

Contents

American National Standards

Call for Comment on Standards Proposals 2
Call for Members (ANS Consensus Bodies) 10
Final Actions 12
Project Initiation Notification System (PINS) 14
ANS Maintained Under Continuous Maintenance 19
ANSI-Accredited Standards Developers Contact Information 20

International Standards

ISO and IEC Draft Standards 22
ISO and IEC Newly Published Standards 25
Registration of Organization Names in the U.S. 27
Proposed Foreign Government Regulations 27
Information Concerning 28

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

Comment Deadline: June 10, 2018

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

Addenda

BSR/ASHRAE Addendum a to BSR/ASHRAE Standard 52.2-201x, Method of Testing General Ventilation Air Cleaning Devices for Removal Efficiency by Particle Size (addenda to ANSI/ASHRAE Standard 52.2-2012)

Since a psychometric chart is difficult to read and acceptable equations exist and are easy to program, Addendum a deletes Figure 9-2 and adds the equations to the text.

[Click here to view these changes in full](#)

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

NSF (NSF International)

Revision

BSR/NSF 14-201x (i94r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2017)

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 copy to psa@ansi.org) to: jsnider@nsf.org

UL (Underwriters Laboratories, Inc.)

New Standard

BSR/UL 2900-2-2-201x, Standard for Software Cybersecurity for Network-Connectable Products, Part 2-2: Particular Requirements for Industrial Control Systems (new standard)

UL proposes the first edition of the Standard for Software Cybersecurity for Network-Connectable Products, Part 2-2: Particular Requirements for Industrial Control Systems, UL 2900-2-2.

[Click here to view these changes in full](#)

Send comments (with copy to psa@ansi.org) to: Barbara Davis, (510) 319-4233, Barbara.J.Davis@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 498-201x, Standard for Safety for Attachment Plugs and Receptacles (revision of ANSI/UL 498-2017)

These requirements cover attachment plugs, receptacles, cord connectors, inlets, current taps provided with wiring terminals for flexible cord, and flatiron and appliance plugs - all intended for connection to a branch circuit for use in accordance with the National Electrical Code, ANSI/NFPA 70.

[Click here to view these changes in full](#)

Send comments (with copy to psa@ansi.org) to: Megan Monsen, (847) 664-1292, megan.monsen@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 746B-201x, Standard for Safety for Polymeric Materials - Long Term Property Evaluations (revision of ANSI/UL 746B-2018)

This proposal covers a revision of Paragraph 19.14 to update the default Correlation Time for RTI Determination from 100,000 Hours to 60,000 Hours.

[Click here to view these changes in full](#)

Send comments (with copy to psa@ansi.org) to: Derrick Martin, (510) 319-4271, Derrick.L.Martin@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 1063-201X, Standard for Safety for Machine-Tool Wires and Cables (revision of ANSI/UL 1063-2017)

Addition of Single Conductor, Shielded Type MTW Wire; Revised 1.2, 10.1.1, 13.1.1, 14.1, 15.1, 19, 19.1, 22.1, 23.1, and New Section 20A

[Click here to view these changes in full](#)

Send comments (with copy to psa@ansi.org) to: Linda Phinney, (510) 319-4297, Linda.L.Phinney@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 1242-201X, Standard for Safety for Electrical Intermediate Metal Conduit - Steel (revision of ANSI/UL 1242-2014)

(1) Clarification to Table 9.1 of UL 1242.

[Click here to view these changes in full](#)

Send comments (with copy to psa@ansi.org) to: Joshua Johnson, (919) 549-1053, Joshua.Johnson@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 1626-201X, Standard for Residential Sprinklers for Fire-Protection Service (revision of ANSI/UL 1626-2017)

UL proposes new corrosion resistant residential sprinklers requirements for UL 1626.

[Click here to view these changes in full](#)

Send comments (with copy to psa@ansi.org) to: Nicolette Weeks, (919) 549-0973, Nicolette.Allen@ul.com

Comment Deadline: June 25, 2018

AGMA (American Gear Manufacturers Association)

Revision

BSR/AGMA 6001-F-201x, Design and Selection of Components for Enclosed Gear Drives (revision and redesignation of ANSI/AGMA 6001-E-2008 (R2014))

This standard provides an acceptable practice for the design and selection of components for enclosed gear drives. Fundamental equations provide for the proper sizing of shafts, keys, and fasteners based on stated allowable stresses. Other components are discussed in a manner to provide an awareness of their function or specific requirements. This standard applies to the following types of commercial and industrial enclosed gear drives, individually or in combination: spur, helical, herringbone, double helical, or bevel gearing in single or multiple stages. Bevel gear drives may include shaft angles other than 90 degrees.

Single copy price: \$130.00 (non-members); \$65.00 (AGMA members)

Obtain an electronic copy from: tech@agma.org

Order from: Amir Aboutaleb, (703) 684-0211, tech@agma.org

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

AGMA (American Gear Manufacturers Association)

Revision

BSR/AGMA 6101-F-201x, Design and Selection of Components for Enclosed Gear Drive (Metric Edition) (revision and redesignation of ANSI/AGMA 6101-E-2008 (R2014))

This standard provides an acceptable practice for the design and selection of components for enclosed gear drives. Fundamental equations provide for the proper sizing of shafts, keys, and fasteners based on stated allowable stresses. Other components are discussed in a manner to provide an awareness of their function or specific requirements. This standard applies to the following types of commercial and industrial enclosed gear drives, individually or in combination: spur, helical, herringbone, double helical, or bevel gearing in single or multiple stages. Bevel gear drives may include shaft angles other than 90 degrees.

Single copy price: \$120.00 (non-members); \$60.00 (AGMA members)

Obtain an electronic copy from: tech@agma.org

Order from: Amir Aboutaleb, (703) 684-0211, tech@agma.org

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

ASA (ASC S1) (Acoustical Society of America)

Revision

BSR ASA S1.18-201x, Method for Determining the Acoustic Impedance of Ground Surfaces (revision of ANSI ASA S1.18-2010)

Describes procedures for obtaining real and imaginary parts of normalized acoustic impedance ratio of ground surfaces from in-situ measurements of the sound pressure levels at two vertically separated microphones using specified geometries and averaged values of difference between simultaneous instantaneous sound-pressure signals at the two microphones. It enables users to either deduce parameters for a ground impedance model by fitting spectral data to templates or obtain values of normalized specific acoustic impedance ratio of the ground entirely from measurements and independently of any model for acoustic impedance of the ground surface except as a check on the validity of the resulting values.

Single copy price: \$145.00

Obtain an electronic copy from: asastds@acousticalsociety.org

Order from: Neil Stremmel, (631) 390-0215, asastds@acousticalsociety.org

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

ASA (ASC S12) (Acoustical Society of America)

Reaffirmation

BSR ASA S12.9-1992/Part 2 (R201x), Quantities and Procedures for Description and Measurement of Environmental Sound, Part 2: Measurement of Long-term, Wide-area Sound (reaffirmation of ANSI ASA S12.9-1992/Part 2 (R2013))

Describes recommended procedures for measurement of long-term, time-average environmental sound outdoors at one or more locations in a community for environmental assessment or planning for compatible land uses and for other purposes such as noise prediction validation and regulation.

Single copy price: \$100.00

Obtain an electronic copy from: asastds@acousticalsociety.org

Order from: Neil Stremmel, (631) 390-0215, asastds@acousticalsociety.org

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

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

Revision

BSR/ASHRAE Standard 200-201x, Methods of Testing Chilled Beams (revision of ANSI/ASHRAE Standard 200-2015)

ASHRAE Standard 200 was written at the request of the Air-Conditioning, Heating, and Refrigeration Institute (AHRI) to provide test instrumentation and facilities, installation methods, and procedures for determining the capacity and related performance of chilled beams. Procedures provided in this standard apply to active chilled beams. This standard was prepared in cooperation with the AHRI Chilled Beams Section, and it is referenced in AHRI Standards 1240 (I-P) and 1241 (SI), Performance Rating of Active Chilled Beams, as the method of test for the AHRI Active Chilled Beam (ACB) certification program.

Single copy price: \$35.00

Obtain an electronic copy from: standards.section@ashrae.org

Order from: standards.section@ashrae.org

Send comments (with copy to psa@ansi.org) to: Online Comment Database at <https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts>

ASTM (ASTM International)

New Standard

BSR/ASTM E3075-201x, Test Method for Water Immersion and Drying for Evaluation of Flood Damage Resistance (new standard)

This test method is intended to apply to building materials used in construction below the base flood elevation (BFE) including, but not limited to: individual building materials and composite assemblies of building materials that constitute permanent integral parts of a finished building including walls, floors, ceilings, stairways, built-in partitions, finishes, cladding, and other similarly incorporated architectural and structural items.

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Corice Leonard, (610) 832-9744, accreditation@astm.org

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

ASTM (ASTM International)**New Standard**

BSR/ASTM WK61399-201x, Practice for Liquefied Natural Gas (LNG) Bunkering Hose Transfer Assembly (new standard)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Corice Leonard, (610) 832-9744, accreditation@astm.org

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

ASTM (ASTM International)**Reaffirmation**

BSR/ASTM F2184-2010 (R201x), Guide for Installation of Paintball Barrier Netting (reaffirmation of ANSI/ASTM F2184-2010 (R2014))

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Corice Leonard, (610) 832-9744, accreditation@astm.org

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

ASTM (ASTM International)**Reaffirmation**

BSR/ASTM F2278-2010a (R201x), Test Method for Evaluating Paintball Barrier Netting (reaffirmation of ANSI/ASTM F2278-2010a (R2014))

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Corice Leonard, (610) 832-9744, accreditation@astm.org

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

ASTM (ASTM International)**Reaffirmation**

BSR/ASTM F2573-2006 (R201x), Specification for Low Velocity Resilient Material Projectile (reaffirmation of ANSI/ASTM F2573-2006 (R2014))

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Corice Leonard, (610) 832-9744, accreditation@astm.org

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

ASTM (ASTM International)**Reaffirmation**

BSR/ASTM F2574-2006 (R201x), Specification for Low Velocity Projectile Marker (reaffirmation of ANSI/ASTM F2574-2006 (R2014))

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Corice Leonard, (610) 832-9744, accreditation@astm.org

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

ASTM (ASTM International)**Reaffirmation**

BSR/ASTM F3085-2014 (R201x), Specification for Air Soft Gun Barrel Blocking Devices (reaffirmation of ANSI/ASTM F3085-2014)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Corice Leonard, (610) 832-9744, accreditation@astm.org

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

ASTM (ASTM International)**Revision**

BSR/ASTM E18-201x, Test Methods for Rockwell Hardness of Metallic Materials (revision of ANSI/ASTM E18-2015)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Corice Leonard, (610) 832-9744, accreditation@astm.org

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

ASTM (ASTM International)**Revision**

BSR/ASTM F1250-201x, Specification for Stationary Upright and Recumbent Exercise Bicycles and Upper Body Ergometers (revision of ANSI/ASTM F1250-2013)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Corice Leonard, (610) 832-9744, accreditation@astm.org

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

ASTM (ASTM International)**Revision**

BSR/ASTM F1447-201x, Specification for Helmets Used in Recreational Bicycling or Roller Skating (revision of ANSI/ASTM F1447-2012)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Corice Leonard, (610) 832-9744, accreditation@astm.org

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

ASTM (ASTM International)**Revision**

BSR/ASTM F2106-201x, Test Methods for Evaluating Design and Performance Characteristics of Motorized Treadmills (revision of ANSI/ASTM F2106-2012)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Corice Leonard, (610) 832-9744, accreditation@astm.org

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

ASTM (ASTM International)**Revision**

BSR/ASTM F2115-201x, Specification for Motorized Treadmills (revision of ANSI/ASTM F2115-2012)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Corice Leonard, (610) 832-9744, accreditation@astm.org

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

ASTM (ASTM International)**Revision**

BSR/ASTM F2337-201x, Test Method for Treestand Fall Arrest System (revision of ANSI/ASTM F2337-2016)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Corice Leonard, (610) 832-9744, accreditation@astm.org

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

ASTM (ASTM International)**Revision**

BSR/ASTM F2440-201x, Specification for Indoor Wall/Feature Padding (revision of ANSI/ASTM F2440-2011)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Corice Leonard, (610) 832-9744, accreditation@astm.org

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

ASTM (ASTM International)**Revision**

BSR/ASTM F2711-201x, Test Methods for Bicycle Frames (revision of ANSI/ASTM F2711-2008 (R2012))

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Corice Leonard, (610) 832-9744, accreditation@astm.org

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

ASTM (ASTM International)**Revision**

BSR/ASTM F3023-201x, Test Methods for Evaluating Design and Performance Characteristics of Stationary Upright and Recumbent Exercise Bicycles and Upper Body Ergometers (revision of ANSI/ASTM F3023-2013)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Corice Leonard, (610) 832-9744, accreditation@astm.org

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

ASTM (ASTM International)**Revision**

BSR/ASTM F3150-201x, Specification for HEPA Filtration System Performance of Residential and Commercial Vacuum Cleaners (revision of ANSI/ASTM F3150-2015)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Corice Leonard, (610) 832-9744, accreditation@astm.org

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

ATIS (Alliance for Telecommunications Industry Solutions)**Stabilized Maintenance**

BSR ATIS 0300255-2008 (S201x), In-Service, Non-Intrusive Measurement Device (INMD) Methodology for Applying INMD Measurements to Customer Opinion Models (stabilized maintenance of ANSI ATIS 0300255-2008 (R2013))

This document is intended for use as the North American standard for mapping measurements made with In-Service, Non intrusive Measurement Devices (INMDs) to the parameters used in customer opinion models for voice services. This standard includes mathematical algorithms which perform this mapping and allow customer opinion ratings to be determined from INMD measurements.

Single copy price: \$30.00

Obtain an electronic copy from: ablasgen@atis.org

Send comments (with copy to psa@ansi.org) to: ablasgen@atis.org

HPS (ASC N43) (Health Physics Society)**New Standard**

BSR N43.7-201x, Safe Design and Use of Self-Contained, Dry Source Storage Irradiators (Category I) (new standard)

This standard applies to self-contained, dry source storage irradiators (Category I) that contain sealed gamma- or beta-emitting sources for the irradiation of objects or materials. The standard establishes criteria to be used in the proper design, fabrication, installation, use, and maintenance of these irradiators that will ensure a high degree of radiation safety. This standard applies to irradiator designs produced after the date of this publication. This standard is not a substitute for regulations. Nothing in this standard relieves persons from complying with applicable federal and state requirements governing the use of these irradiators or devices

Single copy price: \$50.00

Obtain an electronic copy from: nanjohns@verizon.net

Order from: Nancy Johnson, (703) 790-1745, nanjohns@verizon.net

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

HPS (ASC N43) (Health Physics Society)**Reaffirmation**

BSR N43.17-2009 (R201x), Radiation Safety for Personnel Security Screening Systems Using X-Ray or Gamma Radiation (reaffirmation of ANSI N43.17-2009)

Applies to the manufacture and operation of security screening systems that use x-rays, gamma radiation, or both, in which individuals are intentionally exposed to this ionizing radiation. Does not address neutron-based systems. The standard provides requirements specific to the ionizing radiation safety aspects of both the design and operation of these systems. It does not include electrical safety guidelines or any other safety, performance, or use considerations outside of the realm of radiation safety.

Single copy price: \$50.00

Obtain an electronic copy from: nanjohns@verizon.net

Order from: Nancy Johnson, (703) 790-1745, nanjohns@verizon.net

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

ISEA (International Safety Equipment Association)**New Standard**

BSR/ISEA 121-201x, Dropped Object Prevention Solutions (new standard)

This standard establishes minimum design, performance, testing, and labeling requirements for solutions that reduce dropped objects incidents in industrial and occupational settings. These solutions include anchor attachments, tool attachments, tool tethers, and containers. Dropped objects include hand tools, instrumentation, small parts, structural components, and other items that have to be transferred and used at heights. The standard does not address passive preventative solutions such as netting, barricades, and toe boards, nor does it address protective solutions dropped objects that minimize damage from falling objects including head protection, foot protection, and eye protection.

Single copy price: \$20.00

Obtain an electronic copy from: cfargo@safetysafetyequipment.org

Send comments (with copy to psa@ansi.org) to: cfargo@safetysafetyequipment.org

TIA (Telecommunications Industry Association)**Reaffirmation**

BSR/TIA J-STD-025-A-2003 (R201x), Lawfully Authorized Electronic Surveillance (reaffirmation of ANSI/TIA J-STD-025-A-2003 (R2012))

This document defines the interfaces between a telecommunications service provider (TSP) and a Law Enforcement Agency (LEA) to assist the LEA in conducting lawfully authorized electronic surveillance.

Single copy price: \$304.00

Obtain an electronic copy from: standards@tiaonline.org

Order from: TIA; standards@tiaonline.org

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

TIA (Telecommunications Industry Association)**Reaffirmation**

BSR/TIA J-STD-025-B-2006 (R201x), Lawfully Authorized Electronic Surveillance (reaffirmation of ANSI/TIA J-STD-025-B-2006 (R2012))

This document defines the interfaces between a telecommunications service provider (TSP) and a Law Enforcement Agency (LEA) to assist the LEA in conducting lawfully authorized electronic surveillance.

Single copy price: \$377.00

Obtain an electronic copy from: standards@tiaonline.org

Order from: TIA; standards@tiaonline.org

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

TIA (Telecommunications Industry Association)**Reaffirmation**

BSR/TIA J-STD-025-B-1-2006 (R201x), Lawfully Authorized Electronic Surveillance (LAES) - Addendum 1: Addition of Mobile Equipment Identifier (MEID) (reaffirmation of ANSI/TIA J-STD-025-B-1-2006 (R2012))

This addendum only consists of additions to ANSI/J-STD-025-B adding MEID, as follows: (a) Page 12, Line 46: Section 3 - Definitions and Acronyms - Add Mobile Equipment Identifier (MEID); (b) Page 92 Line 10: Section 6.4.9 - Party Identity - Add meid; (c) Page 220, Line 14: Annex I - Party Identity - Add meid; (d) Page 235, Lines 2 and 14: Index - Add meid and Mobile Equipment Identifier; and (e) Page 243, Line 43: Index - Add MEID.

Single copy price: \$65.00

Obtain an electronic copy from: standards@tiaonline.org

Order from: TIA; standards@tiaonline.org

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

TIA (Telecommunications Industry Association)**Reaffirmation**

BSR/TIA J-STD-025-B-2-2007 (R201x), Lawfully Authorized Electronic Surveillance (LAES) - Addendum 2: Support for Carrier Identity (reaffirmation of ANSI/TIA J-STD-025-B-2-2007 (R2012))

This addendum only consists of additions to ANSI/J-STD-025-B adding Carrier Identity information in the cdma2000 Packet Data Serving System message, as follows: (a) Page 72, Line 40: Section 5.5.4 cdma2000 Packet Data Serving System message, Table 21 - Add Carrier Identity; (b) Page 93, Lines 40 and 52: Section 6.5 - Module ID and Object Identifier- Update Module ID and Object Identifier; (c) Page 95 Line 27: Section 6.5 - Message definitions, cdma2000 Packet Data Serving System message - Add Carrier Identity; (d) Page 96, Line 3: Section 6.5 -- Parameter definitions - Add Carrier Identity.

Single copy price: \$67.00

Obtain an electronic copy from: standards@tiaonline.org

Order from: TIA; standards@tiaonline.org

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

UL (Underwriters Laboratories, Inc.)**New National Adoption**

BSR/UL 12402-5-201X, Standard for Personal Flotation Devices - Part 5: Buoyancy Aids (Level 50) - Safety Requirements (national adoption of ISO 12402-5 with modifications and revision of ANSI/UL 12402-5-2015)

UL proposes a recirculation of the proposals for UL 12402-5 that were balloted on October 27, 2017.

Single copy price: Free

Obtain an electronic copy from: <http://www.shopulstandards.com>

Send comments (with copy to psa@ansi.org) to: Nicolette Weeks, (919) 549-0973, Nicolette.Allen@ul.com

UL (Underwriters Laboratories, Inc.)***New National Adoption***

BSR/UL 60079-29-2-201X, Standard for Safety for Explosive Atmospheres - Part 29-2: Gas Detectors - Selection, Installation, Use and Maintenance of Detectors for Flammable Gases and Oxygen (national adoption of IEC 60079-29-2 with modifications and revision of ANSI/ISA 60079-29-2 (12.13.02)-2012)

Adoption of IEC 60079-29-2, Explosive Atmospheres - Part 29-2: Gas Detectors - Selection, Installation, Use and Maintenance of Detectors for Flammable Gases and Oxygen, (second edition, issued by IEC March 2015) as a new IEC-based UL standard, UL 60079-29-2 with U.S. Differences.

Single copy price: Free

Obtain an electronic copy from: <http://www.shopulstandards.com>

Send comments (with copy to psa@ansi.org) to: Vickie Hinton, (919) 549-1851, Vickie.T.Hinton@ul.com

UL (Underwriters Laboratories, Inc.)***New Standard***

BSR/UL 7007-201x, Standard for Sustainability for Microwave Oven Appliances (new standard)

This Standard covers microwave oven appliances for households included within the scope of the U.S. Department of Energy (DoE) and National Resources Canada (NRCan) minimum energy performance requirements.

Single copy price: Free

Obtain an electronic copy from: <http://www.shopulstandards.com>

Send comments (with copy to psa@ansi.org) to: Grace Roh, (919) 549-1389, Grace.Roh@ul.com

UL (Underwriters Laboratories, Inc.)***Reaffirmation***

BSR/UL 140-2008 (R201x), Standard for Safety for Relocking Devices for Safes and Vaults (reaffirmation of ANSI/UL 140-2008 (R2012))

UL proposes a reaffirmation for ANSI approval of UL 140.

Single copy price: Free

Obtain an electronic copy from: <http://www.shopulstandards.com>

Send comments (with copy to psa@ansi.org) to: Mary Huras, (613) 368-4425, Mary.Huras@ul.com

UL (Underwriters Laboratories, Inc.)***Reaffirmation***

BSR/UL 603-2013 (R201x), Standard for Safety for Power Supplies for Use with Burglar-Alarm Systems (reaffirmation of ANSI/UL 603-2013)

UL proposes a reaffirmation for ANSI approval of UL 603.

Single copy price: Free

Obtain an electronic copy from: <http://www.shopulstandards.com>

Send comments (with copy to psa@ansi.org) to: Theresa Espejo, (416) 288-2212, theresa.espejo@ul.com

UL (Underwriters Laboratories, Inc.)***Reaffirmation***

BSR/UL 639-2012 (R201x), Standard for Safety for Intrusion-Detection Units (reaffirmation of ANSI/UL 639-2012)

UL proposes a reaffirmation for ANSI approval of UL 639.

Single copy price: Free

Obtain an electronic copy from: <http://www.shopulstandards.com>

Send comments (with copy to psa@ansi.org) to: Paul Lloret, (510) 319-4269, Paul.E.Lloret@ul.com

UL (Underwriters Laboratories, Inc.)***Revision***

BSR/UL 489-201X, Standard for Safety for Molded-Case Circuit Breakers, Molded-Case Switches and Circuit-Breaker Enclosures (revision of ANSI/UL 489-2016)

(1) Proposed exception for 6" minimum length of field wiring conductor (lead); (2) Revision to the requirements for draw-out circuit breakers; (3) Revisions to the calibration requirements for supplement SB; (4) Revision to Table 7.1.7.3 - Available current in test circuits; (5) Revised requirements for accessory terminal leads wire size; (6) Revision of Table 7.1.1.2 to include calibration testing at -35°C and 66°C; (7) Addition of requirements from UL 489G into UL 489.

Single copy price: Free

Obtain an electronic copy from: <http://www.shopulstandards.com>

Send comments (with copy to psa@ansi.org) to: Patricia Sena, (919) 549-1636, patricia.a.sena@ul.com

UL (Underwriters Laboratories, Inc.)***Revision***

BSR/UL 1653-201X, Standard for Safety for Electrical Nonmetallic Tubing (revision of ANSI/UL 1653-2014)

Publish an updated new edition which includes references to the Mexican electrical installation code, referenced publications, and ANCE references.

Single copy price: Free

Obtain an electronic copy from: <http://www.shopulstandards.com>

Send comments (with copy to psa@ansi.org) to: Joshua Johnson, (919) 549-1053, Joshua.Johnson@ul.com

UL (Underwriters Laboratories, Inc.)***Revision***

BSR/UL 2238-201X, Standards for Safety for Cable Assemblies and Fittings for Industrial Control and Signal Distribution (revision of ANSI/UL 2238-2013)

(1) New Supplement SA - Optional Short Circuit Rated Cable Assemblies and Fittings for Industrial Control and Signal Distribution; (2) Number of test samples.

Single copy price: Free

Obtain an electronic copy from: <http://www.shopulstandards.com>

Send comments (with copy to psa@ansi.org) to: Joshua Johnson, (919) 549-1053, Joshua.Johnson@ul.com

Comment Deadline: July 10, 2018

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

ASME (American Society of Mechanical Engineers)

Revision

BSR/ASME B36.10M-201x, Welded and Seamless Wrought Steel Pipe (revision of ANSI/ASME B36.10M-2015)

This Standard covers the standardization of dimensions of welded and seamless wrought steel pipe for high or low temperatures and pressures.

Single copy price: Free

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

Order from: Mayra Santiago, ASME; ansibox@asme.org

Send comments (with copy to psa@ansi.org) to: April Amaral, (212) 591-8402, AmaralA@asme.org

EMAP (Emergency Management Accreditation Program)

Revision

BSR/EMAP EMS 5-201x, Emergency Management Standard (revision and redesignation of ANSI/EMAP EMS2016-2016)

The Standard establishes the baseline performance criteria for an Emergency Management Program. The Standards will include all phases of emergency management to include prevention, preparedness, mitigation, response, and recovery activities. The Standard will outline 16 programmatic areas that provide necessary components of a comprehensive emergency management and homeland security program. The 16 programmatic areas which include such things as Program Administration, Evaluation, Coordination, Advisory Committee and Laws & Authorities; Hazard Identification, Risk Assessment & Consequence Analysis; Hazard Mitigation; Prevention; Operational Planning & Procedures; Incident Management; Resource Management, Mutual Aid & Logistics; Communications & Warning; Facilities; Training; Exercises, Evaluations & Corrective Actions; and Emergency Public Information & Education. This Standard will not be considered an ISO Standard. This Standard replaces the EMAP 4-2016 Emergency Management Standard.

Single copy price: Free

Obtain an electronic copy from: www.emap.org

Order from: Christine Jacobs, (859) 494-0917, cjacobs@csg.org

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

EMAP (Emergency Management Accreditation Program)

Revision

BSR/EMAP US&R 2-201x, Urban Search & Rescue Standard (revision and redesignation of ANSI/EMAP US&R-2016)

The Standard establishes the baseline performance criteria for an Urban Search & Rescue Resource. The Standard will outline resource areas that provide for necessary components of a comprehensive Urban Search and Rescue team. The Standards will include criteria elements to include management, operations, and logistical readiness. The Standard will outline seven resource areas which include such things as Resource Program Management, Finance, Membership & Planning & Procedures; Incident Management; Notification & Deployment; Training & Exercises; and Resource Management & Logistics. This Standard will not be considered an ISO Standard. This Standard replaces the EMAP 1-2016 Urban Search & Rescue Standard.

Single copy price: Free

Obtain an electronic copy from: www.emap.org

Order from: Christine Jacobs, (859) 494-0917, cjacobs@csg.org

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

Projects Withdrawn from Consideration

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:

DMSC, Inc. (Dimensional Metrology Standards Consortium, Inc.)

BSR/DMSC QIF 3.0 Part 4-2016, Quality Information Framework (QIF) - An Integrated Model for Manufacturing Quality Information; Part 4: QIF Plans Information Model and XML Schema File Version 3.0 (revision and redesignation of ANSI/DMSC QIF Part 4-2014)

DMSC, Inc. (Dimensional Metrology Standards Consortium, Inc.)

BSR/DMSC QIF 3.0 Part 1-2016 & BSR/DMSC QIF Part 2-2016, Quality Information Framework - v. 3.0 QIF Library information model and XML schema files (revision and redesignation of ANSI/QIF Part 1-2015 & ANSI/QIF Part 2-2015)

Inquiries may be directed to Bailey Squier, (817) 461-1092, bsquier@dmis.org

DMSC, Inc. (Dimensional Metrology Standards Consortium, Inc.)

BSR/DMSC QIF 3.0 Part 3-2016, Quality Information Framework, Model Based Definition, information model and XML schema files 3.0 (revision and redesignation of ANSI/DMSC QIF Part 3-2015)

DMSC, Inc. (Dimensional Metrology Standards Consortium, Inc.)

BSR/DMSC QIF 3.0 Part 5-2016, Quality Information Framework - QIF-Resources Information Model and XML Schema Files v. 3.0 (revision and redesignation of ANSI/DMSC QIF Part 5-2015)

DMSC, Inc. (Dimensional Metrology Standards Consortium, Inc.)

BSR/DMSC QIF 3.0 Part 6-2016, Quality Information Framework (QIF) - Part 6: QIF Rules Information Model and XML Schema File Version 3.0 (revision and redesignation of ANSI/DMSC QIF Part 6-2015)

DMSC, Inc. (Dimensional Metrology Standards Consortium, Inc.)

BSR/DMSC QIF 3.0 Part 7-2016, Quality Information Framework (QIF) - Part 7: QIF Results Information Model and XML Schema File Version 3.0 (revision and redesignation of ANSI/QIF Part 7-2015)

DMSC, Inc. (Dimensional Metrology Standards Consortium, Inc.)

BSR/DMSC QIF 3.0 Part 8-2016, Quality Information Framework Statistics v.3.0 (revision and redesignation of ANSI/DMSC QIF Part 8-2015)

IEEE (Institute of Electrical and Electronics Engineers)

BSR/IEEE 1680.1-201x, Standard for Environmental Assessment of Personal Computer Products, Including Notebook Personal Computers, Desktop Personal Computers, and Personal Computer Displays (revision of ANSI/IEEE 1680.1-2010)

30 Day Notice of Withdrawal: ANS 5 to 10 years past approval date

In accordance with clause 4.7.1 Periodic Maintenance of American National Standards of the ANSI Essential Requirements, the following American National Standards have not been reaffirmed or revised within the five-year period following approval as an ANS. Thus, they shall be withdrawn at the close of this 30-day public review notice in Standards Action.

NCPDP (National Council for Prescription Drug Programs)

ANSI/NCPDP MS V3.0-2007, Medicaid Subrogation Implementation Guide for Batch Standard Version 3.0

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.

ASA (ASC S1) (Acoustical Society of America)

Office: 1305 Walt Whitman Road Suite 300
Melville, NY 11747

Contact: Neil Stremmel

Phone: (631) 390-0215

Fax: (631) 923-2875

E-mail: asastds@acousticalsociety.org

BSR ASA S1.18-201x, Method for Determining the Acoustic Impedance of Ground Surfaces (revision of ANSI ASA S1.18-2010)

EMAP (Emergency Management Accreditation Program)

Office: 201 Park Washington Court
Falls Church, VA 22046-4527

Contact: Christine Jacobs

Phone: (859) 494-0917

E-mail: cjacobs@emap.org

BSR/EMAP EMS 5-201x, Emergency Management Standard (revision and redesignation of ANSI/EMAP EMS2016-2016)

BSR/EMAP US&R 2-201x, Urban Search & Rescue Standard (revision and redesignation of ANSI/EMAP US&R-2016)

NEMA (ASC C37) (National Electrical Manufacturers Association)

Office: 1300 North 17th Street
Suite 900
Rosslyn, VA 22209

Contact: Gerard Winstanley

Phone: (703) 841-3231

Fax: (703) 841-3331

E-mail: Gerard.Winstanley@nema.org

BSR C37.55-201x, Standard for Switchgear Medium Voltage Metal-Clad Assemblies - Conformance Test Procedures (revision of ANSI C37.55-2003 (R2010))

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 14-201x (i94r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2017)

BSR/NSF 496-201x, Next Generation Sequencing (new standard)

BSR/NSF 497-201x, Hand Hygiene Practices and Monitoring (new standard)

TIA (Telecommunications Industry Association)

Office: 1320 North Courthouse Road
Suite 200
Arlington, VA 22201

Contact: Teesha Jenkins

Phone: (703) 907-7706

Fax: (703) 907-7727

E-mail: standards@tiaonline.org

BSR/TIA J-STD-025-A-2003 (R201x), Lawfully Authorized Electronic Surveillance (reaffirmation of ANSI/TIA J-STD-025-A-2003 (R2012))

BSR/TIA J-STD-025-B-2006 (R201x), Lawfully Authorized Electronic Surveillance (reaffirmation of ANSI/TIA J-STD-025-B-2006 (R2012))

BSR/TIA J-STD-025-B-1-2006 (R201x), Lawfully Authorized Electronic Surveillance (LAES) - Addendum 1: Addition of Mobile Equipment Identifier (MEID) (reaffirmation of ANSI/TIA J-STD-025-B-1-2006 (R2012))

BSR/TIA J-STD-025-B-2-2007 (R201x), Lawfully Authorized Electronic Surveillance (LAES) - Addendum 2: Support for Carrier Identity (reaffirmation of ANSI/TIA J-STD-025-B-2-2007 (R2012))

UL (Underwriters Laboratories, Inc.)

Office: 12 Laboratory Drive
Suite 400
Research Triangle Park, NC 27709-3995

Contact: Mary Huras

Phone: (613) 368-4425

E-mail: Mary.Huras@ul.com

BSR/UL 140-2008 (R201x), Standard for Safety for Relocking Devices for Safes and Vaults (reaffirmation of ANSI/UL 140-2008 (R2012))

BSR/UL 603-2013 (R201x), Standard for Safety for Power Supplies for Use with Burglar-Alarm Systems (reaffirmation of ANSI/UL 603-2013)

BSR/UL 639-2012 (R201x), Standard for Safety for Intrusion-Detection Units (reaffirmation of ANSI/UL 639-2012)

BSR/UL 8800-201x, Standard for Safety for Horticultural Lighting Equipment (new standard)

VITA (VMEbus International Trade Association (VITA))

Office: 929 W. Portobello Avenue
Mesa, AZ 85210

Contact: Jing Kwok

Phone: (602) 281-4497

E-mail: jing.kwok@vita.com

BSR/VITA 78.0-201xx, SpaceVPX System Standard (revision and redesignation of ANSI/VITA 78-2015)

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.

AIAA (American Institute of Aeronautics and Astronautics)

Revision

ANSI/AIAA G-043B-2018, Guide for the Preparation of Operational Concept Documents (revision of ANSI/AIAA G-043A-2012): 5/3/2018

ASA (ASC S12) (Acoustical Society of America)

New Standard

ANSI ASA S12.71-2018, Performance Criteria for Systems that Estimate the Attenuation of Passive Hearing Protectors for Individual Users (new standard): 5/7/2018

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

New Standard

ANSI/ASHRAE/ACCA Standard 211-2018, Standard for Commercial Building Energy Audits (new standard): 5/1/2018

Reaffirmation

ANSI/ASHRAE Standard 41.7-2015 (R2018), Standard Methods for Gas Flow Measurement (reaffirmation of ANSI/ASHRAE Standard 41.7-2015): 5/1/2018

Revision

ANSI/ASHRAE Standard 22-2018, Methods of Testing for Rating Liquid-Cooled Refrigerant Condensers (revision of ANSI/ASHRAE Standard 22-2014): 5/1/2018

ANSI/ASHRAE Standard 181-2018, Methods of Testing for Rating Liquid-to-Liquid Heat Exchangers (revision of ANSI/ASHRAE Standard 181-2014): 5/1/2018

ANSI/ASHRAE Standard 203-2018, Method of Test for Determining Heat Gain of Office Equipment Used in Buildings (revision of ANSI/ASHRAE Standard 203-2015): 5/1/2018

Withdrawal

ANSI/ASHRAE Standard 149-2013, Laboratory Methods of Testing Fans Used to Exhaust Smoke in Smoke Management Systems (withdrawal of ANSI/ASHRAE Standard 149-2013): 5/1/2018

ASME (American Society of Mechanical Engineers)

Reaffirmation

ANSI/ASME A112.19.14-2013 (R2018), Six-Liter Water Closets Equipped with a Dual Flushing Device (reaffirmation of ANSI/ASME A112.19.14-2013): 5/8/2018

ANSI/ASME A112.19.17-2010 (R2018), Manufactured Safety Vacuum Release Systems (SVRS) for Residential and Commercial Swimming Pool, Spa, Hot Tub and Wading Pool Suction Systems (reaffirmation of ANSI/ASME A112.19.17-2010): 5/8/2018

ASSE (ASC A10) (American Society of Safety Engineers)

Reaffirmation

ANSI ASSE A10.9-2013 (R2018), Safety Requirements for Concrete and Masonry Work (reaffirmation of ANSI ASSE A10.9-2013): 5/3/2018

ASSE (Safety) (American Society of Safety Engineers)

New National Adoption

ANSI/ASSP/ISO 45001-2018, Occupational health and safety management systems - Requirements with guidance for use (identical national adoption of ISO 45001-2018): 5/8/2018

ATIS (Alliance for Telecommunications Industry Solutions)

Reaffirmation

ANSI ATIS 0300208-2013 (R2018), Operations, Administration, Maintenance, and Provisioning (OAM&P) - Upper-Layer Protocols for Telecommunications Management Network (TMN) Interfaces, Q and X Interfaces (reaffirmation of ANSI ATIS 0300208-2013): 5/7/2018

Revision

ANSI/ATIS 0600003-2018, Battery Enclosure and Rooms/Areas (revision of ANSI/ATIS 0600003-2007 (R2012)): 5/7/2018

ANSI/ATIS 0600307-2018, Fire Resistance Criteria Ignitability Requirements for Equipment Assemblies, Ancillary Non-Metallic Apparatus, and Fire Spread Requirements for Wire and Cable (revision of ANSI ATIS 0600307-2014): 5/7/2018

Stabilized Maintenance

ANSI ATIS 0300204-2008 (S2018), Operations, Administration, Maintenance, and Provisioning (OAM&P) - Lower-Layer Protocols for Telecommunications Management Network (TMN) Interfaces, Q and X Interfaces (stabilized maintenance of ANSI ATIS 0300204-2008 (R2013)): 5/7/2018

AWWA (American Water Works Association)

Reaffirmation

ANSI/AWWA D110-2013 (R2018), Wire- and Strand-Wound, Circular, Prestressed Concrete Water Tanks (reaffirmation of ANSI/AWWA D110-2013): 5/2/2018

CTA (Consumer Technology Association)

New Standard

* ANSI/CTA 2065-2018, Physical Activity Monitoring for Heart Rate (new standard): 5/3/2018

HL7 (Health Level Seven)

New Standard

ANSI/HL7 TEMPLATES, R1-2018, HL7 Templates Standard: Specification and Use of Reusable Information Constraint Templates, Release 1 (new standard): 5/8/2018

Reaffirmation

ANSI/HL7 V3 PC CARETRANS, R1-2013 (R2018), HL7 Version 3 Standard: Care Provision; Care Transfer Topic, Release 1 (reaffirmation of ANSI/HL7 V3 PC CARETRANS, R1-2013): 5/8/2018

IEEE (Institute of Electrical and Electronics Engineers)**New Standard**

ANSI/IEEE 802.3bu-2016, Standard for Ethernet - Amendment 8: Physical Layer and Management Parameters for Power over Data Lines (PoDL) of Single-Balanced Twisted-Pair Ethernet (new standard): 5/4/2018

ANSI/IEEE C62.42.0-2016, Guide for the Application of Surge-Protective Components in Surge-Protective Devices and Equipment Ports - Overview (new standard): 5/8/2018

IES (Illuminating Engineering Society)**Addenda**

ANSI/IES RP-8-2018, Add 1, Roadway Lighting (addenda to ANSI/IES RP-8-2014): 5/3/2018

NSF (NSF International)**Revision**

ANSI/NSF 2-2018 (i29r1), Food Equipment (revision of ANSI/NSF 2-2016): 5/3/2018

ANSI/NSF 51-2018 (i14Ar1), Food Equipment Materials (revision of ANSI/NSF 51 - 2014): 5/6/2018

RESNA (Rehabilitation Engineering and Assistive Technology Society of North America)**Reaffirmation**

- * ANSI/RESNA ASE-2-2012 (R2018), RESNA Standard for Adaptive Sports Equipment - Volume 2: Adaptive Golf Cars (reaffirmation of ANSI/RESNA ASE-2-2012): 5/4/2018

RVIA (Recreational Vehicle Industry Association)**Revision**

ANSI/RVIA EGS-1-2018, Engine Generator Sets for Recreational Vehicle Requirements (revision of ANSI/RVIA EGS-1-2013): 5/2/2018

TCIA (ASC A300) (Tree Care Industry Association)**Reaffirmation**

- * ANSI A300, Part 6-2012 (R2018), Tree, Shrub, and Other Woody Plant Management Standard Practices (Planting and Transplanting) (reaffirmation of ANSI A300 (Part 6)-2012): 5/8/2018

TIA (Telecommunications Industry Association)**Addenda**

ANSI/TIA 102.AABC-D-3-2018, Trunking Control Channel Messages - Addendum 3: Accessory Sensed Emergency (addenda to ANSI/TIA 102.AABC-D-1-2016): 5/8/2018

UL (Underwriters Laboratories, Inc.)**New National Adoption**

- * ANSI/UL 62841-2-1-2018, Standard for Safety for Electric-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety - Part 2-1: Particular Requirements for Hand-Held Drills and Impact Drills (identical national adoption of IEC 62841-2-1): 4/30/2018

New Standard

ANSI/UL 8139-2018, Standard for Safety for Electrical Systems of Electronic Cigarettes and Vaping Devices (new standard): 4/27/2018

ANSI/UL 8139-2018a, Standard for Safety for Electrical Systems of Electronic Cigarettes and Vaping Devices (new standard): 4/27/2018

Revision

ANSI/UL 13-2018, Standard for Safety for Power-Limited Circuit Cables (revision of ANSI/UL 13-2017): 5/3/2018

ANSI/UL 213-2018, Standard for Safety for Rubber Gasketed Fittings for Fire-Protection Service (revision of ANSI/UL 213-2013): 5/2/2018

ANSI/UL 924-2018, Standard for Safety for Emergency Lighting and Power Equipment (revision of ANSI/UL 924-2017a): 5/1/2018

ANSI/UL 1203-2018a, Standard for Safety for Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations (revision of ANSI/UL 1203-2018): 4/30/2018

ANSI/UL 1569-2018, Standard for Safety for Metal-Clad Cables (Proposal dated 8/11/17) (revision of ANSI/UL 1569-2016): 5/4/2018

ANSI/UL 1569-2018a, Standard for Safety for Metal-Clad Cables, (Proposals dated 1/26/18) (revision of ANSI/UL 1569-2016): 5/4/2018

ANSI/UL 1651-2018, Standard for Safety for Optical Fiber Cables (revision of ANSI/UL 1651-2015): 5/3/2018

ANSI/UL 2089-2018, Standard for Safety for Vehicle Battery Adapters (revision of ANSI/UL 2089-2011 (R2015)): 5/7/2018

ANSI/UL 4248-8-2018, Standard for Safety for Fuseholders - Part 8: Class J (revision of ANSI/UL 4248-8-2013): 4/30/2018

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*

BSR/ASB Std 076-201x, Human Remains Canine Detection on Land (new standard)

Stakeholders: Canine handlers, canine trainers, canine evaluating officials, defense and prosecution attorney, law enforcement officers, fire investigators.

Project Need: There are no consensus standards for canine teams (canine and handlers), specifically dedicated to searching for human remains on land. The training of canines for mass disaster operations is different from that required for forensic relevant search operations.

To state requirements for the training, certification, and documentation pertaining to canine teams trained to search for human remains on land. This document does not cover mass-disaster victim-location canine activities, which are covered under separate standards.

BSR/ASB Std 082-201x, Crime Scene/Death Investigation - Dogs and Sensors Article Search (new standard)

Stakeholders: Federal, state, local and private sector canine detection teams; scientific and non-profit community involved in odor and scent detection; and biological detectors involved in research.

Project Need: There are no consensus standards for article search canine teams (canine and handler), specifically dedicated to specialized protocols and training for canines used to conduct article searches. Canines not trained specifically for article search detection may result in inaccurate and inconsistent results.

This Standard contains requirements for the development of training of canine handlers and canines and also details the canine team assessments and the basis for certification procedures including record keeping and document management. This Standard addresses the canine scent detection discipline of article search which entails a canine team (canine and handler) to search areas, usually near crime scenes, for human-scented articles.

BSR/ASB Std 086-201x, Narcotic Canine Detection (new standard)

Stakeholders: Federal, state, local and private sector canine detection teams; scientific and non-profit community involved in narcotic odor detection; and biological detectors involved in research.

Project Need: Currently there are no consensus standards for canine teams (canine and handler) specifically dedicated to specialized protocols in Narcotic Detection work. It is anticipated that implementation of universal standards will result in accurate and consistent results.

This Standard contains requirements for the development of training of canine handlers and canines and will also detail the canine team assessments and the basis for certification procedures including record keeping and document management. This Standard addresses the canine odor detection discipline of narcotics which entails canine teams (canine handlers and canines) trained to search for illicit drugs.

BSR/ASB Std 088-201x, General Guidelines for Training, Certification, and Documentation of Canine Detection Disciplines (new standard)

Stakeholders: Federal, state, local and private sector canine detection teams; scientific and non-profit community involved in odor and scent detection; and biological detectors involved in research.

Project Need: There are no consensus standards for the canine teams (canine handlers and canines) and training, certification, and documentation processes specifically dedicated to general guidelines for detector canine teams.

This Standard contains requirements for the development of training of canine handlers and canines and will also detail the canine team assessments and the basis for certification procedures including record keeping and document management. This standard does not cover discipline-specific guidelines.

ACCA (Air Conditioning Contractors of America)

Contact: *Danny Hale, (703) 824-8868, danny.hale@acca.org*
 2800 Shirlington Road, Suite 300, Arlington, VA 22206

BSR/ACCA 4 QM-201x, Maintenance of Residential HVAC Systems (revision of ANSI/ACCA 4 QM-2013)

Stakeholders: Original equipment manufacturers, HVACR contractors, and consumers.

Project Need: Heating Ventilating and Air-Conditioning (HVAC) contractors use different approaches for inspecting “clean and checks”, and “maintenance services” performed on HVAC equipment. This standard establishes the minimum level of acceptable compliance for HVAC equipment maintenance inspections for residential applications. For the public good, it is essential that residential HVAC systems support a comfortable, healthy indoor environment and operate efficiently throughout their lifecycles. This standard provides a nationally recognized, manufacturer-endorsed set of inspection tasks to meet this need. From this base, consumers can compare the value of the additional recommended corrective actions needed to remedy identified faults. For contractors, it provides a common platform for creating a customized maintenance program, allowing for bundling different recommended corrective actions at competitive fee structures.

This standard provides minimum requirements for the inspection, HVAC contractors, of residential HVAC equipment found in one- or two-family dwellings of three or fewer stories. This standard includes checklist tasks for inspecting, testing, and measuring electrical, controls, mechanical, venting, air distribution, and piping systems of residential HVAC systems. The checklists also provide recommended corrective actions which the HVAC contractor shall present to the homeowner to remedy identified faults like cleaning, or adjusting, and/or replacing equipment and components on a periodic basis. This standard presumes that the HVAC system was designed, installed, and tested in accordance with original equipment manufacturer’s (OEM) instructions, applicable codes, and other industry standards.

ANS (American Nuclear Society)

Contact: *Kathryn Murdoch, (708) 579-8268, kmurdoch@ans.org*
 555 North Kensington Avenue, La Grange Park, IL 60526

BSR/ANS 2.22-201x, Environmental Radiological Monitoring at Operating Nuclear Facilities (new standard)

Stakeholders: Nuclear power plants, nuclear medicine hospitals, fuel fabrication facilities, fuel reprocessing facilities, radioactive waste disposal facilities, industrial and research facilities handling nuclear materials, Nuclear Regulatory Commission, Department of Energy (DOE), professionals, state regulatory agencies, and consultants.

Project Need: There is a need to provide consistent direction on monitoring radioactive materials in the environment (specifically ambient air, surface water, and biota) near operating nuclear facilities and to establish bases for rational decision-making regarding the design of an environmental radiological monitoring program.

This standard establishes criteria for use in developing and implementing an integrated radiological environmental monitoring program focusing on ambient air, surface water, terrestrial, and biota.

ASC X9 (Accredited Standards Committee X9, Incorporated)

Contact: *Ambria Frazier, (410) 267-7707, Ambria.frazier@x9.org*
 275 West Street, Suite 107, Annapolis, MD 21401

BSR X9.58-201X, Electronic Benefits Transfer (EBT) - Food Stamps (revision of ANSI X9.58-2010)

Stakeholders: USDA FNS, SNAP state programs, SNAP EBT processors, SNAP third-party processors, software developers, terminal manufacturers, retail grocers and their software providers.

Project Need: Standardization of the processing of SNAP EBT transactions provides cost efficiency, ease of conversion, data and reporting consistency for the SNAP program.

The standard provides all parties involved in Electronic Benefits Transfer (EBT) transactions for Food Stamps with technical specifications for exchanging financial transaction messages between an acquirer and an EBT card issuer processor. It specifies message structure, format and content, data elements and values for data elements used in the Food Stamp program. The method by which settlement takes place is not within the scope of this standard.

BSR X9.100-180-2006 (S201x), Specifications for Electronic Exchange of Check and Image Data (Non-Domestic) (stabilized maintenance of ANSI X9.100-180-2006 (R2013))

Stakeholders: Financial Services industry.

Project Need: X9.100-180 is being stabilized because there are defined records within X9.100-180 that may be in use for private use, notwithstanding that many records in common with X9.100-187 have different fields:

- Image view Analysis Record (Type 55);
- Image Test and Summary Record (Type 56);
- Credit/Reconciliation Record (Type 61);
- Digital Certificate Record (Type 64);
- Box Summary Record (Type 75).

This standard, including the normative annexes, establishes the file sequences, record types, and field formats to be used for the electronic exchange of check MICR line data, associated check processing data, check images, and optional user information in the form of cash letters.

ASME (American Society of Mechanical Engineers)

Contact: *Mayra Santiago, (212) 591-8521, ansibox@asme.org*
Two Park Avenue, New York, NY 10016-5990

BSR/ASME RAM-1-201x, Reliability, Availability, and Maintainability of Equipment and Systems in Power Plants (revision of ANSI/ASME RAM-1-2013)

Stakeholders: Power plant owners and managers.

Project Need: Update standard to reflect current practices.

This Standard provides the requirements to establish a RAM program for any power-generation facility.

ASTM (ASTM International)

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

BSR/ASTM WK63252-201x, New Test Method for Fire Resistance of Wood Utility Poles (new standard)

Stakeholders: External Fire Exposures industry.

Project Need: This proposed standard describes a uniform fire exposure to a sample wood utility pole using multiple heat transport methods, namely radiation and convection. Following the fire exposure, a constant wind source is then applied to the pole sample to expose possible smoldering on the pole, which could continue to deteriorate the pole after initial fire exposure. The char depth of the exposed pole is measured and reported.

Exposure to fire can detrimentally affect utility poles when the poles are exposed to a high-intensity wildland fire. The pole can deteriorate during and after a wildland fire passes through an area, causing potential electrical outages if the pole chars enough beyond structural stability. Additionally, the deterioration of a pole can be burdensome to utility pole providers in replacement and maintenance costs.

ESTA (Entertainment Services and Technology Association)

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

BSR/ES1.41-201x, Safe use of unmanned aerial system (UASs) during live events in indoor venues (new standard)

Stakeholders: Performers, staff, indoor-venue audience members, production companies, technical directors, project managers, venues, venue management, insurance companies, and drone providers, designers, operators, and technicians.

Project Need: Drone shows and the use of drones at live events are an emergent use case and have gained significant popularity over the last years. Like other machinery, drones can cause injury or damage when used without care. Currently, there are no standards or best practices for their use in indoor venues, giving productions, venues, and operators no guidance on how to make their events safe. This has resulted in multiple high-profile accidents, and several stakeholders establishing no-drone policies (e.g., the NBA). The suggested standard would give all parties involved in the operation of drones at live events a systematic way to evaluate the safety of their projects, and guidance on how to achieve an acceptable risk level.

The standard aims at improving safety related to the use of UASs (unmanned aerial systems) and UAVs (unmanned aerial vehicles - often called drones) at live events. The standard will cover the use of remote-controlled and autonomous, tethered and untethered UAVs (e.g., helicopters, lighter-than-air vehicles, fixed-wing vehicles). It will cover flight operations above stage and audiences. It will provide technical requirements, risk assessment methods, operational procedures, and will cover other aspects related to the use of UASs and UAVs at live events (such as maintenance, training, radio-frequency considerations, and automated system checks).

BSR/E1.64-201x, Stage Machinery Motion Control (new standard)

Stakeholders: Stage machinery control manufacturers (intelligent-control or direct-action switching); stage machinery manufacturers (SWR winches, chain hoists); operator interface (console) manufacturers of other disciplines (lighting, audio, video); performance management (technical directors, tour managers); entertainment venue consultants (rigging consultant, production designer).

Project Need: Looking at various ESTA standards and finding that the control sections, while common at a fundamental level, were not using common phrasing or approaches. Over the evolution of the Rigging Working Group, many documents have been written that include control. Each document improved on the experience and hard work of the predecessor. It seems that the time has now come to culminate this effort, vet the content, and develop a standard that can be further referenced or copied into the older documents when they come up for revision and renewal. The basics and practices of motion control technology does not change because the motor hoists a chain or a wire rope, or because the load is 150 lbs of human performer or 15,000 lbs of scoreboard. Inputs are inputs. Limits are limits. Comms are comms. An E-Stop is an E-Stop. Bringing this work together under one document will not only improve documents that have already been published, but also provide the groundwork for future standards and key into other working-group documents already in process.

To provide a common standard of design, operation, maintenance, and practices for the control of all stage machinery. The goal is to include a complete look at how stage machinery is controlled in the Entertainment Industry. The document will explore the requirements of the Operator Interface (pushbuttons, software, touch surface) and move through the wiring (data or discrete I/O) along the path to the controller (analog, digital, relay coils), through the controller output and along a second path of wiring (machine power, data, analog signals, discrete I/O) to the machine. The document will provide advice and guidance on usage of drives, contactors, emergency stop systems, cable termination, cable selection, data transmission, and operator interfaces. It may also explore or reference common communications platforms that will ultimately lead to the potential cross-platform communications between motion control operator interfaces from a variety of manufacturers as well as between motion control and other stage control disciplines such as lighting, video, and sound consoles.

BSR E1.6-2-201x, Entertainment Technology - Design, Inspection, and Maintenance of Electric Chain Hoists for the Entertainment Industry (revision of ANSI E1.6-2-2018)

Stakeholders: Theatrical rigging system manufacturers, system designers, installers, specifiers, users, and owners.

Project Need: The existing E1.6-2 standard is being opened for revision to make additional improvements to the guidance it offers, including clarification of design, inspection, and maintenance requirements.

E1.6-2 is part of the E1.6 powered entertainment rigging suite of standards. It covers the design, inspection, and maintenance of serially manufactured electric link-chain hoists having capacity of 2 tons or less and used in the entertainment industry. E1.6-2 does not cover attachment to the load or to the overhead structure or the controls used for multiple hoist operation.

MHI (Material Handling Industry)

Contact: *Patrick Davison, (704) 714-8755, pdavison@mhi.org*
8720 Red Oak Boulevard, Suite 201, Charlotte, NC 28217

BSR/MH32.1-201X, Stairs, Ladders and Open-Edge Guards for Use with Material Handling Structures (new standard)

Stakeholders: Manufacturers, distributors, regulators, and users of material handling equipment.

Project Need: Stairs, ladders, and open-edge guards are used in a variety of material handling applications and are described in several standards. Placing the requirements for such equipment in a single standard will help to provide consistency in establishing requirements.

This standard applies to fixed stairways and ladders along with guarding for elevated platforms used in material handling applications. The guidance is based on equipment anticipated to be used in an industrial or warehouse where access is limited to trained employees who are trained, equipped with appropriate personal protective equipment, physically capable, and familiar with the configuration of the equipment. The stairways and ladders would be attached to equipment such as industrial pallet racking pick modules and decked-over platforms, industrial shelving pick modules and decked-over platforms, and free-standing work platforms. This equipment is described in the ANSI MH 16.X and ANSI MH28.X series of standards. This standard is intended to serve as a reference document for other material handling equipment standards or specifications.

NEMA (ASC C37) (National Electrical Manufacturers Association)

Contact: *Gerard Winstanley, (703) 841-3231, Gerard.Winstanley@nema.org*
1300 North 17th Street, Suite 900, Rosslyn, VA 22209

BSR C37.55-201x, Standard for Switchgear Medium Voltage Metal-Clad Assemblies - Conformance Test Procedures (revision of ANSI C37.55-2003 (R2010))

Stakeholders: Utilities, manufacturers, users, contractors.

Project Need: Update the existing standard for current industry practices.

This Standard is a conformance testing standard optionally applicable to all medium-voltage metal-clad switchgear assemblies designed, tested, and manufactured in accordance with IEEE Std. C37.20.2, Metal-Clad Switchgear. This standard covers selected tests to demonstrate conformance of the basic switchgear section (which includes the structure, circuit breaker compartments, instrument compartments, buses, and internal connections) with the "Tests" clause of IEEE Std. C37.20.2. In this standard, the use of the term "MC switchgear" shall be considered to mean "metal-clad switchgear." The use of the term "circuit breaker" shall be considered to mean "indoor alternating current medium-voltage circuit breakers (rated above 1000 volts) applied as removable elements in metal-enclosed switchgear assemblies," unless qualified by other descriptive terms.

BSR C37.57-201x, Standard for Switchgear - Metal-Enclosed Interrupter Switchgear Assemblies - Conformance Testing (revision of ANSI C37.57-2003 (R2010))

Stakeholders: Utilities, manufacturers, users, contractors.

Project Need: Update the existing standard for current industry practices.

This standard is a conformance testing standard optionally applicable to all metal-enclosed interrupter switchgear assemblies designed, tested, and manufactured in accordance with ANSI/IEEE C37.20.3. The requirement of ANSI/IEEE C37.20.3 is sufficient for application of metal-enclosed interrupter switchgear assemblies, and conformance testing is not necessary to satisfy the basic requirements of that standard. Conformance testing is performed to show compliance with the basic requirements when required to satisfy special agreements or regulatory agency requirements.

NFPA (National Fire Protection Association)

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

BSR/NFPA 921-201x, Guide for Fire and Explosion Investigations (revision of ANSI/NFPA 921-2017)

Stakeholders: Manufacturers, users, research and testing, enforcer, installer maintainers, labor, insurance, consumer, special experts.

Project Need: Public interest and need.

This document is designed to assist individuals who are charged with the responsibility of investigating and analyzing fire and explosion incidents and rendering opinions as to the origin, cause, responsibility, or prevention of such incidents, and the damage and injuries which arise from such incidents.

BSR/NFPA 3000-201x, Standard for an Active Shooter/Hostile Event Response (ASHER) Program (new standard)

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

Project Need: Public interest and need.

The scope of this standard is limited to the necessary functions and actions related to preparedness, response, and recovery from an active shooter/hostile event response (ASHER). This standard applies to any community, authority having jurisdiction (AHJ), facility, and member of any organization who responds to or prepares for ASHER incidents.

NSF (NSF International)

Contact: *Jessica Evans, (734) 913-5774, jevans@nsf.org*
789 N. Dixboro Road, Ann Arbor, MI 48105-9723

BSR/NSF 496-201x, Next Generation Sequencing (new standard)

Stakeholders: Product and ingredient manufacturers, distributors, packagers, labelers, retailers, industry associations, regulators, consumer organizations, and testing laboratories.

Project Need: Establish a national standard for encompassing all areas of Next Generation Sequencing. This initiative would support standardization of Next Generation Sequencing services and enable NSF International to be at the forefront of standard development for sequencing. This standard will enable research and industry personnel to have a standardized process and quality parameters for testing in order to support experimental validity.

This Standard is intended to define a standardized approach for performing Next Generation Sequencing on a variety of sample types. It refers to the technology used with Whole Genome Sequencing, 16s and shotgun metagenomics, barcoding, RNA-SEQ, MLST and Kmer work. It will assist in the identification of bacterial communities, raw material authentication, botanical authentication, supplement adulteration, DNA authentication, and overall product safety and quality.

BSR/NSF 497-201x, Hand Hygiene Practices and Monitoring (new standard)

Stakeholders: Governmental agencies, hospitals and other healthcare providers, product and ingredient manufacturers, distributors, packagers, labelers, retailers, industry associations, regulators, consumer organizations, and testing laboratories.

Project Need: Healthcare-associated infections (HAIs) affect hundreds of millions of hospital patients worldwide every year (Allegranzi B, 2011). In the United States alone, 1 in 25 acute-care hospital patients will develop an HAI (Magill et al., 2014). According to the World Health Organization (WHO), the rate of HAIs in the U.S. is 1 in 25 patients. There is worldwide consensus on the pressing need to prevent HAIs and the spread of antibiotic resistant microorganisms in healthcare. Hand hygiene is critical for preventing the spread of infection in hospitals. The primary route of transmission of HAIs is via contamination on healthcare personnel hands, which can be combatted by proper hand hygiene (Boyce & Pittet, 2002). Thus, proper hand hygiene products, technique, and compliance are significantly important for reducing HAIs.

This Standard is intended to define a standardized approach for auditing to determine the level of compliance of hand hygiene as well as incorporating additional hand hygiene performance and training requirements. It refers to the World Health Organization (WHO) requirements for hand hygiene in healthcare. It will assist in the determination of adequate facilities and controls for hand hygiene compliance with sufficient quality to ensure suitability for intended use.

UL (Underwriters Laboratories, Inc.)

Contact: *Beth Northcott, (847) 664-3198, Elizabeth.Northcott@ul.com*
333 Pfingsten Road, Northbrook, IL 60062

BSR/UL 8800-201x, Standard for Safety for Horticultural Lighting Equipment (new standard)

Stakeholders: Lighting equipment manufacturers, agricultural stakeholders, such as farmers and flower and plant growers, consumers, AHJs.

Project Need: To obtain national recognition of a standard covering horticultural lighting and associated equipment to maintain and/or improve safety in horticultural environments.

The requirement standard apply to lighting equipment intended for use in a horticultural environment and installed in accordance with the National Electrical Code (NEC), ANSI/NFPA 70. Equipment covered by this outline of investigation is intended for horticultural lighting purposes and includes: luminaires, lampholders, wire harnesses, plugs and connectors, LED packages, ballasts/LED drivers, lamps, and hardware, and structures associated with optimizing light for growing.

VITA (VMEbus International Trade Association (VITA))

Contact: *Jing Kwok, (602) 281-4497, jing.kwok@vita.com*
929 W. Portobello Avenue, Mesa, AZ 85210

BSR/VITA 78.0-201xx, SpaceVPX System Standard (revision and redesignation of ANSI/VITA 78-2015)

Stakeholders: Manufacturers and users of VPX modules for critical embedded systems.

Project Need: Provide standard for use of OpenVPX in space systems.

Update the SpaceVPX standard to correct errata and editorial errors, reorganize the SpaceUM sections to better match other OpenVPX standards, and fix inconsistencies within the standard. Add mechanical drawings for 3U modules and for 1.6" pitch modules. Provide a more overhead-efficient 3U SpaceUM module. Define SpaceFibre as an alternate Data Plane and provide control plane access to the DAP. Provide RF and Optical options on module profiles. Add additional slot and module profiles if supported. Expand the User Guide sections to make usage easier.

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)
- 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.

<p>AAFS American Academy of Forensic Sciences 410 North 21st Street Colorado Springs, CO 80904 Phone: (719) 453-1036 Web: www.aafs.org</p>	<p>ASHRAE American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc. 1791 Tullie Circle, NE Atlanta, GA 30329 Phone: (404) 636-8400 Fax: (404) 321-5478 Web: www.ashrae.org</p>	<p>CTA Consumer Technology Association 1919 South Eads Street Arlington, VA 22202 Phone: (703) 907-7697 Fax: (703) 907-4197 Web: www.cta.tech</p>	<p>ISEA International Safety Equipment Association 1901 North Moore Street Suite 808 Arlington, VA 22209 Phone: (703) 525-1695 Fax: (703) 525-1698 Web: www.safetyequipment.org</p>
<p>ACCA Air Conditioning Contractors of America 2800 Shirlington Road Suite 300 Arlington, VA 22206 Phone: (703) 824-8868 Web: www.acca.org</p>	<p>ASME American Society of Mechanical Engineers Two Park Avenue New York, NY 10016-5990 Phone: (212) 591-8521 Fax: (212) 591-8501 Web: www.asme.org</p>	<p>EMAP Emergency Management Accreditation Program 201 Park Washington Court Falls Church, VA 22046-4527 Phone: (859) 494-0917 Web: www.emap.org</p>	<p>MHI Material Handling Industry 8720 Red Oak Boulevard Suite 201 Charlotte, NC 28217 Phone: (704) 714-8755 Fax: (704) 676-1199 Web: www.mhi.org</p>
<p>AGMA American Gear Manufacturers Association 1001 N Fairfax Street, 5th Floor Alexandria, VA 22314-1587 Phone: (703) 684-0211 Web: www.agma.org</p>	<p>ASSE (ASC A10) American Society of Safety Engineers 520 N. Northwest Hwy. Park Ridge, IL 60068 Phone: (847) 768-3475 Fax: (847) 768-3475 Web: www.asse.org</p>	<p>ESTA Entertainment Services and Technology Association 630 Ninth Avenue Suite 609 New York, NY 10036-3748 Phone: (212) 244-1505 Fax: (212) 244-1502 Web: www.esta.org</p>	<p>NEMA (ASC C37) National Electrical Manufacturers Association 1300 North 17th Street Suite 900 Rosslyn, VA 22209 Phone: (703) 841-3231 Fax: (703) 841-3331 Web: www.nema.org</p>
<p>AIAA American Institute of Aeronautics and Astronautics 12700 Sunrise Valley Drive, Suite 200 Reston, VA 20191-5807 Phone: (703) 264-7546 Web: www.aiaa.org</p>	<p>ASSE (Safety) American Society of Safety Engineers 520 N. Northwest Highway Park Ridge, IL 60068 Phone: (847) 768-3411 Fax: (847) 296-9221 Web: www.asse.org</p>	<p>HL7 Health Level Seven 3300 Washtenaw Avenue Suite 227 Ann Arbor, MI 48104 Phone: (734) 677-7777 Fax: (734) 677-6622 Web: www.hl7.org</p>	<p>NFPA National Fire Protection Association One Batterymarch Park Quincy, MA 02169 Phone: (617) 984-7246 Web: www.nfpa.org</p>
<p>ANS American Nuclear Society 555 North Kensington Avenue La Grange Park, IL 60526 Phone: (708) 579-8268 Fax: (708) 579-8248 Web: www.ans.org</p>	<p>ASTM ASTM International 100 Barr Harbor Drive West Conshohocken, PA 19428-2959 Phone: (610) 832-9744 Fax: (610) 834-3683 Web: www.astm.org</p>	<p>HPS (ASC N43) Health Physics Society 1313 Dolley Madison Blvd #402 McLean, VA 22101 Phone: (703) 790-1745 Fax: (703) 790-2672 Web: www.hps.org</p>	<p>NSF NSF International 789 N. Dixboro Road Ann Arbor, MI 48105-9723 Phone: (734) 913-5774 Web: www.nsf.org</p>
<p>ASA (ASC S1) Acoustical Society of America 1305 Walt Whitman Road Suite 300 Melville, NY 11747 Phone: (631) 390-0215 Fax: (631) 923-2875 Web: www.acousticalsociety.org</p>	<p>ATIS Alliance for Telecommunications Industry Solutions 1200 G Street NW Suite 500 Washington, DC 20005 Phone: (202) 434-8840 Web: www.atis.org</p>	<p>IEEE Institute of Electrical and Electronics Engineers (IEEE) 445 Hoes Lane Piscataway, NJ 08854 Phone: (732) 562-3854 Fax: (732) 796-6966 Web: www.ieee.org</p>	<p>RESNA Rehabilitation Engineering and Assistive Technology Society of North America 1560 Wilson Blvd. Suite 850 Arlington, VA 22209-1903 Phone: (703) 524-6686 Fax: (703) 524-6686 Web: www.resna.org</p>
<p>ASA (ASC S12) Acoustical Society of America 1305 Walt Whitman Rd Suite 300 Melville, NY 11747 Phone: (631) 390-0215 Fax: (631) 923-2875 Web: www.acousticalsociety.org</p>	<p>AWWA American Water Works Association 6666 W. Quincy Ave. Denver, CO 80235 Phone: (303) 347-6178 Fax: (303) 795-7603 Web: www.awwa.org</p>	<p>IES Illuminating Engineering Society 120 Wall Street, Floor 17 New York, NY 10005 Phone: (917) 913-0027 Web: www.ies.org</p>	<p>RVIA Recreational Vehicle Industry Association 1896 Preston White Drive P.O. Box 2999 Reston, VA 20191-4363 Phone: (703) 620-6003 Web: www.rvia.org</p>
<p>ASC X9 Accredited Standards Committee X9, Incorporated 275 West Street Suite 107 Annapolis, MD 21401 Phone: (410) 267-7707 Web: www.x9.org</p>			

TCIA (ASC A300)

Tree Care Industry Association
136 Harvey Rd # 101
Londonderry, NH 03053
Phone: (603) 314-5380
Fax: (603) 314-5386
Web: www.treecareindustry.org

TIA

Telecommunications Industry
Association
1320 North Courthouse Road
Suite 200
Arlington, VA 22201
Phone: (703) 907-7706
Fax: (703) 907-7727
Web: www.tiaonline.org

UL

Underwriters Laboratories, Inc.
333 Pfingsten Road
Northbrook, IL 60062
Phone: (847) 664-3198
Fax: (847) 664-3198
Web: www.ul.com

VITA

VMEbus International Trade
Association (VITA)
929 W. Portobello Avenue
Mesa, AZ 85210
Phone: (602) 281-4497
Web: www.vita.com



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

AGRICULTURAL FOOD PRODUCTS (TC 34)

ISO/DIS 15216-2, Microbiology of the food chain - Horizontal method for determination of hepatitis A virus and norovirus in food using real-time RT-PCR - Part 2: Method for detection - 5/24/2018, \$112.00

AIR QUALITY (TC 146)

ISO/DIS 22065, Workplace air - Procedures for measuring gases and vapours using pumped samplers - Requirements and test methods - 5/26/2018, \$112.00

CLEANROOMS AND ASSOCIATED CONTROLLED ENVIRONMENTS (TC 209)

ISO/DIS 14644-16, Cleanrooms and associated controlled environments - Part 16: Code of practice for improving energy efficiency in cleanrooms and clean air devices - 5/25/2018, \$112.00

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

ISO/DIS 20776-1, Susceptibility testing of infectious agents and evaluation of performance of antimicrobial susceptibility test devices - Part 1: Broth micro-dilution reference method for testing the in vitro activity of antimicrobial agents against rapidly growing aerobic bacteria involved in infectious diseases - 7/20/2018, \$77.00

DENTISTRY (TC 106)

ISO/DIS 16202-1, Dentistry - Nomenclature of oral anomalies - Part 1: Code for the representation of oral anomalies - 5/28/2018, \$29.00

ISO/DIS 16202-2, Dentistry - Nomenclature of oral anomalies - Part 2: Developmental anomalies of teeth - 5/28/2018, \$40.00

DIMENSIONAL AND GEOMETRICAL PRODUCT SPECIFICATIONS AND VERIFICATION (TC 213)

ISO 16610-61/DAmD1, Geometrical product specification (GPS) - Filtration - Part 61: Linear areal filters - Gaussian filters - Amendment 1 - 7/26/2018, \$33.00

ISO/DIS 10360-5, Geometrical product specifications (GPS) - Acceptance and reverification tests for coordinate measuring systems (CMS) - Part 5: CMMs using single and multiple stylus contacting probing systems using discrete point and/or scanning measuring mode - 7/22/2018, \$107.00

EQUIPMENT FOR FIRE PROTECTION AND FIRE FIGHTING (TC 21)

ISO/DIS 7203-3, Fire extinguishing media - Foam concentrates - Part 3: Specification for low-expansion foam concentrates for top application to water-miscible liquids - 7/16/2018, \$107.00

FLUID POWER SYSTEMS (TC 131)

ISO 16889/DAmD1, Hydraulic fluid power - Filters - Multi-pass method for evaluating filtration performance of a filter element - Amendment 1 - 5/25/2018, \$29.00

GEOGRAPHIC INFORMATION/GEOMATICS (TC 211)

ISO 19150-2/DAmD1, Geographic information - Ontology - Part 2: Rules for developing ontologies in the Web Ontology Language (OWL) - Amendment 1 - 7/22/2018, \$33.00

GEOSYNTHETICS (TC 221)

ISO/DIS 10722, Geosynthetics - Index test procedure for the evaluation of mechanical damage under repeated loading - Damage caused by granular material (Laboratory test method) - 5/24/2018, \$46.00

HYDROGEN ENERGY TECHNOLOGIES (TC 197)

ISO/DIS 19880-5, Gaseous hydrogen - Fueling stations - Part 5: Hoses and hose assemblies - 5/24/2018, \$82.00

IMPLANTS FOR SURGERY (TC 150)

ISO/DIS 14117, Active implantable medical devices - Electromagnetic compatibility - EMC test protocols for implantable cardiac pacemakers, implantable cardioverter defibrillators and cardiac resynchronization devices - 5/28/2018, \$175.00

ISO/DIS 14708-2, Implants for surgery - Active implantable medical devices - Part 2: Cardiac pacemakers - 5/28/2018, \$134.00

ISO/DIS 14708-6, Implants for surgery - Active implantable medical devices - Part 6: Particular requirements for active implantable medical devices intended to treat tachyarrhythmia (including implantable defibrillators) - 5/28/2018, \$146.00

INFORMATION AND DOCUMENTATION (TC 46)

ISO/DIS 8, Information and documentation - Presentation and identification of periodicals - 5/24/2018, \$82.00

MEDICAL DEVICES FOR INJECTIONS (TC 84)

ISO/DIS 20069, Guidance for assessment and evaluation of changes to drug delivery systems - 7/21/2018, \$102.00

NON-DESTRUCTIVE TESTING (TC 135)

ISO/DIS 21432, Non-destructive testing - Standard test method for determining residual stresses by neutron diffraction - 5/25/2018, \$112.00

NUCLEAR ENERGY (TC 85)

ISO/DIS 9463, Nuclear energy - Nuclear fuel technology - Determination of plutonium in nitric acid solutions by spectrophotometry - 5/28/2018, \$58.00

OPTICS AND OPTICAL INSTRUMENTS (TC 172)

ISO/DIS 19056-2, Microscopes - Definition and measurement of illumination properties - Part 2: Illumination properties related to the colour in bright field microscopy - 7/22/2018, \$40.00

ISO/DIS 10110-12, Optics and photonics - Preparation of drawings for optical elements and systems - Part 12: Aspheric surfaces - 7/19/2018, \$88.00

PERSONAL SAFETY - PROTECTIVE CLOTHING AND EQUIPMENT (TC 94)

ISO/DIS 16972, Respiratory protective devices - Definitions of terms and pictograms - 5/26/2018, \$98.00

PLASTICS (TC 61)

ISO/DIS 21746, Composites and metal assemblies - Galvanic corrosion tests of carbon fibre reinforced plastics (CFRPs) related bonded or fastened structures in artificial atmospheres - Salt spray tests - 5/24/2018, \$82.00

QUALITY MANAGEMENT AND CORRESPONDING GENERAL ASPECTS FOR MEDICAL DEVICES (TC 210)

ISO/DIS 18250-6, Connectors for reservoir delivery systems for healthcare applications - Part 6: Neural applications - 5/28/2018, \$46.00

RUBBER AND RUBBER PRODUCTS (TC 45)

ISO/DIS 815-1, Rubber, vulcanized or thermoplastic - Determination of compression set - Part 1: At ambient or elevated temperatures - 5/28/2018, \$62.00

ISO/DIS 815-2, Rubber, vulcanized or thermoplastic - Determination of compression set - Part 2: At low temperatures - 5/28/2018, \$71.00

SHIPS AND MARINE TECHNOLOGY (TC 8)

ISO/DIS 6218, Inland navigation vessels - Manually- and power-operated coupling devices for rope connections of pushing units and coupled vessels - Safety requirements and main dimensions - 7/23/2018, \$71.00

ISO/DIS 21792, Ships and marine technology - Navigation and ship operations - Guideline for onboard telephone equipment - 7/26/2018, \$71.00

ISO/DIS 29400, Ships and marine technology - Offshore wind energy - Port and marine operations - 7/21/2018, \$203.00

ISO/DIS 24409-1, Ships and marine technology - Design, location and use of shipboard safety signs, fire control plan signs, safety notices and safety markings - Part 1: Design principles - 5/27/2018, \$77.00

SURFACE CHEMICAL ANALYSIS (TC 201)

ISO/DIS 20903, Surface chemical analysis - Auger electron spectroscopy and X-ray photoelectron spectroscopy - Methods used to determine peak intensities and information required when reporting results - 7/21/2018, \$71.00

TEXTILES (TC 38)

ISO/DIS 1833-10, Textiles - Quantitative chemical analysis - Part 10: Mixtures of triacetate or polylactide with certain other fibres (method using dichloromethane) - 7/20/2018, \$29.00

ISO/DIS 1833-21, Textiles - Quantitative chemical analysis - Part 21: Mixtures of chlorofibres, certain modacrylics, certain elastanes, acetates, triacetates with certain other fibres (method using cyclohexanone) - 7/21/2018, \$33.00

THERMAL INSULATION (TC 163)

ISO/DIS 17738-2, Thermal insulation products - Exterior insulation and finish systems (EIFS) - Part 2: Installation - 5/24/2018, \$82.00

TIMBER STRUCTURES (TC 165)

ISO/DIS 22390, Timber structures - Laminated veneer lumber - Structural properties - 7/26/2018, \$46.00

ISO/DIS 22389-2, Timber structures - Bending applications of I-beams - Part 2: Component performance and manufacturing requirements - 7/26/2018, \$46.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 10373-6/DAMd1, Identification cards - Test methods - Part 6: Proximity cards - Amendment 1: Frame with error correction - 5/24/2018, \$46.00

ISO/IEC 24800-6/DAMd1, Information technology - JPSearch - Part 6: Reference software - Amendment 1: Reference software for JPSearch and JPOnto - 5/24/2018, \$29.00

ISO/IEC DIS 10373-7, Identification cards - Test methods - Part 7: Vicinity cards - 7/21/2018, \$119.00

ISO/IEC DIS 20547-3, Information technology - Big data reference architecture - Part 3: Reference architecture - 7/20/2018, \$119.00

IEC Standards

AC/16/2018, ISO/IEC CD Guide 59, Code of good practice for standardization for national bodies of ISO and IEC, 2018/6/29

1/2358/CD, IEC 60050-195 ED2: International Electrotechnical Vocabulary - Part 195: Earthing and protection against electric shock, 2018/7/27

2/1906/FDIS, IEC 60034-14 ED4: Rotating electrical machines - Part 14: Mechanical vibration of certain machines with shaft heights 56 mm and higher - Measurement, evaluation and limits of vibration severity, 2018/6/15

3/1357/CDV, IEC 61293 ED2: Marking of electrical equipment with ratings related to electrical supply - Safety requirements, 2018/7/27

- 7/676/CD, IEC TR 61597 ED2: Overhead electrical conductors - Calculation methods for stranded bare conductors, 2018/7/27
- 9/2412/FDIS, IEC 62888-5 ED1: Railway applications - Energy measurement on board trains - Part 5: Conformance test, 2018/6/15
- 10/1058/CDV, IEC 60480 ED3: Specification for re-use of SF6 and its mixtures in electrical equipment, 2018/7/27
- 14/964/FDIS, IEC 60076-11 ED2: Power transformers - Part 11: Dry-type transformers, 2018/6/15
- 17A/1183/CD, IEC/IEEE 62271-37-013 ED2: High-voltage switchgear and controlgear - Part 37-013: Alternating-current generator circuit-breakers, 2018/7/27
- 31/1382/Q, New title and task for IEC/TC 31/ WG 37 Electrochemical cells and batteries, 2018/6/15
- 44/819/FDIS, IEC 60204-11 ED2: Safety of machinery - Electrical equipment of machines - Part 11: Requirements for equipment for voltages above 1 000 V AC or 1 500 V DC and not exceeding 36 kV, 2018/6/15
- 45/849/CD, IEC 63048 ED1: Mobile unmanned automated systems for nuclear and radiological applications - General requirements, 2018/7/27
- 46F/415/CD, IEC 63185 ED1: Balanced-type circular disk resonator method to measure the complex permittivity of low-loss dielectric substrates, 2018/7/27
- 46F/416/CD, IEC TS 61169-1-51 ED1: Radio frequency connectors - Part 1-51: Uncertainty specification of frequency domain test for return loss, 2018/7/27
- 46F/418/CD, IEC 61169-63 ED1: Radio frequency connectors - Part 63: Sectional specification - RF coaxial connectors with inner diameter of outer conductor 6,5 mm (0,256 in) with bayonet lock - Characteristic impedance 75 ohms (type BNC), 2018/7/27
- 47/2482/FDIS, IEC 62435-6 ED1: Electronic components - Long-term storage of electronic semiconductor devices - Part 6: Packaged or finished devices, 2018/6/15
- 47E/602/CDV, IEC 60747-16-6 ED1: Semiconductor devices - Part 16-6: Microwave integrated circuits - Frequency multipliers, 2018/7/27
- 56/1775/FDIS, IEC 60812 ED3: Failure modes and effects analysis (FMEA and FMECA), 2018/6/15
- 62D/1587/CDV, IEC 60601-2-83 ED1: Medical electrical equipment - Part 2-83: Particular requirements for the basic safety and essential performance of home light therapy equipment, 2018/7/27
- 65/697/CD, IEC TS 62872 ED2: Industrial-process measurement, control and automation system interface between industrial facilities and the smart grid, 2018/6/29
- 65C/924/FDIS, IEC 61784-5-X ED4: Industrial communication networks - Profiles - Part 5-x: Installation of fieldbuses - Installation profiles for CPF x, 2018/6/15
- 86A/1867/FDIS, IEC 60794-4-20 ED2: Optical fibre cables - Part 4-20: Aerial optical cables along electrical power lines - Family specification for ADSS (all dielectric self-supported) optical cables, 2018/6/15
- 110/981/CD, IEC 62906-5-5 ED1: Laser display devices - Part 5-5: Optical measuring methods of raster-scanning retina direct projection devices, 2018/6/29
- 113/426/CD, IEC TS 62607-6-5 Ed.1.0: Nanomanufacturing - Key control characteristics Part 6-5: Two-dimensional materials - Measurement of contact and sheet resistance of 2D materials by transfer line measurement, 2018/6/29
- 113/427/CD, IEC TS 62565-1 ED1: Nanomanufacturing - Material specifications, Part 1 - Basic concept, 2018/6/29
- 119/222/CD, IEC 62899-202-7 ED1: Printed electronics - Part 202-7: Materials - Conductive ink - Measurement of peel strength for printed conductive layer on flexible substrate, 2018/7/27
- 122/60/DTS, IEC TS 63042-101 ED1: UHV AC transmission systems - Part 101: Voltage regulation and insulation design for UHV AC transmission systems, 2018/7/27
- SyCSmartCities/42/NP, PNW SYCSMARTCITIES-42: Smart Cities Reference Architecture (SCRA), 018/6/1/
- JTC1-SC25/2804/CD, ISO/IEC TR 29106/AMD2 ED1: Information technology - Generic cabling - Introduction to the MICE environmental classification, 2018/7/27



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

AGRICULTURAL FOOD PRODUCTS (TC 34)

[ISO 5496/Amd1:2018](#), Sensory analysis - Methodology - Initiation and training of assessors in the detection and recognition of odours - Amendment 1, \$19.00

CAST IRON AND PIG IRON (TC 25)

[ISO 1083:2018](#), Spheroidal graphite cast irons - Classification, \$185.00

EDUCATIONAL ORGANIZATIONS MANAGEMENT SYSTEMS - REQUIREMENTS WITH GUIDANCE FOR USE (TC 288)

[ISO 21001:2018](#), Educational organizations - Management systems for educational organizations - Requirements with guidance for use, \$209.00

EQUIPMENT FOR FIRE PROTECTION AND FIRE FIGHTING (TC 21)

[ISO 7240-5:2018](#), Fire detection and fire alarm systems - Part 5: Point type heat detectors, \$162.00

ESSENTIAL OILS (TC 54)

[ISO 4730/Amd1:2018](#), Essential oil of Melaleuca, terpinen-4-ol type (Tea Tree oil) - Amendment 1: Enantiomeric distribution, \$19.00

FIRE SAFETY (TC 92)

[ISO 1716:2018](#), Reaction to fire tests for products - Determination of the gross heat of combustion (calorific value), \$162.00

INDUSTRIAL AUTOMATION SYSTEMS AND INTEGRATION (TC 184)

[ISO 8000-2/Amd1:2018](#), Data quality - Part 2: Vocabulary - Amendment 1, \$19.00

MINING (TC 82)

[ISO 19426-1:2018](#), Structures for mine shafts - Part 1: Vocabulary, \$45.00

[ISO 19426-2:2018](#), Structures for mine shafts - Part 2: Headframe structures, \$103.00

[ISO 19426-3:2018](#), Structures for mine shafts - Part 3: Sinking stages, \$138.00

[ISO 19426-4:2018](#), Structures for mine shafts - Part 4: Conveyances, \$162.00

[ISO 19426-5:2018](#), Structures for mine shafts - Part 5: Shaft system structures, \$185.00

PLASTICS (TC 61)

[ISO 20558-1:2018](#), Plastics - Poly(phenylene sulfide) (PPS) moulding and extrusion materials - Part 1: Designation system and basis for specifications, \$68.00

[ISO 20558-2:2018](#), Plastics - Poly(phenylene sulfide) (PPS) moulding and extrusion materials - Part 2: Preparation of test specimen and determination of properties, \$45.00

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

[ISO 10468:2018](#), Glass-reinforced thermosetting plastics (GRP) pipes - Determination of the ring creep properties under wet or dry conditions, \$68.00

STEEL (TC 17)

[ISO 17832:2018](#), Non-parallel steel wire and cords for tyre reinforcement, \$103.00

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

[ISO 17423:2018](#), Intelligent transport systems - Cooperative systems - Application requirements and objectives, \$162.00

ISO Technical Reports

DIMENSIONAL AND GEOMETRICAL PRODUCT SPECIFICATIONS AND VERIFICATION (TC 213)

[ISO/TR 23605:2018](#), Technical product specification (TPS) - Application guidance - International model for national implementation, \$162.00

ISO Technical Specifications

PAINTS AND VARNISHES (TC 35)

[ISO/TS 19392-1:2018](#), Paints and varnishes - Coating systems for wind-turbine rotor blades - Part 1: Minimum requirements and weathering, \$68.00

[ISO/TS 19392-2:2018](#), Paints and varnishes - Coating systems for wind-turbine rotor blades - Part 2: Determination and evaluation of resistance to rain erosion using rotating arm, \$68.00

[ISO/TS 19392-3:2018](#), Paints and varnishes - Coating systems for wind-turbine rotor blades - Part 3: Determination and evaluation of resistance to rain erosion using water jet, \$68.00

VACUUM TECHNOLOGY (TC 112)

[ISO/TS 20175:2018](#), Vacuum technology - Vacuum gauges - Characterization of quadrupole mass spectrometers for partial pressure measurement, \$138.00

ISO/IEC JTC 1, Information Technology

[ISO/IEC 23006-1:2018](#), Information technology - Multimedia service platform technologies - Part 1: Architecture, \$138.00

IEC Standards

CAPACITORS AND RESISTORS FOR ELECTRONIC EQUIPMENT (TC 40)

[IEC 60939-3 Ed. 1.0 b cor.2:2018](#), Corrigendum 2 - Passive filter units for electromagnetic interference suppression - Part 3: Passive filter units for which safety tests are appropriate, \$0.00

INSULATORS (TC 36)

[IEC 60137 Ed. 7.0 b cor.1:2018](#), Corrigendum 1 - Insulated bushings for alternating voltages above 1 000 V, \$0.00

LAMPS AND RELATED EQUIPMENT (TC 34)

[IEC 62442-1 Ed. 2.0 b:2018](#), Energy performance of lamp controlgear - Part 1: Controlgear for fluorescent lamps - Method of measurement to determine the total input power of controlgear circuits and the efficiency of controlgear, \$164.00

[IEC 62442-2 Ed. 2.0 b:2018](#), Energy performance of lamp controlgear - Part 2: Controlgear for high intensity discharge lamps (excluding fluorescent lamps) - Method of measurement to determine the efficiency of controlgear, \$82.00

[IEC 62442-3 Ed. 2.0 b:2018](#), Energy performance of lamp controlgear - Part 3: Controlgear for tungsten-halogen lamps and LED light sources - Method of measurement to determine the efficiency of controlgear, \$82.00

[S+ IEC 62442-1 Ed. 2.0 en:2018 \(Redline version\)](#), Energy performance of lamp controlgear - Part 1: Controlgear for fluorescent lamps - Method of measurement to determine the total input power of controlgear circuits and the efficiency of controlgear, \$213.00

[S+ IEC 62442-2 Ed. 2.0 en:2018 \(Redline version\)](#), Energy performance of lamp controlgear - Part 2: Controlgear for high intensity discharge lamps (excluding fluorescent lamps) - Method of measurement to determine the efficiency of controlgear, \$107.00

[S+ IEC 62442-3 Ed. 2.0 en:2018 \(Redline version\)](#), Energy performance of lamp controlgear - Part 3: Controlgear for tungsten-halogen lamps and LED light sources - Method of measurement to determine the efficiency of controlgear, \$107.00

MARITIME NAVIGATION AND RADIOCOMMUNICATION EQUIPMENT AND SYSTEMS (TC 80)

[IEC 61162-450 Ed. 2.0 en:2018](#), Maritime navigation and radiocommunication equipment and systems - Digital interfaces - Part 450: Multiple talkers and multiple listeners - Ethernet interconnection, \$352.00

[IEC 61162-460 Ed. 2.0 b:2018](#), Maritime navigation and radiocommunication equipment and systems - Digital interfaces - Part 460: Multiple talkers and multiple listeners - Ethernet interconnection - Safety and security, \$352.00

[S+ IEC 61162-450 Ed. 2.0 en:2018 \(Redline version\)](#), Maritime navigation and radiocommunication equipment and systems - Digital interfaces - Part 450: Multiple talkers and multiple listeners - Ethernet interconnection, \$457.00

[S+ IEC 61162-460 Ed. 2.0 en:2018 \(Redline version\)](#), Maritime navigation and radiocommunication equipment and systems - Digital interfaces - Part 460: Multiple talkers and multiple listeners - Ethernet interconnection - Safety and security, \$457.00

NUCLEAR INSTRUMENTATION (TC 45)

[IEC 62988 Ed. 1.0 b:2018](#), Nuclear power plants - Instrumentation and control systems important to safety - Selection and use of wireless devices, \$117.00

PRINTED ELECTRONICS (TC 119)

[IEC 62899-302-2 Ed. 1.0 en:2018](#), Printed electronics - Part 302-2: Equipment - Inkjet - Imaging-based measurement of droplet volume, \$117.00

[IEC 62899-303-1 Ed. 1.0 en:2018](#), Printed electronics - Part 303-1: Equipment - Roll-to-roll printing - Mechanical dimensions, \$47.00

SEMICONDUCTOR DEVICES (TC 47)

[IEC 62969-3 Ed. 1.0 b:2018](#), Semiconductor devices - Semiconductor interface for automotive vehicles - Part 3: Shock driven piezoelectric energy harvesting for automotive vehicle sensors, \$164.00

IEC Technical Specifications

PROCESS MANAGEMENT FOR AVIONICS (TC 107)

[IEC/TS 62647-4 Ed. 1.0 en:2018](#), Process management for avionics - Aerospace and defence electronic systems containing lead-free solder - Part 4: Ball grid array (BGA) re-balling, \$281.00

SOLAR PHOTOVOLTAIC ENERGY SYSTEMS (TC 82)

[IEC/TS 62915 Ed. 1.0 en:2018](#), Photovoltaic (PV) modules - Type approval, design and safety qualification - Retesting, \$235.00

Registration of Organization Names in the United States

The Procedures for Registration of Organization Names in the United States of America (document ISSB 989) require that alphanumeric organization names be subject to a 90-day Public Review period prior to registration. For further information, please contact the Registration Coordinator at (212) 642-4975.

The following is a list of alphanumeric organization names that have been submitted to ANSI for registration. Alphanumeric names appearing for the first time are printed in bold type. Names with confidential contact information, as requested by the organization, list only public review dates.

PUBLIC REVIEW

Antech Imaging Services

Public Review: March 9 to June 1, 2018

South Carolina Law Enforcement Division (SLED)

Public Review: April 27 to July 23, 2018

NOTE: Challenged alphanumeric names are underlined. The Procedures for Registration provide for a challenge process, which follows in brief. For complete details, see Section 6.4 of the Procedures.

A challenge is initiated when a letter from an interested entity is received by the Registration Coordinator. The letter shall identify the alphanumeric organization name being challenged and state the rationale supporting the challenge.

A challenge fee shall accompany the letter. After receipt of the challenge, the alphanumeric organization name shall be marked as challenged in the Public Review list. The Registration Coordinator shall take no further action to register the challenged name until the challenge is resolved among the disputing parties.

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 AN 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

Reaccreditation

Compressed Gas Association, Inc. (CGA)

Comment Deadline: June 11, 2018

The Compressed Gas Association, Inc. (CGA), an ANSI member and Accredited Standards Developer, has submitted revisions to its currently accredited operating procedures for documenting consensus on CGA-sponsored American National Standards, under which it was last reaccredited in 2016. As the current revisions appear to be substantive in nature, the reaccreditation process is initiated.

To obtain a copy of the revised procedures or to offer comments, please contact: Ms. Kristy Mastromichalis, Committee Project Manager, Compressed Gas Association, 14501 George Carter Way, Suite 103, Chantilly, VA 20151; phone: 703.788.2728; e-mail: Kmastromichalis@cagnet.com. You may view/download a copy of the revisions during the public review period at the following URL: www.ansi.org/accredPR. Please submit any public comments on the revised procedures to CGA by June 11, 2018, with a copy to the ExSC Recording Secretary in ANSI's New York Office (jthomps@ANSI.org).

Health Level Seven (HL7)

Comment Deadline: June 11, 2018

Health Level Seven (HL7), an ANSI member and Accredited Standards Developer, has submitted revisions to its currently accredited operating procedures for documenting consensus on HL7-sponsored American National Standards, under which it was last reaccredited in 2015. As the current revisions appear to be substantive in nature, the reaccreditation process is initiated.

To obtain a copy of the revised procedures or to offer comments, please contact: Ms. Karen Van Hentenryck, Associate Executive Director, Health Level Seven, 3300 Washtenaw Avenue, Suite 227, Ann Arbor, MI 48104; phone: 734.677.7777; e-mail: karenvan@HL7.org. You may view/download a copy of the revisions during the public review period at the following URL: www.ansi.org/accredPR. Please submit any public comments on the revised procedures to HL7 by June 11, 2018, with a copy to the ExSC Recording Secretary in ANSI's New York Office (jthompso@ANSI.org).

U.S. Technical Advisory Groups

Reaccreditation

U.S. TAG to ISO TC 67 – Materials, Equipment and Offshore Structures for Petroleum, Petrochemical and Natural Gas Industries

Comment Deadline: June 11, 2018

The U.S. Technical Advisory Group (TAG) to ISO Technical Committee 67, Materials, Equipment and Offshore Structures for Petroleum, Petrochemical and Natural Gas Industries, has submitted to ANSI revisions to the procedures under which it was last reaccredited in 2008. As the revisions appear to be substantive in nature, the reaccreditation process is initiated.

To obtain a copy of the revised procedures or to offer comments, please contact the TAG Administrator to the US TAG to ISO TC 67: Mr. Roland Goodman, Manager, Upstream Standards, American Petroleum Institute, 1220 L Street, NW, Washington, DC 20005-4070; phone: 202.682.8571; e-mail: Goodmanr@api.org. You may view/download a copy of the revisions during the public review period at the following URL: www.ansi.org/accredPR. Please submit any public comments on the revised procedures to API by June 11, 2018, with a copy to the ExSC Recording Secretary in ANSI's New York Office (jthompso@ANSI.org).

Information Concerning

ANSI Accreditation Program for Greenhouse Gas Validation/Verification Bodies

Reaccreditation

SCS Global Services

Comment Deadline: June 11, 2018

In accordance with the following ISO standards: ISO 14065:2013 *Greenhouse gases - Requirements for greenhouse gas validation and verification bodies for use in accreditation or other forms of recognition*

SCS Global Services
Diana Kirsanova Phillips
2000 Powell Street, Suite 600,
Emeryville, CA 94608
Phone: (510) 452-8000
E-mail: dkirsanovaphillips@scsglobalservices.com

On May 1, 2018, ANSI's Greenhouse Gas Validation/Verification Body Accreditation Committee granted SCS Global Services reaccreditation for the following:

Activity and Scope:

Verification of assertions related to GHG emissions and removals at the organizational level:

- 01 – General
- 02 – Manufacturing
- 03 – Power Generation
- 08 – Oil and gas extraction, production and refining including petrochemicals
- 09 – Waste
- 10 – Agriculture, Forestry and Other Land Use (AFOLU)

Validation of assertions related to GHG emission reductions and removals at the project level:

- 1 – GHG emission reductions from fuel combustion
- 2 – GHG emissions reductions from industrial processes (non-combustion, chemical reaction, fugitive and other)
- 3 – Land Use and Forestry

Verification of assertions related to GHG emissions reductions and removals at the project level:

- 1 – GHG emission reductions from fuel combustion
- 2 – GHG emissions reductions from industrial processes (non-combustion, chemical reaction, fugitive and other)
- 3 – Land Use and Forestry
- 6 – Waste Handling and Disposal

Please send your comments by June 11, 2018 to Ann Howard, Director, Environmental Accreditation Programs, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293-9287 or e-mail: ahoward@ansi.org.



**BSR/ASHRAE Addendum a to
ANSI/ASHRAE Standard 52.2-2017**

Public Review Draft

Proposed Addendum a to Standard 52.2, Method of Testing General Ventilation Air Cleaning Devices for Removal Efficiency by Particle Size

**First Public Review (May 2018)
(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 ASHRAE of any product, service, process, procedure, or design, and ASHRAE expressly disclaims such.

© 2018 ASHRAE. This draft is covered under ASHRAE copyright. Permission to reproduce or redistribute all or any part of this document must be obtained from the ASHRAE Manager of Standards, 1791 Tullie Circle, NE, Atlanta, GA 30329. Phone: 404-636-8400, Ext. 1125. Fax: 404-321-5478. E-mail: standards.section@ashrae.org.

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

BSR/ASHRAE Addendum a to ANSI/ASHRAE Standard 52.2-2017, *Method of Testing General Ventilation Air Cleaning Devices for Removal Efficiency by Particle Size*
First Public Review Draft

(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

Since a psychrometric chart is difficult to read and acceptable equations exist and are easy to program, we are deleting Figure 9-2 and adding the equations to the text.

[Note to Reviewers: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~striketrough~~ (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 a to 52.2-2017

Modify the standard as follows (IP and SI Units)

9. MEASUREMENT OF RESISTANCE VERSUS AIRFLOW

9.1 Install the device in the test duct.

9.2 Establish and record airflow rates measured by the flow nozzle. Refer to Figure 9-1. For the purposes of this standard, airflow rate shall be defined by the following equations ³⁶:

$$Q = 1.1107 \times 10^{-6} CD^2 \{\Delta P / [\rho(1 - \beta^4)]\}^{0.5} \quad (\text{SI units})$$

$$Q = 5.9863 \times CD^2 \{\Delta P / (\rho[1 - \beta^4])\}^{0.5} \quad (\text{I-P units})$$

where

Q = test airflow rate, m³/s (cfm)

C = coefficient of discharge = $0.9975 - 6.53 \text{ Re}^{-0.5}$

D = nozzle throat diameter, mm (in.)

W = duct width, mm (in.)

β = D/W

ΔP = nozzle pressure drop, Pa (in. of water)

ρ = humid air density at nozzle inlet, kg/m³ (lb/ft³) (Refer to ~~Figure Section 9-32~~ Figure Section 9-32 for calculation method in accordance with Reference 1 ~~the value in accordance with Section 9 [Reference 11].~~)

μ = humid air dynamic viscosity; for the purposes of this standard, it is a constant: $1.817 \times 10^{-5} \text{ N}\cdot\text{s}/\text{m}^2$ ($1.22 \times 10^{-5} \text{ lb}_m/\text{ft}\cdot\text{s}$)

$\text{Re} = K_R \rho Q / \mu D = K_R \rho Q / D$, where $K_R = 5.504 \times 10^7$ (16,393)

9.3 The humid air density at the nozzle inlet is governed by the properties of the air at the inlet to the test duct and the air resistance devices upstream of the nozzle inlet.

9.3.1 Density of Duct Inlet Air: The humid density of the air entering the test duct is dependent on the wet bulb temperature, the dry bulb temperature, and the barometric pressure at the air inlet.

The saturated vapor pressure, P_{e_s} , at the inlet wet-bulb temperature is:

$$P_{e_s} = 3.253 t_{wo}^2 - 1.86 t_{wo} + 692 \quad \text{Pa (SI)}$$

BSR/ASHRAE Addendum a to ANSI/ASHRAE Standard 52.2-2017, *Method of Testing General Ventilation Air Cleaning Devices for Removal Efficiency by Particle Size*
First Public Review Draft

$$P_e = 2.96E-4(t_{wo})^2 - 1.59E-2(t_{wo}) + 0.41 \quad (\text{I-P})$$

Where

P_e = Saturated vapor pressure at t_{wo} , Pa (in. Hg)

t_{wo} = Wet-bulb temperature of duct inlet air, °C (°F)

The partial vapor pressure, P_p , is:

$$P_p = P_e - P_b((t_{do} - t_{wo})/1500) \quad (\text{SI})$$

$$P_p = P_e - P_b((t_{do} - t_{wo})/2700) \quad (\text{I-P})$$

Where

P_b = Corrected Barometric Pressure at duct inlet, Pa (in. HG)

t_{do} = dry bulb temperature of duct inlet air, °C (°F)

t_{wo} = wet bulb temperature of duct inlet air, °C (°F)

The density of the duct inlet air, ρ_o , is:

$$\rho_o = (P_b - 0.378P_p)/[R(t_{do} + 273.2)] \quad (\text{SI})$$

$$\rho_o = [70.73(P_b - 0.378P_p)]/[R(t_{do} + 459.7)] \quad (\text{I-P})$$

Where

P_b = Corrected Barometric Pressure at duct inlet, Pa (in. HG)

$R = 287.1 \text{ J/kg}\cdot\text{K} \quad (\text{SI})$

$R = 53.35 \text{ ft}\cdot\text{lb}/\text{lbm}\cdot\text{R} \quad (\text{I-P})$

9.3.2 Density of Duct Air at Orifice Inlet: The density of air in the duct immediately upstream of the orifice (ρ_{orf}) is calculated by correcting the density of the inlet air (ρ_o) for the pressure and temperature of the air at the orifice.

$$\rho_{orf} = \rho_o [(t_{do} + 273.2)/(t_{dorff} + 273.2)] [(P_{sorf} + P_b)/P_b] \quad (\text{SI})$$

$$\rho_{orf} = \rho_o [(t_{do} + 459.7)/(t_{dorff} + 459.7)] [(P_{sorf} + 13.63P_b)/(13.63P_b)] \quad (\text{I-P})$$

where t_{dorff} = air dry bulb temperature immediately upstream of the orifice inlet, °C (°F).

P_{sorf} = static pressure immediately upstream of the orifice inlet, Pa (in. wg)

The ρ_{orf} calculated in the above equations shall be used as ρ in the equations presented in Section 9-2.

~~9.3.9.4~~ The pressure drop across the nozzle shall be at least 100 Pa (0.4 in. of water) at the test airflow rate, and the nozzle position and static taps shall conform to Figure 4-1-

~~9.4.9.5~~ Measure and record the resistance of the device at a minimum of four airflow rates: 50%, 75%, 100%, and 125% of test airflow rate. Resistance shall be measured between the static taps.

BSR/ASHRAE Addendum a to ANSI/ASHRAE Standard 52.2-2017, *Method of Testing General Ventilation Air Cleaning Devices for Removal Efficiency by Particle Size*
 First Public Review Draft

INFORMATIVE APPENDIX G INFORMATIVE REFERENCES

~~10. ASME. 1989. ASME Standard MFC 3M, *Measurement of Fluid Flow in Pipes Using Orifices, Nozzles and Venturi*. New York: American Society of Mechanical Engineers.~~

10. ASHRAE. 2016. ANSI/ASHRAE Standard 51 (AMCA Standard 210-85), *Laboratory Method for Testing Fans for Rating*. Atlanta: ASHRAE.

[Delete Figure 9-2 in its entirety]

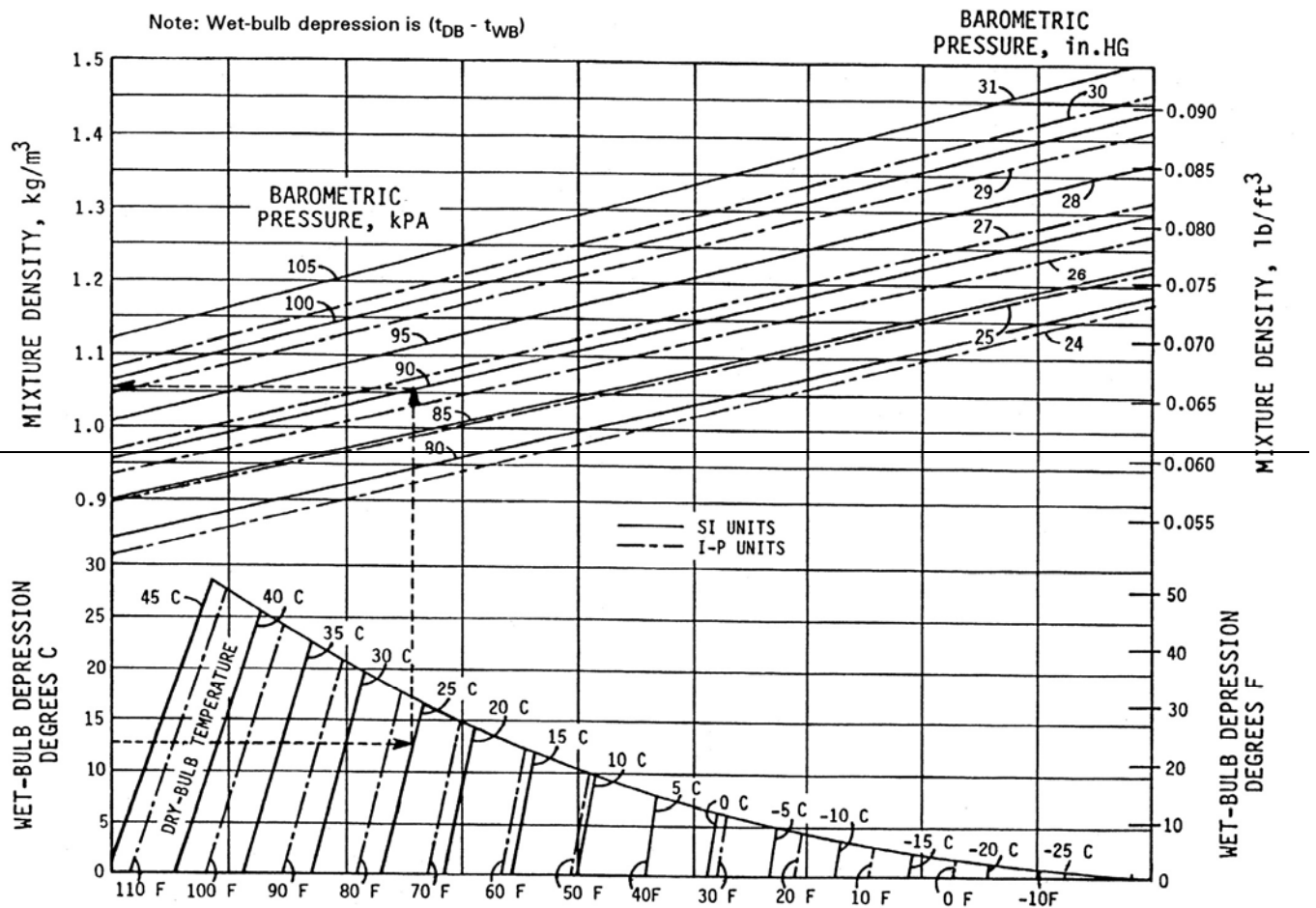


Figure 9-2 Humid air density chart. Barometric pressure as used in this chart is the absolute pressure at the nozzle inlet.

Not for publication. This document is part of the NSF International standard development process. This draft text is for circulation for review and/or approval by a NSF Standards Committee and has not been published or otherwise officially adopted. All rights reserved. This document may be reproduced for informational purposes only.

NSF/ANSI Standard
for Plastics —

Plastics piping system components and related materials

-
-
-

4 Requirements for plastic piping system components and related materials

-
-
-

4.1.2 Rework materials

4.1.2.1 All materials excluding polyethylene

The use of clean rework material of the same formulation from the same manufacturer shall be acceptable provided that the finished products meet the requirements of the applicable product standard(s). Plastic piping system components and related materials shall be manufactured in such a way as to prevent contamination.

4.1.2.2 Polyethylene

The use of clean, rework polyethylene material from the same material designation and from the same manufacturer shall be acceptable provided that the finished products meet the requirements of the applicable product standard(s). Plastic piping system components and related materials shall be manufactured in such a way as to prevent contamination.

-
-
-

BSR/UL 2900-2-2, Standard for Software Cybersecurity for Network-Connectable Products, Part 2-2: Particular Requirements for Industrial Control Systems

1. Proposed first edition of the Standard for Software Cybersecurity for Network-Connectable Products, Part 2-2: Particular Requirements for Industrial Control Systems, UL 2900-2-2

8.6 An attempt to randomly provide a credential shall have ~~at a minimum~~ less than a one in 1,000,000 success rate.

8.7 ~~The information by itself cannot be used for authentication but is input in a split knowledge procedure. Documentation shall prove that only access of ALL components in the split knowledge has the ability to determine the information.~~

8.8 ~~The transmission path is a trusted path, for example a directly connected physical cable that is not shared by any other system or products.~~

8.8.1 The transmission of the authentication credential to a product via a remote connection covered in this section cannot be in plain text or easily intercepted and duplicated unless:

a) Parts of the credential itself cannot be used for authentication but is input in a split knowledge procedure. Documentation shall prove that only access of ALL components in the split knowledge has the ability to determine the information.

b) The transmission path is a trusted path, for example a directly connected physical cable that is not shared by any other system or products.

8.9 The storage of ~~the~~ authentication credential(s) on the product shall not be in plaintext and shall be protected from unauthorized disclosure or modification by using one of the cryptography mechanisms defined in Section 10, Sensitive Data.

11.2 The product shall be able to reliably and verifiably display or communicate the version of the currently installed software and firmware binaries, executables and libraries to the user of the product ~~that identifies the version of the software for the product.~~

11.3 The software deployment process shall follow:

a) The new software and firmware binaries, executables and libraries shall be created with a software integrity mechanism to generate a factory code or signature for the binary. These mechanisms shall meet Appendix C of the Standard for Software Cybersecurity for Network-Connectable Devices, Part 1: General Requirements, [UL 2900-1](#).

b) Deployment of the software/firmware binaries, executables and libraries to the product shall begin with the download of the software/firmware binaries, executables, and libraries. ~~It shall not alter the product~~ The download shall not immediately update the stored executables during the download process unless specified in the risk assessment.

~~c)~~ c) The product may allow the erasure of the audit log via operator intervention to allow for download of the software/firmware binaries, executables, and libraries only if, at a minimum, the product ~~should~~ starts the new log with a record of the log erasure including the timestamp, and authenticated means and account.

11.4 After the download of the software/firmware binaries, executables and libraries and before ~~the installation of it~~ installing them, the product shall verify the integrity and the authenticity of the software /firmware binaries, executables and libraries.

- a) If the integrity test fails, the product shall stop the software upgrade process, and shall erase the new downloaded software component. A failure shall be logged in the audit log. The product shall continue to operate as ~~intended~~ before the attempted upgrade.
- b) The product shall carry out the integrity check only when the product has received the complete software, consisting of the software/firmware binaries, executables, and libraries.
- c) The integrity mechanism shall be included in the software/firmware binaries, executables, and libraries and shall not be downloaded separately.

11.7 If the product fails section 11.6 on ~~any~~ power up, the product shall enter a FAIL safe mode and indicate clearly to the user that the product has failed to start up successfully.

15.2.2 Discrete Output Behavior - While the conditions of Section 15.1.1 are met, ~~t~~The product shall be able to generate a monitored continuous output signal ~~while the conditions of Section 15.1.1 are met~~ on one of the output points in a discrete output module as specified by the manufacturer specifications.

UL copyrighted material. Not authorized for further reproduction without prior permission from UL.

BSR/UL 498, Standard for Safety for Attachment Plugs and Receptacles

1. Revision of Addition of Requirements for Spring Action Terminal Clamps

2.39.1 TERMINAL, SPRING ACTION CLAMP - A terminal where the stripped end of a conductor is inserted into the terminal and a manually operated integral lever applies clamping pressure to a spring mechanism, without the use of screws.

UL copyrighted material. Not authorized for further reproduction without prior permission from UL.

BSR/UL 746B, Standard for Polymeric Materials - Long Term Property Evaluations

1. Revision of Paragraph 19.14 to Update Default Correlation Time for RTI Determination from 100,000 Hours to 60,000 Hours

19.14 In the absence of comparison data for a control material, it might be difficult to correlate the long-time-endurance program with actual service conditions. ~~Although there~~ There is some evidence to show that an arbitrary life of 60,000 hours under this long-time program can be assumed when determining a relative thermal index, ~~until this correlation is more definitely established, a longer value of time is to be assumed.~~ Examination of correlation factors from prior RTI determinations indicates 60,000 hours to be a reasonable upper bound on correlation time. In place of applicable control data, an extrapolated life of ~~100,000~~ 60,000 hours is to be used to assign the relative thermal index. In cases where the correlation time for the control material is higher than 60,000 hours, an extrapolated life of 60,000 hours is to be used to assign the relative thermal index.

UL copyrighted material. Not authorized for further reproduction without prior written approval from UL.

BSR/UL 1063, Standard for Safety for Machine-Tool Wire and Cables

PROPOSALS

Addition of Single Conductor, Shielded Type MTW Wire, Revised 1.2, 10.1.1, 13.1.1, 14.1, 15.1, 19, 19.1, 22.1, 23.1 and New Section 20A

1.2 The two single-conductor constructions covered are described in Table 1.1. Both are PVC-insulated and one includes a nylon jacket over the insulation. These single-conductor constructions may be optionally shielded and jacketed. The multiple-conductor constructions covered consist of assemblies of these single-conductor constructions (sizes and styles may be mixed) enclosed by a PVC jacket.

10.1.1 An insulated conductor or an insulated conductor within a multi-conductor cable, or an assembly of conductors may be enclosed in a conductive shield.

13.1.1 An overall PVC jacket shall cover shielded, single conductor and multiple-conductors cables completely. The jacket shall conform closely to and be readily separable from the surface of the underlying assembly. The average thickness of the jacket and the minimum thickness at any point of the jacket shall not be less than indicated in Table 13.1. The average tensile strength and ultimate elongation of aged and unaged specimens of the jacket from finished cable shall not be less than indicated in Table 8.1.

14.1 The insulation on finished single-conductor wire of constructions A and B (with shield and jacket removed, if present) and similar wire taken from finished, multi-conductor cable shall comply with the Flexibility at room-temperature (after aging), Heat-shock, and Cold-bend tests specified in the Standard for Thermoplastic-Insulated Wires and Cables, UL 83.

15.1 The insulation on finished single-conductor wire of constructions A and B (with shield and jacket removed, if present) and similar wire taken from finished, multi-conductor cable shall comply with the deformation test (nylon in place for construction B) at $121.0 \pm 1.0^\circ\text{C}$ for PVC insulation as required in the Standard for Thermoplastic-Insulated Wires and Cables, UL 83, except that the decrease in thickness shall not be more than 30 percent. The rod is to exert 400 gf or 3.92 N on the size 22 - 7 and the 20 - 16 AWG wires and is to exert the load indicated in UL 83 for the 14 AWG - 1000 kcmil sizes.

19 Spark Testing of Finished Single Conductors and of Individuals Conductors Before Assembly

19.1 The routine factory production testing of finished single-conductor wire and cable made with and without a jacket of nylon or a similar material before it is assembled into a single or multiple-conductor, jacketed cable shall include an a-c spark test on 100 percent of production. The test shall be conducted in accordance with the Standard for Thermoplastic-Insulated Wires and Cables, UL 83, with the conductor earth-grounded at the payoff reel or another point at which continuous contact with the bare conductor, prior to the insulating process, is maintained or at the take-up reel. However, for the size 22 - 7 and the 20 - 10 AWG sizes, an earth-ground connection shall be made at both the payoff and take-up reels unless the size 22 - 7 and the 20 - 10 AWG sizes are tested for continuity and found to be of one integral length. The test potential shall be as indicated in Table 19.1. In any case, each earth-ground connection shall be bonded directly to the earth-ground in the spark tester.

20A Dielectric Testing of Single Conductor, Shielded and Jacketed Constructions

20A.1 The routine factory production testing of single-conductor shielded and jacketed cable shall include a 48 - 62 Hz 60-s dielectric voltage-withstand test on 100 percent of production of the finished cable. The rms test potential shall be 2000 V. The potential shall be applied between each conductor and the conductive shield.

20A.2 The cable is to be stressed by the means described in 18.2.2.

20A.3 The applied potential is to be increased from near zero at an essentially uniform rate that:

- a) Is not less than 100 percent of the voltage rating for the wire or cable in 60 s, and
- b) Is not more than 100 percent in 10 s (the rate of increase is not to exceed 500 V/s in any case). The increase is to continue in this manner until the rms potential reaches 2000 V. If this level is reached without breakdown, the voltage is to be held constant at 2000 V for 60 s and is then to be reduced to near zero at the rate mentioned in (a) or (b) above. The cable from which the specimen was taken is not acceptable if breakdown occurs at less than 2000 V while the applied potential is being increased or decreased or in less than 60 s at 2000 V.

22.1 There shall be no additional covering (braid, wrap, jacket, or the like) on single-conductor wire of constructions A and B, over the jacket on a single conductor, shielded and jacketed construction, or over the PVC jacket on multiple-conductor cable, except that lubricant or a coating for color coding may be provided. Any coating or lubricant employed shall not flake off, reduce the ability of the wire or cable to comply with any of the flame tests mentioned in 16.1, or have any deleterious effect on equipment with which the wire or cable may be used. A paraffin coating is not acceptable.

23.1 A legend printed on the outer surface of the insulation of construction A, on the outer surface of the nylon jacket of construction B, on the outer surface of the insulation under the nylon jacket of construction B (acceptable only if clearly legible through the nylon), or on the outer surface of the jacket of a single or multiple-conductor cable shall be repeated at the following intervals throughout the length of the single-conductor wire or multiple-conductor cable. If the jacket of a single or multiple-conductor cable is marked to comply with 24.1 - 28.1, and 32.1, the component conductors need not be individually marked. If the component conductors in a single or multiple-conductor cable are individually marked to comply with 24.1 - 28.1, and 32.1, the overall cable jacket is also required to be marked (see exception for size marking in 27.1 in the case of a multiple-conductor cable in which more than one size of conductor is used).

- a) Size shall be repeated at intervals that are not longer than a nominal 24 inches or 610 mm (maximum 25 inches or 635 mm).
 - b) All information other than size shall be repeated at intervals that are not longer than 40 inches or 1.02 m.
-

BSR/UL 1242, Standard for Electrical Intermediate Metal Conduit - Steel

1. Clarification to Table 9.1 of UL 1242

PROPOSAL

PROPOSAL

Table 9.1

Exterior diameters, wall thicknesses, and standard length of straight conduit

Trade size	(Metric designation)	Exterior diameters				Wall thicknesses				Standard Length of straight finished Conduit ^a without a coupling attached ($\pm 1/4$ inch or ± 6 mm)		
		Maximum,		Minimum,		Maximum,		Minimum,		Feet and inches	inches	(mm)
		inches	(mm)	inches	(mm)	inches	(mm)	inches	(mm)			
1/2	16	0.820	20.83	0.810	20.57	0.085	2.16	0.070	1.79	9	11-1/4	3030
3/4	21	1.034	26.26	1.024	26.01	0.090	2.29	0.075	1.90	9	11-1/4	3030
1	27	1.295	32.89	1.285	32.64	0.100	2.54	0.085	2.16	9	11	3025
1-1/4	35	1.645	41.78	1.630	41.40	0.105	2.67	0.085	2.16	9	11	3025
1-1/2	41	1.890	48.01	1.875	47.62	0.110	2.79	0.090	2.29	9	11	3025
2	53	2.367	60.12	2.352	59.74	0.115	2.92	0.095	2.41	9	11	3025
2-1/2	63	2.867	72.82	2.847	72.31	0.160	4.06	0.140	3.56	9	10-1/2	3010
3	78	3.486	88.54	3.466	88.04	0.160	4.06	0.140	3.56	9	10-1/2	3010
3-1/2	91	3.981	101.12	3.961	100.61	0.160	4.06	0.140	3.56	9	10-1/4	3005
4	103	4.476	113.6	4.456	113.1	0.160	4.06	0.140	3.56	9	10-	3005

			9		8						1/4	
--	--	--	---	--	---	--	--	--	--	--	-----	--

^a The lengths indicated are designed to produce a 10-foot (3.05-m) length of conduit when a standard coupling is attached.

UL copyrighted material. Not authorized for further reproduction without prior permission from UL.

BSR/UL 1626, Standard for Safety for Residential Sprinklers for Fire-Protection Service

1. Corrosion Resistant Residential Sprinklers

PROPOSAL

35.5 30-Day corrosion test - for sprinklers with corrosion resistant coatings or platings

35.5.1 General

35.5.1.1 The external parts of an automatic sprinkler having a corrosion-resistant coating or plating shall withstand an exposure to salt spray, hydrogen sulfide, and carbon dioxide-sulfur dioxide atmospheres when tested in accordance with 35.5.1.4 - 35.5.4.1 for 30 days. Following the exposure, the Oven Heat Test (see 29.1) is to be conducted, and each sample shall be operable, and the average time of operation for each exposure type shall not increase more than a 1.3 multiple when compared to the average time of samples not subjected to the 30-Day Corrosion Test, Section 35.5.

35.5.1.2 A dry pendent or dry ceiling-type sprinkler that uses an operating assembly of the same type that has complied with the operation requirements specified in 35.5.1.1 shall be subjected to the plunge test specified in 35.5.1.3. After the heat responsive element operates, all parts shall clear the waterway under an air pressure of 10 psig (69 kPa).

35.5.1.3 The plunge test is to be conducted in a full draft air oven that has been preheated to a temperature of $300 \pm 5^{\circ}\text{F}$ ($149 \pm 3^{\circ}\text{C}$) or a temperature of 100°F (55.6°C) higher than the marked temperature rating, whichever is higher. Each sprinkler is to be individually connected to a 10 psig (69 kPa) air supply and quickly placed in the oven in the pendent position.

35.5.1.4 Not more than 5 days, nor less than 1 day, after the exposure period, each sample sprinkler is to be subjected to the Oven Heat Test (see 29.1) for determination of its operating time.

35.5.1.5 Three groups, each consisting of five sample sprinklers, are to be assembled. One group is to be exposed to 20 percent salt spray, the second to hydrogen sulfide, and the third to sulfur dioxide-carbon dioxide. During the corrosive exposure, the inlet thread orifice is to be sealed by a plastic cap after the sprinkler has been filled with de-ionized water and provisions made to prevent condensation from falling onto the test samples.

35.5.1.6 Hydrogen sulfide and sulfur dioxide are both toxic gases. Hydrogen sulfide gas is also flammable. Because of this, such gases must be stored, transferred, and used only with gastight systems. Adequate ventilation must also be provided to handle any accidental leakage. Presence of these gases is readily noticeable. Due to their unpleasant odor and irritant effect, they give warning of their presence.

35.5.2 20 Percent salt spray

35.5.2.1 The samples are to be supported vertically and exposed to salt spray (fog) as specified in Standard Practice for Operating Salt Spray (Fog) Apparatus, ASTM B117, except that the salt solution is to consist of 20 percent by weight of common salt (sodium chloride).

35.5.3 Moist hydrogen sulfide air mixture

35.5.3.1 The samples are to be supported vertically and exposed to a moist hydrogen sulfide air mixture in a closed glass chamber maintained at 75 ±5°F (24 ±3°C). On five days out of every seven, an amount of hydrogen sulfide equivalent to 1.0 percent of the volume of the chamber is to be introduced into the chamber from a commercial gas cylinder, the volume required being measured with a flowmeter and timer. Prior to each introduction of gas, the remaining gas-air mixture from the previous day is to be thoroughly purged from the chamber. On the two days out of every seven that this does not occur, the chamber is to remain closed and no purging or introduction of gas is to be provided. During the exposure, the gas-air mixture is to be gently stirred by means of a small fan located in the upper middle portion of the chamber. A small amount of water (10 ml/0.003 m³ of chamber volume) is to be maintained at the bottom of the chamber for humidity.

35.5.4 Moist carbon dioxide-sulfur dioxide air mixture

35.5.4.1 The samples are to be supported vertically and exposed to a moist carbon dioxide-sulfur dioxide air mixture in a closed glass chamber maintained at 75 ±5°F (24 ±3°C). On five days out of every seven, an amount of carbon dioxide equivalent to 1.0 percent of the volume of the chamber, plus an amount of sulfur dioxide equivalent to 1.0 percent of the volume of the chamber, are to be introduced. Prior to each introduction of gas, the remaining gas-air mixture from the previous day is to be thoroughly purged from the chamber. On the two days out of every seven that this does not occur, the chamber is to remain closed and no purging or introduction of gas is to be provided. A small amount of water (10 ml/0.003 m³ of chamber volume) is to be maintained at the bottom of the chamber for humidity.

UL copyrighted material. All rights reserved. Other reproductions without permission from UL.