMD1/FRAG1 ED2: Amendment 1/Fragment 1: Electromagnetic compatibility (EMC) - Part 3-12: Limits - Limits for harmonic currents produced by equipment connected to public low-voltage systems with input current >16 A and ≤ 75 A per phase, 2020/1/10

82/1631/CDV, IEC 61215-1-3 ED2: Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1-3: Special requirements for testing of thin-film amorphous silicon based photovoltaic (PV) modules, 2020/1/10

82/1626/CDV, IEC 63092-1 ED1: Photovoltaics in buildings - Part 1: Building integrated photovoltaic modules, 2020/1/10

82/1628/CDV, IEC 61215-1 ED2: Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1: Test requirements, 2020/1/10

82/1630/CDV, IEC 61215-1-2 ED2: Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1-2: Special requirements for testing of thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules, 2020/1/10

82/1633/CDV, IEC 61215-2 ED2: Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 2: Test procedures, 2020/1/10

82/1632/CDV, IEC 61215-1-4 ED2: Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1-4: Special requirements for testing of thin-film Cu(In,GA)(S,Se)2 based photovoltaic (PV) modules, 2020/1/10

82/1627/CDV, IEC 63092-2 ED1: Photovoltaics in buildings - Part 2: Building integrated photovoltaic systems, 2020/1/10

82/1629/CDV, IEC 61215-1-1 ED2: Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1-1: Special requirements for testing of crystalline silicon photovoltaic (PV) modules, 2020/1/10

86A/1966/CDV, IEC 60794-6-10 ED1: Optical Fibre Cables - Part 6 -10: Indoor-Outdoor cables - Family specification for a Universal Indoor-Outdoor cable, 2020/1/10

86A/1968/CDV, IEC 60794-6-30 ED1: Optical Fibre Cables - Part 6 -30: Indoor-Outdoor cables - Family specification for Weatherized Indoor cables, 2020/1/10

86A/1967/CDV, IEC 60794-6-20 ED1: Optical Fibre Cables - Part 6 -20: Indoor-Outdoor cables - Family specification for Flame Retardant Outdoor cables, 2020/1/10

86A/1965/CDV, IEC 60794-6 ED1: Optical Fibre Cables - Part 6: Indoor-Outdoor cables - Sectional specification for Indoor-Outdoor cables, 2020/1/10

100/3321/CD, IEC 60958-5 ED1: Digital audio interface - Part 5: Consumer application enhancement (TA 20), /2019/12/1

100/3322/CD, IEC 61937-1 ED3: Digital audio - Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 - Part 1: General (TA 20), /2019/12/1

112/467/CD, IEC 60216-5 ED4: Electrical insulating materials - Thermal endurance properties - Part 5: Determination of relative temperature index (RTI) of an insulating material, 2020/1/10

112/465/DTR, IEC TR 61858-3 ED1: Electrical insulation systems - Thermal evaluation of modifications to an established electrical insulation system (EIS) - Part 3: Clarification of EIM and auxiliary materials, /2019/12/1

121B/93A/NP, PNW TS 121B-93: General technical requirements for intelligent assemblies, /2019/12/2

JTC1-SC25/2914/CD, ISO/IEC 24383 ED1: Information technology - Physical network security for the accommodation of customer premises cabling infrastructure and information technology equipment, 2020/1/10

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.

ANSI Accredited Standards Developers

Approval of Reaccreditation

B11 Standards Inc.

ANSI's Executive Standards Council has approved the reaccreditation of B11 Standards Inc., an ANSI Member and Accredited Standards Developer, under its recently revised operating procedures for documenting consensus on B11 Standards Inc.-sponsored American National Standards, effective October 18, 2019. For additional information, please contact: Mr. David Felinski, President, B11 Standards Inc., P.O. Box 690905, Houston, TX 77269; phone: 832.446.6999; e-mail: dfelinski@b11standards.org.

International Organization for Standardization (ISO)

ISO Proposal for a New Field of ISO Technical Activity

Surfaces with Biocidal and Antimicrobial Properties

Comment Deadline: November 15, 2019

AFNOR, the ISO member body for France, has submitted to ISO a proposal for a new field of ISO technical activity on surfaces with biocidal and antimicrobial properties, with the following scope statement:

> Standardization of test methods used to assess the biocidal performance and efficacy of any surfaces with antimicrobial activities, including their compatibility with different families of disinfectants and cleaning agents. Such methods aim at evaluating the biocidal activity (i.e. that which irreversibly inactivates microorganism) and at differentiating it from the biostatic activity (i.e. the inhibition of the growth of microorganisms).
>
> The field of covers the assessment of surfaces displaying intrinsic biocidal properties and of surfaces processed by any means so as to deliver biocidal properties.
>
> Areas of interest include medical and veterinary applications, aerospace, agriculture, food hygiene and other industrial fields, institutional and domestic applications.
>
> Excluded: Toxicological and ecotoxicological surface testing methods, antimicrobial activities of textile products.

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, November 15, 2019.

U.S. Proposal for a New Field of ISO Technical Activity

Incentives, Rewards and Recognition

Comment Deadline: November 15, 2019

ANSI has received a request from the Incentive Federation Inc. to submit to ISO a proposal for a new field of ISO technical activity on Incentives, Rewards and Recognition, with the following scope statement:

> Standardization in the field of incentives, rewards, and recognition will include classification, terminology and nomenclature, management practices and metrics that comprise the development, delivery, assessment and control of third-party acknowledgement and motivation solutions. Covered subjects would include products and services from third party companies that develop incentives, rewards, and recognition program development, program management, training, measurement and analytics, supply chain management, financial management and other related functions where organizational management applies defined methods to acknowledge or motivate employee performance and productivity or to increase customer acquisition, satisfaction, retention and loyalty. Incentives, reward, and recognition systems for performance improvements in sales, safety, engagement, retention and other business functional environments are also within scope. Intrinsic incentives, rewards, and recognition, non-material and those unique to the organizational or national cultures are also in scope (i.e. verbal appreciation, physical acknowledgement between parties, gifts of local cultural significance, corporate gifting, rewards points, traditional achievement and service awards, certificates and trophies.) Out of scope are the normal compensation and benefits programs that organizations provide to remunerate employees for expected performance from client organizations, e.g. cash compensation, health benefits, etc.

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, November 15, 2019.

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/

INCITS Technical Committee on Digital Manufacturing Seeks Subject Matter Experts

INCITS/Digital Manufacturing represents the US in developing international standards supporting ISO/IEC JTC 1/WG12 on 3D Printing and Scanning. The scope of this work includes the development of standards specifically relevant to digitally enabling the prototyping and manufacturing of physical objects. This can include nomenclature, frameworks, interfaces, protocol specifications, and format specifications required for facilitating the digital control of the production and supply of physical objects. This includes additive and subtractive fabrication and automated assembly and distribution.

Presently, a primary workgroup focus is the development of a “Framework for Additive Manufacturing Service Platform” (AMSP). The platform will define a general functional architecture based on identified requirements and will identify typical AMSP work modes, leveraging use cases. This will provide guidance for both developers and users when constructing an AMSP or improving existing platforms to support printing and associated relevant services.

Other potential areas being examined include an Overview and Vocabulary for 3D printing and scanning and for 4D printing.

Members of this US technical committee have a unique opportunity to make their voices heard on the development of international standards for digital manufacturing and to collaborate with experienced peers, while serving the broad community of service organizations.

Membership also provides the opportunity for international leadership roles. Currently, one of the US experts is a co-editor for the international project on the Framework for Additive Manufacturing Service Platform (AMSP).

Virtual meetings are typically held monthly with one or two face-to-face meetings per year. Technical contributions and comments on draft standards by members are encouraged. All members are also eligible to attend the international meetings. To learn more about membership in INCITS/Digital Manufacturing, visit http://www.incits.org/participation/membership-info or contact Lynn Barra at lbarra@itic.org.

BSR/ASHRAE Addendum f
to ANSI/ASHRAE Standard 147-2013

Public Review Draft

Proposed Addendum f to Standard 147-2013, Reducing the Release of Halogenated Refrigerants from Refrigerating and Air-Conditioning Equipment and Systems

First Public Review (October 2019)
(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.

The appearance of any technical data or editorial material in this public review document does not constitute endorsement, warranty, or guaranty by ASHARE of any product, service, process, procedure, or design, and ASHRAE expressly disclaims such.

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

This addendum makes changes to Section 4.1 and updates the Normative References.

[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.]

Addendum f to 147-2013

Change Section 4.1 as shown below.

4.1 Safety. All equipment and systems shall be designed in accordance with a recognized national standard, such as ANSI/ASHRAE Standard 15, Safety Standard for Refrigeration Systems,[1] UL 1995, UL60335-2-40, Household And Similar Electrical Appliances - Safety - Part 2-40: Particular Requirements for Electrical Heat Pumps, Air-Conditioners and Dehumidifiers, and UL60335-2-89, Household and Similar Electrical Appliances - Safety - Part 2-89: Particular Requirements for Commercial Refrigerating Appliances with an Incorporated or Remote Refrigerant Unit or Compressor.

Update references as shown.

11. REFERENCES

1. ANSI/ASHRAE Standard 15-~~*2010*~~ *2019*, *Safety Standard for Refrigeration Systems*. 2010. ASHRAE, Atlanta, Ga.

2. UL 1995 (~~*3rd Edition, 2/18/05*~~ *5th Edition, 7/31/15*), *Heating and Cooling Equipment.* Underwriters Laboratories.

3. AHRI 580-~~*2009*~~ *2014, Performance Rating of Non-Condensable Gas Purge Equipment for Use with Low Pressure Centrifugal Liquid Chillers*. Air-Conditioning, Heating and Refrigeration Institute, Arlington, Va.

4. ASTM D642-~~*2000*~~ *2015, Standard Test Method for Determining Compressive Resistance of Shipping Containers, Components, and Unit Loads*. ASTM International, West Conshohocken, Pa.

5. ASTM D4577-~~*2005*~~ *2019*, *Standard Test Method for Compression Resistance of a Container Under Constant Load*. West Conshohocken, Pa.

6. ASTM D999-~~2008~~ ~~*(RA 2008)*~~ *(R 2015)*, Standard Test *Methods for Vibration Testing of Shipping Containers*. West Conshohocken, Pa.

7. ASTM D4728-~~2006~~*2017*, *Standard Test Method for Random Vibration Testing of Shipping Containers*. West Conshohocken, Pa.

8. ASTM D6055-1996 ~~(RA 2007)~~ *(R 2019) Standard Test Methods for Mechanical Handling of Unitized Loads and Large Shipping Cases and Crates*. West Conshohocken, Pa.

9. ASTM D6179-2007 *(R 2014)*, *Standard Test Methods for Rough Handling of Unitized Loads and Large Shipping Cases and Crates*. West Conshohocken, Pa.

10. ASTM D880-1992 ~~(RA 2008)~~ *(R 2015)*, *Standard Test Method for Impact Testing for Shipping Containers and Systems*. West Conshohocken, Pa.

11. ASTM D5276-~~1998 (RA 2009)~~ 2019, Standard Test Method for ~~Impact~~ Drop Test~~ing for Shipping Containers and Systems~~ of Loaded Containers by Free Fall. West Conshohocken, Pa.

12. U.S. Code of Federal Regulations, 40 CFR, Part 82, Subpart F. *Protection of Stratospheric Ozone.*

13. ANSI/ACCA 4QM-2019, *Maintenance of Residential HVAC Systems*.

14. ANSI/ASHRAE/ACCA Standard 180-~~2008~~ *2018*, *Standard Practice for Inspection and Maintenance of Commercial Building HVAC Systems*. ASHRAE, Atlanta, Ga.

15. ~~DOT 39, Department of Transportation,~~ *US Code of Federal Regulations*, 49 CFR, Part 178, Subpart C. *Specifications for Packagings.*

16. AHRI Guideline K-~~2009~~ *2015, Containers for Recovered Non-flammable Fluorocarbon Refrigerants*. Air-Conditioning, Heating, and Refrigeration Institute, Arlington, Va.

17. ANSI/ASHRAE Standard 34-~~2010~~ *2019, Designation and Safety Classification of Refrigerants*. ASHRAE, Atlanta, Ga.

18. UL60335-2-40, *Household and Similar Electrical Appliances - Safety - Part 2-40: Particular Requirements for Electrical Heat Pumps, Air-Conditioners and Dehumidifiers*, Underwriters Laboratories.

19. UL60335-2-89, *Household and Similar Electrical Appliances - Safety - Part 2-89: Particular Requirements for Commercial Refrigerating Appliances with an Incorporated or Remote Refrigerant Unit or Compressor*, Underwriters Laboratories.

BSR/ASHRAE/ASHE Addendum d
to ANSI/ASHRAE/ASHE Standard 170-2017

Public Review Draft

Proposed Addendum d to Standard 170-2017, Ventilation of Health Care Facilities

Second Public Review (September 2019)
(Draft Shows Proposed Independent Substantive Changes to Previous Public Review Draft)

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.

The appearance of any technical data or editorial material in this public review document does not constitute endorsement, warranty, or guaranty by ASHRAE of any product, service, process, procedure, or design, and ASHRAE expressly disclaims such.

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

This proposed addendum adds requirements and language similar to those required in Section 5 (Systems and Equipment) of ASHRAE Standard 62.1. Requirements include:

1. *Air intake separation distance table adapted for 170 requirements.*
2. *Outdoor air verification requirements while operating.*
3. *Measures to prevent vehicle combustion in parking garages from entering the building.*
4. *Air balancing requirements.*

[Note to Reviewers: This public review draft makes proposed independent substantive changes to the previous public review draft. 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 previous draft 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 substantive changes.]

Addendum d to 170-2017

Modify 6.3 Outdoor Air Intakes and Exhaust Discharges as shown below. The remainder of Section 6.3 is unchanged.

6.3.1 Outdoor Air Intakes

6.3.1.1 General. Outdoor air intakes for AHU shall be located such that the shortest distance from the intake to any specific potential outdoor contaminant source shall be equal to or greater than the separation distance listed in Table 6.3.1.1 and comply with all other requirements of this section. New facilities with moderate-to-high risk of natural or man-made extraordinary incidents shall locate air intakes away from public access. All intakes shall be designed to prevent the entrainment of wind-driven rain, shall contain features for draining away precipitation, and shall be equipped with a birdscreen of mesh no smaller than 0.5 in. (13 mm).

Exception 1 to 6.3.1.1: For gas fired, packaged rooftop units, the separation distance of the unit's outdoor air intake from its flue may be less than 25 ft (8 m). The separation distance shall be greater than or equal to the distance prescribed in ANSI/ASHRAE Standard 62.1, Section 5.5.1.2.

Exception 2 to 6.3.1.1: For plumbing vents terminating with stack-type air admittance valves installed less than 3 feet (1m) above the level of the outdoor air intake the minimum separation distance may be 10 feet (3 m). For plumbing vents terminating with stack-type air admittance valves installed at least 3 feet (1m) above the level of the outdoor air intake the minimum separation distance may be 3 feet (1 m).

Exception 3 to 6.3.1.1: If permitted by the AHJ based on an engineering analysis of reentrainment, separation distances may be decreased below table 6.3.1.1 values for cooling towers and exhaust and vent

discharges and an alternate location may be used. The submitted reentrainment analysis shall demonstrate that an exhaust discharge outlet located at a distance less than required by table 6.3.1.1 provides a lower concentration of reentrainment than all the areas located at a distance greater than required by table 6.3.1.1 on the roof level where the exhaust discharge is located.

(***Informative Note:*** e.g., located adjacent to an air intake but with the exhaust discharge point above the top of the air intake)

~~**6.3.1.1.1 Exhaust/Relief Outlets.** Separation criteria for required exhaust from Table 7.1, 8.1, or 9.1, Class 2, and Class 3 exhaust/relief outlets applies to the distance from the outdoor air intakes for one ventilation system to the exhaust outlets and relief outlets for any other ventilation system.~~

Table 6.3.1.1 Air Intake Minimum Separation Distance

~~Object~~ Potential Outdoor Contaminant Source	Minimum Distance, ft (m)
Class 2 air ~~exhaust~~/relief outlet	10 (3)
Required exhaust from ASHRAE 62.1 Table 6.5 or other codes	25 (7.5)
Required exhaust from Table 7.1, 8.1, or 9.1 or Class 3 air exhaust/relief outlet	25 (7.5)
Required exhaust from Section 6.3.2.2 or Class 4 air exhaust/relief outlet	30 (10)
Plumbing vents ~~terminating less than 3 ft (1 m) above the level of the outdoor air intake~~	~~20 (6)~~ 25 (7.5)
~~Plumbing vents terminating at least 3 ft (1 m) above the level of the outdoor air intake~~	~~6 (1.9)~~
Vents, chimneys, and flues from combustion appliances and equipment	25(7.5)
Garage Entry, automobile loading area, or drive-in queue	~~15 (5)~~See Note 1
Truck loading area or dock, bus parking/idling area	~~25 (7.5)~~See Note 1
Driveway, landscaped grade, sidewalk, street, or parking place directly below intake	~~6 (1.9)~~5 (1.6)
Thoroughfare with high vehicle traffic volume	~~25 (7.5)~~See Note 1
Roof or other above-grade surface directly below intake	3 (1)
Garbage storage/pick-up area, dumpsters	~~15 (5)~~See Note 1
~~Cooling tower intake or basin~~	~~15 (5)~~
Cooling tower exhaust, intake, or basin	25 (7.5)

Note 1: Refer to ANSI/ASHRAE 62.1, Table 5.5.1[1].

6.3.1.2 ~~Outdoor Air Ventilation System Controls.~~ ~~Mechanical ventilation systems shall include controls in accordance with the following subsections.~~ **Air-Handling System Controls.** Provide air-handling systems and equipment with manual or automatic controls to maintain the required space minimum outdoor airflow and space minimum total air changes per hour under all design conditions, including any space unoccupied turndown conditions.

6.3.1.2.1 All systems shall allow for field verification of outdoor air intake flow during operation and be provided with manual or automatic controls to maintain not less than the outdoor air intake flow required by Section 7, Section 8, and Section 9 under all load conditions or unoccupied turndown conditions.

~~**6.3.1.2.2** Systems with fans supplying variable primary air including single-zone VAV and multiple-zone recirculating VAV systems, shall be provided with any combination of control equipment, methods, or devices to maintain no less than the outdoor air intake flow required for compliance with section 6.3.1.2.1.~~

6.3.1.3 Relief Air. Relief air is exempt from the 25 ft (~~8~~7.5 m) separation requirement. Relief air is defined as air that could be returned to the air-handling unit from the occupied spaces but is being discharged to the outdoors to maintain building pressurization (such as during air-side economizer operation).

Informative Note: For more information, see ASHRAE Standard 62.1 (ASHRAE 2016a) in Appendix B.

6.3.1.4 Areaways. […]

6.3.2 Exhaust Discharges
[…]

6.3.2.3 ~~Buildings~~Health Care Facilities with attached Parking Garages. In order to ~~limit~~ minimize the entry of vehicular exhaust into occupiable spaces, ~~buildings~~ Health Care Facilities with attached parking garages shall ~~be designed to~~ comply with ANSI/ASHRAE Standard 62.1, Section 5.15[1].

~~**a.** Maintain the garage pressure at or below the pressure of the adjacent occupiable spaces.~~
~~**b.** Use a vestibule between the garage and the adjacent occupiable spaces, or~~
c. ~~Otherwise migration of air from the attached parking garage into the adjacent occupiable spaces of the building in a manner acceptable to the authority having jurisdiction.~~

6.3.3 Combustion Air. Fuel-burning appliances, both vented and unvented, shall ~~be provided with air for combustion and removal of combustion products in accordance with manufacturer instructions. Products of combustion from vented appliances shall be vented directly outdoors.~~ comply with ANSI/ASHRAE Standard 62.1, Section 5.7[1].

Modify Section 6.7.6 Air Balancing as shown below.

6.7.6 Air Balancing

6.7.6.1 Designing for Air Balancing. The ~~ventilation~~ air distribution system shall be provided with means to adjust the system to achieve at least the minimum ~~ventilation~~ outdoor airflow and the minimum total air changes per hour as required by Section 7, Section 8, and Section 9 under any load condition.

6.7.6.2 Plenum Systems. When the ceiling or floor plenum is used to recirculate return to ceiling-mounted or floor-mounted terminal units the plenum system shall not be used to distribute ~~outside~~ outdoor air.

Informative Note: Systems with direct connection of ~~ventilation~~ outdoor air ducts to terminals units, for example, comply with this requirement.

6.7.6.3 Documentation. The design documents shall specify minimum requirements for air balance testing or reference applicable national standards for measuring and balancing airflow. ~~Design criteria that were used in the design with respect to ventilation rates and air distribution shall be made available to the Authority Having Jurisdiction upon request.~~

6.7.7 Building Exfiltration. Outdoor Air ventilation systems for a building shall be designed such that the total building outdoor air intake equals or exceeds the total building exhaust under all load and unoccupied turndown conditions.

Exceptions: Where an imbalance is required by process considerations and approved by the authority having jurisdiction.

Modify Section 6.9 Insulation and Duct Lining as shown below.

6.9 Insulation and Duct Lining

a. Pipes, ducts, and other surfaces within the building whose surface temperatures are expected to fall below the surrounding dew-point temperature shall be insulated to prevent condensation and provided with an exterior vapor barrier. A vapor barrier is not required for insulation materials that do not absorb or transmit moisture.

b. Existing insulation and duct lining accessible during a renovation project shall be inspected, repaired, and/or replaced as appropriate.

c. Duct lining shall not be used in ductwork located down-stream of Filter Bank No. 2. Duct lining with an impervious cover may be allowed in terminal units, sound attenuators, and air distribution devices downstream of Filter Bank No. 2. This lining and cover shall be factory installed.

d. Duct lining shall not be installed within 15 ft (4.57 m) downstream of humidifiers.

[Note – the recommended changes to the standard which include the current text of the relevant section(s) indicate deletions by use of ~~strikeout~~ and additions by grey highlighting. Rationale Statements are in *italics* and only used to add clarity; these statements will NOT be in the finished publication.]

NSF/ANSI Standard
for Plastics —

Plastics piping system components and related materials

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5 Physical and performance requirements

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5.8 Chlorine resistance – Equivalency for polyethylene compound modifications

In order to qualify a modification to a compound that already has a chlorine resistance classification, the following minimum requirements shall be met using either Method A or Method B.

5.8.1 Method A (4" DR 11 testing)

a) Test the modified compound per ASTM D3350-14 Section 10.1.11 with an exception in the number of specimens. A minimum of three specimens shall be tested.

b) Specimens shall be tested to failure or until the log average (geometric mean) test time meets the minimum test time requirement in ASTM D3350-14 Table 2 for the original compound's Oxidative Resistance Classification.

c) The modified compound shall be considered equal to the original compound if its Oxidative Resistance Classification meets or exceeds that of the original compound.

5.8.2 Method B (½" DR 9 testing)

a) Test six specimens of the original compound per ASTM D3350-14 Section 10.1.11 with an exception in the pipe size. Test specimens shall be ½" DR 9 pipe.

b) Test six specimens of the modified compound per ASTM D3350-14 Section 10.1.11 with an exception in the pipe size. Test specimens shall be ½" DR 9 pipe.

c) Testing shall be performed at 90 °C and at a test stress of 360, 400, or 450 psi as per ASTM D3350-14 Table 2.

d) Specimens of the original compound shall be tested to failure.

e) Specimens of the modified compound shall be tested to failure or until the log average (geometric mean) test time is ~~above that of the original compound~~ equal to or above 87% of the log average failure time of the original compound as determined by the Analysis section.

Analysis:

— Failures shall be oxidatively induced Stage II failures.

— Calculate the log average failure time for the original compound (ft_{orig}) and of the new compound (ft_{new}).

— Calculate the % difference in the log average failure time of the new compound relative to the original compound based on the following equation:

$$\% \text{ difference in failure time} = (ft_{new} / ft_{orig}) \times 100\%$$

— The modified compound shall be considered equal to the original compound if:

$$\% \text{ difference in failure time} \geq 87\%$$

NOTE — Testing of the original compound (½" DR 9 pipe) is only required to be performed once. All modified compounds shall be compared to this original data set.

BSR/UL 87A, Standard for Safety for Power-Operated Dispensing Devices for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 85 Percent (E0 – E85)

1. Add 16 percent isobutanol/gasoline blend

PROPOSAL

45.1.1 A dispensing device shall be marked with the following information:

a) The manufacturer's or private labeler's name or identifying symbol and a distinctive catalog number or the equivalent;

b) The electrical rating;

c) For the following rated devices:

1) For E85 rated dispensing devices, the wording "Use only the following:" and the brand names and specific model designations of permitted combinations of hose assemblies, breakaway couplings, swivel connectors, and hose nozzle valves to be used.;

2) For E25 rated dispensing devices, the wording "Use only E25 rated hanging hardware," or the equivalent. Marking shall be located where it will be seen by the responsible personnel when performing the intended assembly.; or

3) For E40 rated dispensing devices, the wording "Use only E40 rated hanging hardware," or the equivalent. Marking shall be located where it will be seen by the responsible personnel when performing the intended assembly; or

4) For CiBu16 rated dispensing devices, the wording "Use only CiBu16, E25, E40 or E85 rated hanging hardware," or the equivalent. Marking shall be located where it will be seen by the responsible personnel when performing the intended assembly;

d) The wording "For internal fluid confining components, replace only with identical parts." Marking shall be located where it will be seen by the responsible personnel when performing the intended assembly;

e) The manufacturer's or private labeler's name or identifying symbol and distinctive catalog number or the equivalent of any specific auxiliary equipment that is required to be installed in conjunction with the device to provide intended operation;

f) The electrical rating of a major or significant component part such as a motor, control valve, power reset, or other components which, when obscured by its location within a device, shall be reprinted in a visible location;

g) The date or other dating period of manufacture not exceeding any three consecutive months. The date code shall not repeat in less than 20 years; and

h) Dispensing devices shall be marked to indicate the fuel rating for which they are intended. The marking shall be “Gasoline” for dispensers rated for gasoline only, shall be "E25" for dispensers rated for gasoline and gasoline/ethanol blends with nominal ethanol concentrations up to 25 percent ethanol (E0 - E25), "E40" for dispensers rated for gasoline and gasoline/ethanol blends with nominal ethanol concentrations up to 40 percent ethanol (E0 - E40), ~~or~~ "E85" for dispensers rated for gasoline and gasoline/ethanol blends with nominal ethanol concentrations up to 85 percent ethanol (E0 - E85), or “CiBu16” for dispensers rated for gasoline and gasoline/isobutanol blends with nominal isobutanol concentrations up to ~~85~~16 percent isobutanol (CiBu0 - CiBu16). This marking shall be prominently displayed to identify the dispenser.

BSR/UL 87B, Standard for Safety for Power-Operated Dispensing Devices for Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends with Nominal Biodiesel Concentrations up to 20 Percent (B20), Kerosene, and Fuel Oil

1. Adding renewable diesel blends

PROPOSAL

1.2 Dispensing devices covered by these requirements are intended for use with one or more of the following:

a) Diesel fuel, which includes renewable diesel and diesel fuel/biodiesel blends, with nominal biodiesel concentrations up to and including 5 percent (B0 - B5) formulated in accordance with the Standard Specification for Diesel Fuel Oils, ASTM D975.

b) Diesel/biodiesel, renewable diesel/biodiesel blends, with nominal biodiesel concentrations from 5 percent up to 20 percent (B6 - B20) formulated in accordance with the Standard Specification for Diesel Fuel Oil, Biodiesel Blends (B6 - B20), ASTM D7467.

c) Biodiesel (B99.9/B100) formulated in accordance with the Standard Specification for Biodiesel Fuel Blend Stock (B100) for Middle Distillate Fuels, ASTM D6751.

d) Kerosene formulated in accordance with the Standard Specification for Kerosine, ANSI/ASTM D3699.

e) Fuel Oil (heating oil) formulated in accordance with the Standard Specification for Fuel Oils, ASTM D396.

BSR/UL 2108, Standard For Safety For Low Voltage Lighting Systems,

2. Definitions

3.6 EXPOSED CONDUCTORS - Low voltage supply conductors with no additional housing, which provide physical support and electrical supply connections for one or more luminaire assemblies, including assemblies capable of being repositioned along the length of the conductors. ~~Exposed conductors include the following types:~~

~~a) Exposed bare conductors intended for use with a power unit provided with integral protection against inadvertent shorting and overloading; or~~

~~b) Exposed insulated conductors provided with integral protection against inadvertent shorting by insulation or an insulated coating.~~

3.14.1 PERMANENT INSTALLATION – Equipment not intended to be relocated after installation, although not necessarily requiring the use of tools to remove it from its mounting means or disconnect its electrical connections.

3.16 POWER OVER ETHERNET (P~~O~~oE) - A DC power~~wiring~~ system conforming to the Standard for Ethernet, IEEE 802.3 that uses category 5 (CAT5) or similar cables and 8P8C (RJ45) modular connectors to concurrently carry power and data between the power source and powered device.~~, with Within this standard, the term "PoE" (max 15.4 W) is generically applied to also cover the terms "PoE+" or "PoE Plus" (maximum 25.5 W), "PoE Type 3" or "4PPoE" (max 60 W), and "PoE Type 4" (max 100 W).~~ The voltage and power of all PoE systems are within the class 2 limits of the National Electrical Code, NFPA 70, and therefore are given comparable treatment within this standard. ~~Also covers POE+.~~

7. Markings and instructions

Table 48.1

Form designations for type of marking

Form letter of marking	Type
A	Permanent - Paint-stenciled, die-stamped, indelibly printed lettering, or indelibly printed pressure sensitive label.[a]
B	Temporary - Pressure-sensitive label, decalcomania transfer, paper label, paint, ink, or die stamped lettering.[b]
C	Instructions - Tie-on tag, stuffer sheet or equivalent[c, d]
[a] Pressure sensitive labels shall comply with the requirements in the Standard for Marking and Labeling Systems, UL 969.	

[b] Form A markings are also able to be used.
[c] Forms A and B markings are also able to be used.
[d] Instructions are permitted to be abbreviated if they include a website reference where the full set of instructions can be accessed without need for password or registration.

BSR/UL 2703, Standard for Safety for Mounting Systems, Mounting Devices, Clamping/Retention Devices, and Ground Lugs for Use with Flat-Plate Photovoltaic Modules and Panels

2. Marking and Manual Revisions.

26.2 The installation instructions shall include a detailed description of the grounding method, where applicable, to be used in accordance with the National Electrical Code, ANSI/NFPA 70. The instructions provided for the installation of grounding and bonding devices shall not result in an installation violating the instructions and labels relating to grounding and bonding for a PV module meeting the requirements of UL 1703 or UL 61730-1, whichever applies. This description shall include:

a) The size, type, and temperature rating of the conductors to be used, and
b) The specific grounding devices and hardware (such as nuts, bolts, star washers, split-ring lock washers, flat washers, or bonding devices) that are used to attach a grounding/bonding device that complies with this standard, and
c) A representative diagram to illustrate the minimum ground path, with each point of a grounding or bonding connection clearly identified.