

Contents

American National Standards

Call for Comment on Standards Proposals 2
Call for Members (ANS Consensus Bodies) 12
Final Actions 14
Project Initiation Notification System (PINS) 16
ANS Maintained Under Continuous Maintenance 22
ANSI-Accredited Standards Developers Contact Information 23

International Standards

ISO and IEC Draft Standards 25
ISO and IEC Newly Published Standards 27
Proposed Foreign Government Regulations 29
Information Concerning 30

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: September 23, 2018

ACCA (Air Conditioning Contractors of America)

Revision

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

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. This standard shall not be used to circumvent safety, health, environmental, or the equipment manufacturer's requirements.

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

Send comments (with copy to psa@ansi.org) to: standards-sec@acca.org. Comments are to be submitted on the ACCA Public Response Form available on acca.org/ansi.

ASME (American Society of Mechanical Engineers)

Revision

BSR/ASME B16.40-201x, Manually Operated Thermoplastic Gas Shutoffs and Valves in Gas Distribution Systems (revision of ANSI/ASME B16.40-2013)

This Standard covers manually operated thermoplastic valves in nominal valve sizes 1/2 through 12. These valves are intended for use below ground in thermoplastic fuel gas distribution mains and service lines. The maximum operating pressure (MOP) at which such distribution piping systems may be operated is in accordance with the Code of Federal Regulations (CFR) Title 49, Part 192, Transportation of Natural and Other Gas by Pipeline; Minimum Safety Standards, for temperature ranges of -20°F to 140°F (-29°C to 60°C).

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

Send comments (with copy to psa@ansi.org) to: Justin Wu, (212) 591-7074, wuj@asme.org

NSF (NSF International)

Revision

BSR/NSF 41-201x (i9r1), Non-liquid Saturated Treatment Systems (revision of ANSI/NSF 41-2016)

This wastewater standard contains minimum requirements for treatment systems that do not utilize a liquid saturated media as a primary means of storing or treating human excreta or human excreta mixed with other organic household materials. It addresses treatment systems that treat both solid and liquid waste, as well as those that only treat solid waste. Management methods for the end products of these systems are not addressed by this Standard.

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

Send comments (with copy to psa@ansi.org) to: Jason Snider, (734) 418-6660, jsnider@nsf.org

BSR/NSF 49-201x (i77r3), NSF 49 - Biosafety Cabinetry - Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2016)

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

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

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

RESNET (Residential Energy Services Network, Inc.)

Addenda

BSR/RESNET/ICC 301-201x Addendum L-201x, Duct Leakage to Outside Test Exception (addenda to ANSI/RESNET/ICC 301-2014)

The proposed addenda will establish an exception to required testing for duct leakage to outside when defined conditions are met.

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

Comments are submitted via RESNET's online comment form. See the links from webpage: <http://www.resnet.us/blog/resnet-consensus-standards/>

TIA (Telecommunications Industry Association)

New Standard

BSR/TIA 604-5-F-201x, FOCIS 5 Fiber Optic Connector Intermateability Standard - Type MPO (new standard)

The project will revise the existing FOCIS-5 standard to harmonize it with the IEC equivalent documents. The changes are minimal and mostly edits that will allow the document to be in complete harmony with its IEC sister document 61754-7. Technical changes include ferrule orientation options, ferrule travel, contact force, and minor upgrades to spring compression definition. The overall scope of the document is not changing.

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

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

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 498-201x, Standard for Safety for Attachment Plugs and Receptacles (revision of ANSI/UL 498-2018)

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

BSR/UL 845-201x, Standard for Safety for Motor Control Centers (revision of ANSI/UL 845-2011)

Recirculation of Topic 2 - Insulating Materials.

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

Send comments (with copy to psa@ansi.org) to: Mitchell Gold, (847) 664-2850, mitchell.gold@ul.com

BSR/UL 913-201X, Standard for Safety for Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II, and III, Division 1, Hazardous (Classified) Locations (revision of ANSI/UL 913-2015)

This proposal includes new Clause 10.6 to add the use of electronic medium or required documentation.

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

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

BSR/UL 1203-201X, Standard for Safety for Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations (revision of ANSI/UL 1203-2018)

This proposal includes revisions to 10.3.6 to permit an active gasket between polymeric and metal parts of an explosion-proof enclosure.

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

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

BSR/UL 1703-201x, Standard for Safety for Flat-Plate Photovoltaic Modules and Panels (revision of ANSI/UL 1703-2017)

(1) Removal of the Surface Tension requirement in Paragraph 27.2.

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

Send comments (with copy to psa@ansi.org) to: Susan Malohn, (847) 664-1725, Susan.P.Malohn@ul.com

BSR/UL 2586-201x, Standard for Safety for Hose Nozzle Valves (revision of ANSI/UL 2586-2014)

The following is being proposed: (1) Update standard references and clarifications.

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

Send comments (with copy to psa@ansi.org) to: Jeff Prusko, (847) 664-3416, jeffrey.prusko@ul.com

Comment Deadline: October 8, 2018

ACCA (Air Conditioning Contractors of America)

New Standard

BSR/ACCA 15 OBD Standard-201x, On-Board Diagnostic Codes for HVACR Equipment (new standard)

This Standard details a nomenclature naming schema for defining fault and performance codes and terminology associated with heating, ventilating, air-conditioning, and refrigeration (HVAC&R) equipment. This Standard applies to new HVAC&R equipment and components for use in new and existing residential and commercial buildings as well as commercial refrigeration applications.

Single copy price: Free of charge (online)

Obtain an electronic copy from: www.acca.org/ansi

Order from: Danny Halel, 703-824-8868, danny.halel@acca.org

Send comments (with copy to psa@ansi.org) to: standards-sec@acca.org. Comments on this proposed standard are to be submitted on the "ACCA Public Response Form": available on ACCA.org/ANSI website.

ASA (ASC S3) (Acoustical Society of America)

Reaffirmation

BSR/ASA S3.46-2013 (R201x), Methods of Measurement of Real-Ear Performance Characteristics of Hearing Aids (reaffirmation of ANSI/ASA S3.46-2013)

This Standard provides definitions for terms used in the measurement of real-ear performance characteristics of hearing aids, provides procedural and reporting guidelines, and identifies essential characteristics to be reported by the manufacturer of equipment used for this purpose. Acceptable tolerances for the control and measurement of sound pressure levels are indicated. Where possible, sources of error have been identified and suggestions provided for their management.

Single copy price: \$130.00

Obtain an electronic copy from: asastds@acousticalsociety.org

Order from: Caryn Mennigke, (631) 390-0215, asastds@acousticalsociety.org

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

ASTM (ASTM International)

Revision

BSR/ASTM D3681-201x, Test Method for Chemical Resistance of Fiberglass (Glass-Fiber-Reinforced Thermosetting-Resin) Pipe in a Deflected Condition (revision of ANSI/ASTM D3681-2012)

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

BSR/ASTM D5365-201x, Test Method for Long-Term Ring-Bending Strain of Fiberglass (Glass-Fiber-Reinforced Thermosetting-Resin) Pipe (revision of ANSI/ASTM D5365-2012)

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

ATIS (Alliance for Telecommunications Industry Solutions)

Reaffirmation

BSR ATIS 0300216-2013 (R201x), Integrated Services Digital Network (ISDN) Management - Basic Rate Physical Layer (reaffirmation of ANSI ATIS 0300216-2013)

The purpose of this standard is to establish required capabilities for the maintenance and operations needed for the basic rate physical layer associated with access to Integrated Services Digital Networks (ISDNs). This standard establishes needed maintenance functionality in customer and network equipment, particularly from the perspectives of maintenance functionality available at the network boundary and from Operations Systems.

Single copy price: \$145.00

Obtain an electronic copy from: ehoefer@atis.org

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

AWWA (American Water Works Association)

Revision

BSR/AWWA C518-201x, Double-Disc Swing-Check Valves for Waterworks Service, 2-In. Through 48-In. (50-mm Through 1200-mm) (revision of ANSI/AWWA C518-2013)

This standard establishes minimum requirements for double-disc swing-check valves, 2-in. (50-mm) through 48-in. (1,200-mm) NPS, with various body and end types for raw, potable, and reclaimed water having a pH range from 6 to 12 and a temperature range of 33 degrees - 125 degrees F (0.6 degrees - 52 degrees C).

Single copy price: Free of charge

Obtain an electronic copy from: ETSsupport@awwa.org

Order from: Vicki David, (303) 347-3431, vdavid@awwa.org

Send comments (with copy to psa@ansi.org) to: Paul Olson, (303) 347-6178, polson@awwa.org; vdavid@awwa.org

IEST (Institute of Environmental Sciences and Technology)

New National Adoption

BSR/IEST/ISO 14644-12-201x, Cleanrooms and associated controlled environments - Part 12: Specifications for monitoring air cleanliness by nanoscale particle concentration (identical national adoption of ISO 14644-12:2018)

This document covers the monitoring of air cleanliness by particles in terms of concentration of airborne nanoscale particles. For monitoring purposes, only populations of particles with a lower size limit of 0.1 microns (100 nm) or less - "nanoscale" - are considered. The monitoring given in this document is for use mainly in "operational" states within cleanrooms and controlled environments.

Single copy price: \$52.00 (IEST Members)/\$65.00 (Non-members)

Obtain an electronic copy from: <http://www.iest.org/Bookstore>

Send comments (with copy to psa@ansi.org) to: Jennifer Sklena; jsklena@iest.org

NFPA (National Fire Protection Association)

The National Fire Protection Association announced the availability of its First Draft Report for concurrent review by NFPA and ANSI.

The disposition of all comments received will now be published in the Second Draft Report located on the document's information page under the "Next Edition" tab. The document's specific URL, www.nfpa.org/doc# (for example www.nfpa.org/2400), can easily access the document's information page. This proposed NFPA document addressed in the First Draft Report and in the follow-up Second Draft Report will be presented for action at the NFPA June 2019 Association Technical Meeting to be held June 17-20, 2019 San Antonio Texas when a proper Notice of Intent to Make a Motion (NITMAM) has been submitted to the NFPA by the deadline of October 8, 2018. NITMAMs submitted on Public Comments (PC) can only be submitted by the original submitter of the PC or their duly represented Designated Representative. NITMAMs can be made by anyone if the NITMAM is on a Committee Comment, Second Revision, or Second Correlating Revision or in the case of a new standard, a NITMAM to Return the Entire NFPA Standard. Additional information on NITMAMs and authorized submitters can be found in the Regulations Governing the Development of NFPA Standards. Instructions on how to submit NITMAMs electronically are located in the Document's Second Draft Report. If NFPA 2400 does not r

New Standard

BSR/NFPA 2400-201x, Standard for Small Unmanned Aircraft Systems (sUAS) used for Public Safety Operations (new standard)

This standard shall cover the minimum requirements relating to the operation, deployment, and implementation of small unmanned aircraft systems (sUAS) for public safety operations. This standard shall establish operational protocols for public safety entities who use and support sUAS. This standard shall include minimum job performance requirements (JPRs) for public safety personnel who operate and support sUAS. This standard shall include minimum requirements for the maintenance of sUAS when used by public safety entities. This standard shall provide additional minimum requirements specific to public safety entities.

Obtain an electronic copy from: www.nfpa.org/2400next

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

NSF (NSF International)

Revision

BSR/NSF 419-201x (i8r1), Public Drinking Water Equipment Performance - Membrane Filtration (revision of ANSI/NSF 419-2015)

This Standard is designed to describe the performance evaluation test procedure for the product specific challenge testing of full-scale UF and MF membrane modules, bag filters, and cartridge filters for the removal of microbial contaminants. This Standard provides procedures to develop challenge testing Log Removal Values (LRVC_TEST), as required in the EPA's Long Term 2 Enhanced Surface Water Treatment Rule (LT2ESWTR) published in 40 CFR 141-subpart W.

Single copy price: Free

Obtain an electronic copy from: https://standards.nsf.org/apps/group_public/download.php/44225/419i8r1%20-%20Annex%20C%20-%20JC%20memo%20&%20ballot.pdf

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

TAPPI (Technical Association of the Pulp and Paper Industry)

New Standard

BSR/TAPPI T 218 sp-201x, Forming handsheets for reflectance testing of pulp (Büchner funnel procedure) (new standard)

This practice describes the procedure using a Büchner funnel for preparing specimen sheets for reflectance testing of bleached or unbleached pulp whose fibers are readily dispersed in water. The sheets are made at a pH of 6.5 ± 0.5 . This practice permits the preparation of sheets having a smooth and reproducible surface for reflectance measurements with a minimum of washing or contamination of the sample.

Single copy price: Free

Obtain an electronic copy from: standards@tappi.org

Order from: Priscila Briggs, (770) 209-7249, standards@tappi.org

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

TAPPI (Technical Association of the Pulp and Paper Industry)

Reaffirmation

BSR/TAPPI T 491 om-201x, Water immersion number of paperboard (reaffirmation of ANSI/TAPPI T 491 om-2013)

This test is applicable to paperboards that are medium-sized, with an immersion number between 4.5 and 6.0, to hard-sized, with an immersion number of 3.5 or less, throughout.

Single copy price: Free

Obtain an electronic copy from: standards@tappi.org

Order from: Priscila Briggs, (770) 209-7249, standards@tappi.org

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

BSR/TAPPI T 551 om-201x, Thickness of paper and paperboard (soft platen method) (reaffirmation of ANSI/TAPPI T 551 om-2012)

This method describes a procedure for measuring the thickness of a single sheet of paper or paperboard using soft synthetic rubber platens against the paper to minimize the effect of surface roughness. This method is not to be confused with nor substituted for TAPPI T 411 "Thickness (Caliper) of Paper and Paperboard and Combined Board." It is to be used primarily for sheet density calculations. Because of the relatively high pressure (50 kPa), this method may not be suitable for measurement of tissue or other soft- or low-density materials, because the structure may collapse at the prescribed pressure of 50 kPa (7.2 psi).

Single copy price: Free

Obtain an electronic copy from: standards@tappi.org

Order from: Priscila Briggs, (770) 209-7249, standards@tappi.org

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

BSR/TAPPI T 1500 gl-201x, Optical measurements terminology (related to appearance evaluation of paper) (reaffirmation of ANSI/TAPPI T 1500 gl-2012)

This glossary defines terms used in the pulp and paper industry relating to both visual and instrumental evaluations of appearance. This technical terminology includes such optical assessments such as brightness, whiteness, color, gloss, opacity, scattering, absorption, etc.

Single copy price: Free

Obtain an electronic copy from: standards@tappi.org

Order from: Priscila Briggs, (770) 209-7249, standards@tappi.org

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

TAPPI (Technical Association of the Pulp and Paper Industry)

Revision

BSR/TAPPI T 568 om-201x, Physical area of sub-visible contraries in pulp, paper and paperboard by image analysis (revision of ANSI/TAPPI T 568 om-2012)

This method uses image analysis to determine the level of sub-visible contraries in pulp, recycled pulp, paper, and paperboard in terms of Equivalent Physical Diameter (EPD) of contraries within the EPD range of 8 micrometers to 160 micrometers, reported in parts per hundred as well as the number of specks per square centimeter of sample. Extension to other speck sizes (for example, those greater than 160 micrometers) may require changes in equipment, calculation procedures, or both, and is not covered in this test method.

Single copy price: Free

Obtain an electronic copy from: standards@tappi.org

Order from: Priscila Briggs, (770) 209-7249, standards@tappi.org

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

TIA (Telecommunications Industry Association)

New Standard

BSR/TIA 455-171-B-201x, Attenuation by Substitution Measurement for Short Length Multimode Graded Index and Single-Mode Optical Fiber Cable Assemblies (new standard)

Describes the various methods available to measure the attenuation of optical components

Single copy price: \$116.00

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 Standard

BSR/UL 2524-201x, Standard for In-Building 2-Way Emergency Radio Communication Enhancement Systems (new standard)

The proposed first edition of the standard that covers products (e.g., repeater, transmitter, receiver, signal booster components, external filters, and battery charging system components) used for in-building 2-way radio emergency radio communication enhancement systems installed in a location to improve wireless communication at that location.

Single copy price: Free

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

Send comments (with copy to psa@ansi.org) to: Griff Edwards, (919) 549-0956, griff.edwards@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 48-201x, Standard for Safety for Electric Signs (revision of ANSI/UL 48-2017)

This proposal for UL 48 covers: (1) Minimum AWG size, selection, and installation of Class 2 secondary wiring; (2) Sign receptacles provided for auxiliary functions; (3) Standards and requirements for components used in PV signs; and (4) Editorial revisions.

Single copy price: Free

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

Send comments (with copy to psa@ansi.org) to: Julio Morales, (919) 549-1097, Julio.Morales@UL.com

BSR/UL 82-201x, Standard for Safety for Electric Gardening Appliances (revision of ANSI/UL 82-2016)

This proposal for UL 82 covers: (1) Proposed revision to specify that lubrication of the saw chain is not required for low-speed pole pruners.

Single copy price: Free

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

Send comments (with copy to psa@ansi.org) to: Elizabeth Northcott, (847) 664-3198, Elizabeth.Northcott@ul.com

BSR/UL 2258-201x, Standard for Aboveground Nonmetallic Tanks for Fuel Oil and Other Combustible Liquids (revision of ANSI/UL 2258-2018)

This standard covers nonmetallic or composite primary tanks, secondary tanks, and open or closed secondary containments from 227 - 2500 L (60 - 660 US gallons) intended primarily for the storage and supply of heating fuel for oil burning equipment, or alternately for the storage of diesel fuels for compression ignition engines and motor oils (new and used) for automotive service stations, in aboveground applications.

Single copy price: Free

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

Send comments (with copy to psa@ansi.org) to: Caitlin D'Onofrio, (613) 368-4430, caitlin.donofrio@ul.com

BSR/UL 2353-201x, Standard for Safety for Single- and Multi-Layer Insulated Winding Wire (revision of ANSI/UL 2353-2016)

This Standard contains requirements for single- and multi-layer insulated winding wire used in transformers without interleaved insulation; and solid insulation and insulated winding wire without interleaved insulation intended for use in accordance with the Standard for Information Technology Equipment - Safety - Part 1: General Requirements, UL 60950-1; the Standard for Medical Electrical Equipment, Part 1: General Requirements for Safety, UL 60601-1; or the Safety of Power Transformers, Power Supplies, Reactors and Similar Products - Part 1: General Requirements and Tests, IEC 61558-1. These requirements are not intended to prohibit the use of this type of winding wire in equipment covered by the scope of other standards when these requirements are determined to be compatible with those standards.

Single copy price: Free

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

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

BSR/UL 62841-3-1-201x, Standard for Safety for Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety - Part 3-1: Particular Requirements for Transportable Table Saws (revision of ANSI/UL 62841-3-1-2017)

This proposal for UL 62841-3-1 covers: (1) Proposed addition of national differences to clarify instruction requirements specific to addressing workpiece feed and jamming instances for both corded and battery-powered tools.

Single copy price: Free

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

Send comments (with copy to psa@ansi.org) to: Elizabeth Northcott, (847) 664-3198, Elizabeth.Northcott@ul.com

BSR/UL/ULC 1316-201x, Standard for Fibre Reinforced Plastic Underground Tanks for Flammable and Combustible Liquids (revision of ANSI/UL 1316-2006)

New Joint Standard between UL 1316 and CAN/ULC-S615. This Standard sets forth minimum design and construction requirements for fibre-reinforced plastic, non-pressure tanks that are used for the underground storage of flammable and combustible liquids, such as: (A) Petroleum products, including petroleum hydrocarbon fuels with low bio-blends, per specifications, and similar flammable or combustible liquid petroleum derivatives, such as fuel components (cetane, hexane, heptane), and oils (lubricating, hydraulic, machine); (B) Oxygenated fuel blends, including all "petroleum product" liquids; plus petroleum hydrocarbon fuels with low-biofuels blends; (C) Oxygenates, including all "petroleum product" and "oxygenated fuel blends" liquids; plus pure/denatured or highest oxygenated blend stocks for use in mixing of dispensed lower fuel-blends and components, such as biodiesel and ethanol; and (D) Other flammable and combustible liquids (for which the test fuels in Appendix A are not considered to be sufficient or applicable) that can be demonstrated or determined to be compatible with the reinforced plastic underground tank materials as determined by the certifier.

Single copy price: Free

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

Send comments (with copy to psa@ansi.org) to: Caitlin D'Onofrio, (613) 368-4430, caitlin.donofrio@ul.com

Comment Deadline: October 10, 2018

NFPA (National Fire Protection Association)

The National Fire Protection Association announces the availability of NFPA 78, NFPA 1078, and NFPA 451

First Draft Reports for concurrent review and comment by NFPA and ANSI. The disposition of all comments received will be published in the Second Draft Report, located on the document's information page under the next edition tab. The document's specific URL, www.nfpa.org/doc#next (for example www.nfpa.org/78next), can easily access the document's information page. All comments on the NFPA 78, NFPA 1078, and NFPA 451 First Draft Reports must be received by October 10, 2018. The First Draft Report for these documents contains the disposition of public input received for these proposed documents. Anyone wishing to review any of the First Draft Report for NFPA 78, NFPA 1078, and NFPA 451 may do so on the document's information page under the next edition tab. The document's specific URL, for example www.nfpa.org/doc#next (www.nfpa.org/78next), can easily access the document's information page.

New Standard

BSR/NFPA 78-201x, Guide on Electrical Inspections (new standard)

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

Obtain an electronic copy from: www.nfpa.org/78next

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

BSR/NFPA 451-201x, Guide for Community Healthcare Programs (new standard)

This guide is to provide direction to agencies supporting the EMS mission for planning, preparing, implementing, and evaluating community healthcare programs in an effort to meet the changing needs of the communities they serve.

Obtain an electronic copy from: www.nfpa.org/451next

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

BSR/NFPA 1078-201x, Standard for Electrical Inspector Professional Qualifications (new standard)

This Committee shall have primary responsibility for documents on the requirements for professional qualifications, professional competence, training, procedures, and equipment for electrical inspections and electrical plans examinations.

Obtain an electronic copy from: www.nfpa.org/1078next

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

Comment Deadline: October 23, 2018

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

ASME (American Society of Mechanical Engineers)

Revision

BSR/ASME B31T-201x, Standard Toughness Requirements for Piping (revision of ANSI/ASME B31T-2015)

This standard provides requirements for evaluating the suitability of materials used in piping systems for piping that may be subject to brittle failure due to low temperature service conditions.

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: Colleen O'Brien, (212) 591-7881, obrienc@asme.org

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

Addenda

INCITS 540-2018/AM 1-201x, Information technology - Fibre Channel - Non-Volatile Memory Express - Amendment 1 (FC-NVMe-AM 1) (addenda to INCITS 540-2018)

This project will include modifications and clarifications to FC-NVMe (INCITS 540-2018), including association termination processing.

Single copy price: Free

Obtain an electronic copy from: <https://standards.incits.org/apps/org/workgroup/eb/download.php/100576>

Order from: <https://standards.incits.org/apps/org/workgroup/eb/download.php/100576>

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

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

Supplement

INCITS 522-2014/AM 1-201x, Information technology - ATA/ATAPI Command Set - 3 (ACS-3) - Amendment 1 (supplement to INCITS 522-2014)

This amendment adds missing content that was approved for inclusion in ACS-3 (INCITS 522-2014) and fixes known technical errors and typos.

Single copy price: Free

Obtain an electronic copy from: <https://standards.incits.org/apps/org/workgroup/eb/download.php/100670>

Order from: <https://standards.incits.org/apps/org/workgroup/eb/download.php/100670>

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

UL (Underwriters Laboratories, Inc.)

New Standard

BSR/UL 493-201X, Standard for Safety for Thermoplastic-Insulated Underground Feeder and Branch-Circuit Cables (new standard)

Reorganization and New Tenth Edition of UL 493.

Single copy price: Free

Obtain an electronic copy from: <https://csds.ul.com/Home/ProposalsDefault.aspx>

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

BSR/UL 2849-201X, Standard for Safety for Electric Bicycles Electrically Power Assisted Cycles (EPAC Bicycles), Electric Scooters, and Electric Motorcycles (new standard)

1.1 This Standard covers electrical systems of devices designated as eBikes, electric scooters, and electric motorcycles. EBikes include both Pedalec (pedal assist) and non-Pedalec types. Electric scooters and electric motorcycles are intended for over the road use.

1.2 Electrical systems as referenced in 1.1 include onboard electrical systems (see 1.3), offboard charging systems (see 1.4), and vehicle charging systems (see 1.5) of eBikes, electric scooters, and electric motorcycles.

1.3 Onboard electrical systems include any electrical component or system that is located on board the device. This may include motors, motor controllers, interface/controls, battery packs, charging circuitry (which may include on board chargers), and other components or systems.

1.4 Offboard charging systems include individual chargers for charging batteries that are removed from the device during charging, individual chargers for charging batteries that are in place on the device during charging, supply equipment for providing AC power to the device with an onboard charger, or charging systems that consist of multiple charging points such as battery swap type systems or charging rack systems.

1.5 Vehicle Charging Systems include both the onboard electrical system of the device and the offboard charging system.

Single copy price: Free

Obtain an electronic copy from: <https://csds.ul.com/Home/ProposalsDefault.aspx>

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

BSR/UL 6200-201X, Standard for Safety for Controllers for Use in Power Production (new standard)

The requirements for the proposed First Edition of UL 6200 apply to control panels, control units, and other various electrical circuits employed within a control circuit device intended for support functions, maintain operation and limit safety control features for use in a Stationary Engine Driven Assembly or similar power-production equipment control applications.

Single copy price: Free

Obtain an electronic copy from: <https://csds.ul.com/Home/ProposalsDefault.aspx>

Order from: Comm2000, 151 Eastern Avenue, Bensenville, IL 60106 USA, 1-888-853-3503

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

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 S3) (Acoustical Society of America)

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

Contact: *Caryn Mennigke*

Phone: (631) 390-0215

E-mail: asastds@acousticalsociety.org

BSR/ASA S3.46-2013 (R201x), Methods of Measurement of Real-Ear Performance Characteristics of Hearing Aids (reaffirmation of ANSI/ASA S3.46-2013)

ASSP (ASC A10) (American Society of Safety Professionals)

Office: 520 N. Northwest Highway
Park Ridge, IL 60068

Contact: *Tim Fisher*

Phone: (847) 768-3411

E-mail: TFisher@ASSP.org

BSR/ASSP A10.46.201X-201x, Hearing Loss Prevention for Construction and Demolition Workers (revision and redesignation of ANSI/ASSE A10.46-2013)

ESTA (Entertainment Services and Technology Association)

Office: 630 Ninth Avenue
Suite 609
New York, NY 10036-3748

Contact: *Karl Ruling*

Phone: (212) 244-1505

E-mail: standards@esta.org

BSR/E1.65-201x, Recommended practice for the periodic inspection, testing, and maintenance of electrical and electronic equipment used in the entertainment and live event industries (new standard)

BSR/E1.66-201x, Safety Standard for Followspot Positions Erected for Short-term Use in Outdoor Entertainment Venues (new standard)

FCI (Fluid Controls Institute)

Office: 1300 Sumner Avenue
Cleveland, OH 44115

Contact: *Leslie Schraff*

Phone: (216) 241-7333

E-mail: fci@fluidcontrolsinstitute.org

BSR/FCI 18-1-201x, Standard for Sizing and Selection of Type 1 Secondary Pressure Drainers (new standard)

BSR/FCI 18-2-201x, Standard for Installation of Type 1 Secondary Pressure Drainers (new standard)

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

Office: 1101 K Street NW
Suite 610
Washington, DC 20005-3922

Contact: *Deborah Spittle*

Phone: (202) 737-8888

E-mail: comments@standards.incits.org

BSR INCITS 522-2014/AM 1-201x, Information technology - ATA/ATAPI Command Set - 3 (ACS-3) - Amendment 1 (supplement to INCITS 522-2014)

INCITS 540-2018/AM 1-201x, Information technology - Fibre Channel - Non-Volatile Memory Express - Amendment 1 (FC-NVMe-AM 1) (addenda to INCITS 540-2018)

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 41-201x (i9r1), Non-liquid Saturated Treatment Systems (revision of ANSI/NSF 41-2016)

BSR/NSF 419-201x (i8r1), Public Drinking Water Equipment Performance - Membrane Filtration (revision of ANSI/NSF 419-2015)

TIA (Telecommunications Industry Association)

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

Contact: *Teesha Jenkins*

Phone: (703) 907-7706

E-mail: standards@tiaonline.org

BSR/TIA 455-171-B-201x, Attenuation by Substitution Measurement for Short Length Multimode Graded Index and Single-Mode Optical Fiber Cable Assemblies (new standard)

BSR/TIA 604-5-F-201x, FOCIS 5 Fiber Optic Connector Interchangeability Standard - Type MPO (new standard)

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.

ANS (American Nuclear Society)

Reaffirmation

- * ANSI/ANS 10.7-2013 (R2018), Non-Real-Time, High-Integrity Software for the Nuclear Industry - Developer Requirements (reaffirmation of ANSI/ANS 10.7-2013): 8/13/2018
- ANSI/ANS 51.10-1991 (R2018), Auxiliary Feedwater System for Pressurized Water Reactors (reaffirmation of ANSI/ANS 51.10-1991 (R2008)): 8/13/2018

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

New Standard

- ANSI/APCO 1.108.1-2018, Minimum Operational Standards for the Use of TTY/TDD or Similar Device in the Public Safety Communications Center (new standard): 8/16/2018

ASME (American Society of Mechanical Engineers)

New Standard

- ANSI/ASME NM-2-200x, Glass-Fiber-Reinforced Thermosetting Resin Piping Systems (new standard): 8/13/2018
- ANSI/ASME NM-3-2018, Nonmetallic Materials (new standard): 8/16/2018
- ANSI/ASME V&V 40-2018, Standard for Verification and Validation in Computational Methods for Medical Devices (new standard): 8/16/2018

Reaffirmation

- ANSI/ASME B5.11-1964 (R2018), Spindle Noses and Adjustable Adaptors for Multiple Spindle Drilling Heads (reaffirmation of ANSI/ASME B5.11-1964 (R2013)): 8/13/2018
- ANSI/ASME B5.35-1983 (R2018), Machine Mounting Specifications for Abrasive Discs and Plate Mounted Wheels (reaffirmation of ANSI/ASME B5.35-1983 (R2013)): 8/13/2018
- ANSI/ASME B5.47-1972 (R2018), Milling Machine Arbor Assemblies (reaffirmation of ANSI/ASME B5.47-1972 (R2013)): 8/13/2018
- ANSI/ASME PTC 55-2013 (R2018), Gas Turbine Aircraft Engines (reaffirmation of ANSI/ASME PTC 55-2013): 8/13/2018

Revision

- ANSI/ASME B36.19M-2018, Stainless Steel Pipe (revision of ANSI/ASME B36.19M-2004 (R2015)): 8/13/2018
- ANSI/ASME Y14.5-2018, Dimensioning and Tolerancing (revision of ANSI/ASME Y14.5-2009): 8/13/2018

AWS (American Welding Society)

Revision

- ANSI/AWS A5.34/A5.34M-2018, Specification for Nickel-Alloy Flux Cored and Metal Cored Welding Electrodes (revision of ANSI/AWS A5.34/A5.34M-2013): 8/15/2018
- ANSI/AWS G2.3M/G2.3-2018, Guide for the Joining of Solid Solution Austenitic Stainless Steels (revision of ANSI/AWS G2.3M/G2.3-2012): 8/16/2018

AWWA (American Water Works Association)

New Standard

- ANSI/AWWA C621-2018, Internal Pipe Joint Seal Assemblies for Water Service (new standard): 8/16/2018

IEEE (Institute of Electrical and Electronics Engineers)

New Standard

- ANSI/IEEE 45.1-2017, Recommended Practice for Electrical Installations on Shipboard - Design (new standard): 8/16/2018
- ANSI/IEEE 421.6-2017, Recommended Practice for the Specification and Design of Field Discharge Equipment for Synchronous Machines (new standard): 8/16/2018
- ANSI/IEEE C62.42.3-2017, Guide for the Application of Surge-Protective Components in Surge Protective Devices and Equipment Ports - Part 3: Silicon PN-Junction Clamping Diodes (new standard): 8/16/2018

Revision

- ANSI/IEEE 686-2017, Standard for Radar Definitions (revision of ANSI/IEEE 686-2008): 8/17/2018

ISA (International Society of Automation)

New Standard

- ANSI/ISA 62443-4-2-2018, Security for industrial automation and control systems - Part 4-2: Technical security requirements for IACS (new standard): 8/13/2018

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

New National Adoption

- INCITS/ISO/IEC 30105-3:2016 [2018], Information technology - IT Enabled Services -Business Process Outsourcing (ITES-BPO) lifecycle processes - Part 3: Measurement framework (MF) and organization maturity model (OMM) (identical national adoption of ISO/IEC 30105-3:2016): 8/13/2018

NCPDP (National Council for Prescription Drug Programs)

Revision

- ANSI/NCPDP Benefit Integration Standard v13-2018, NCPDP Benefit Integration Standard v13 (revision and redesignation of ANSI/NCPDP Benefit Integration Standard v12-2017): 8/13/2018

NEMA (ASC C8) (National Electrical Manufacturers Association)

Reaffirmation

- ANSI ICEA P-32-382-2006 (R2018), Short Circuit Characteristics of Insulated Conductors (reaffirmation of ANSI ICEA P-32-382-2006 (R2013)): 8/16/2018

Revision

- ANSI ICEA S-115-730-2018, Standard for Multi-Dwelling Unit (MDU) Optical Fiber Cable (revision of ANSI ICEA S-115-730-2012): 8/16/2018

NSF (NSF International)

New Standard

- ANSI/NSF 455-3-2018 (i1r1), Good Manufacturing Practices for Cosmetics (new standard): 7/30/2018

Revision

- ANSI/NSF 42-2018 (i99r1), Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2017): 8/13/2018
- ANSI/NSF 53-2018 (i113r1), Drinking Water Treatment Units - Health Effects (revision of ANSI/NSF 53-2018): 8/13/2018
- ANSI/NSF 55-2018 (i46r1), Ultraviolet Microbiological Water Treatment Systems (revision of ANSI/NSF 55-2017): 8/13/2018
- ANSI/NSF 62-2018 (i35r1), Drinking Water Distillation Systems (revision of ANSI/NSF 62-2017): 8/13/2018
- ANSI/NSF 244-2018 (i2r1), Supplemental Microbiological Water Treatment Systems - Filtration (revision of ANSI/NSF 244-2018): 8/13/2018
- ANSI/NSF 401-2018 (i11r1), Drinking water treatment units - Emerging compounds/incidental contaminants (revision of ANSI/NSF 401-2018): 8/13/2018

OPEI (Outdoor Power Equipment Institute)**Revision**

- ANSI/OPEI B175.4-2018, Standard for Outdoor Power Equipment - Portable, Handheld, Internal Combustion Engine-Powered Cut-Off Machines - Safety and Environmental Requirements (revision of ANSI/OPEI B175.4-2013): 8/13/2018

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

- ANSI/UL 1699B-2018, Standard for Safety for Photovoltaic (PV) DC Arc-Fault Circuit Protection (new standard): 8/10/2018
- ANSI/UL 1699B-2018a, Standard for Safety for Photovoltaic (PV) DC Arc-Fault Circuit Protection (new standard): 8/10/2018

Reaffirmation

- ANSI/UL 732-1997 (R2018), Standard for Safety for Oil-Fired Storage Tank Water Heaters (reaffirmation of ANSI/UL 732-1997 (R2013)): 8/9/2018
- ANSI/UL 1256-2013 (R2018), Standard for Fire Test of Roof Deck Constructions (reaffirmation of ANSI/UL 1256-2013): 8/10/2018

Revision

- ANSI/UL 19-2018, Standard for Safety for Safety for Lined Fire Hose and Hose Assemblies (revision of ANSI/UL 19-2013): 8/13/2018
- * ANSI/UL 73-2018, Standard for Motor-Operated Appliances (revision of ANSI/UL 73-2012): 8/8/2018
- ANSI/UL 73-2018a, Standard for Safety for Motor-Operated Appliances (revision of ANSI/UL 73-2012): 8/8/2018
- ANSI/UL 73-2018b, Standard for Safety for Motor-Operated Appliances (revision of ANSI/UL 73-2012): 8/8/2018
- ANSI/UL 252-2018, Standard for Safety for Compressed Gas Regulators (revision of ANSI/UL 252-2017): 8/9/2018
- ANSI/UL 330B-2018, Standard for Safety for Hose and Hose Assemblies for Use with Dispensing Devices Dispensing Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends with Nominal Biodiesel Concentrations up to 20 Percent (B20), Kerosene, and Fuel Oil (revision of ANSI/UL 330B-2015): 8/9/2018
- ANSI/UL 746B-2018c, Standard for Safety for Polymeric Materials - Long-Term Property Evaluations (revision of ANSI/UL 746B-2018): 8/15/2018
- ANSI/UL 60730-2-14-2018, Automatic Electrical Controls - Part 2-14: Particular requirements for electric actuators (revision of ANSI/UL 60730-2-14-2013 (R2017)): 8/7/2018

VITA (VMEbus International Trade Association (VITA))**Reaffirmation**

- ANSI/VITA 46.4-2012 (R2018), PCIExpress on the VPX Fabric Connector (reaffirmation of ANSI/VITA 46.4-2012): 8/16/2018
- ANSI/VITA 46.6-2013 (R2018), Gigabit Ethernet Control Plane on VPX (reaffirmation of ANSI/VITA 46.6-2013): 8/16/2018
- ANSI/VITA 66.2-2013 (R2018), Optical Interconnect on VPX - ARINC 801 Termini Variant (reaffirmation of ANSI/VITA 66.2-2013): 8/16/2018

Stabilized Maintenance

- ANSI/VITA 46.1-2007 (S2018), VMEbus Signal Mapping on VPX (stabilized maintenance of ANSI/VITA 46.1-2007 (R2013)): 8/16/2018

Correction**Incorrect Designation and Project Intent****ANSI/AWS A4.3-93**

In the Final Actions section of the July 20, 2018 issue of Standards Action, ANSI/AWS A4.3 was listed with an incorrect designation and Project Intent. The correct listing is as follows:

ANSI/AWS A4.3-93 (R2018), Standard Procedures for Determination of Moisture Content of Welding Fluxes and Welding Electrode Flux Coverings (reaffirmation of ANSI/AWS A4.3-93 (R2006)).

Project Initiation Notification System (PINS)

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

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

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

AAFS (American Academy of Forensic Sciences)

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

New Standard

BSR/ASB Std 041-201x, Assigning Propositions for Likelihood Ratios in Forensic DNA Interpretations (new standard)

Stakeholders: Forensic serology practitioners and the Criminal Justice System will be end users.

Project Need: Even though there is a fair body of literature on forming propositions for likelihood ratios for use in forensic DNA profiling, there is not a definitive standard document describing the proper formulation of propositions for forensic DNA profiling and thus no definitive guidance for forensic laboratories. This document gives forensic DNA laboratories the necessary standards required to ensure the proper formulation of propositions.

This standard provides the requirements for the assignment of propositions for the interpretation of DNA profiling evidence using likelihood ratios. It includes requirements regarding practical issues such as case file documentation, conditioning on profiles of assumed contributors, evaluating the weight of evidence for multiple individuals of interest, and assigning the number of contributors.

BSR/ASB Std 077-201x, Standard for the Developmental and Internal Validation of Forensic Serological Methods (new standard)

Stakeholders: Forensic serology practitioners and the Criminal Justice System will be end users.

Project Need: Currently there is no existing standard for the validation of forensic serological methods. This document will assist laboratories with requirements for developmental and internal validations of forensic serological methods to include characterization, sensitivity, specificity, and reproducibility studies.

This standard provides requirements for developmental and internal validations of forensic serological methods to evaluate body fluids, stains, or residues related to forensic investigations. This standard does not address validation of forensic DNA analysis procedures.

ABMSP (American Board of Multiple Specialties in Podiatry)

Contact: Stephen Permison, (301) 537-7019, sbp@standardsbasedprograms.com
555 Eighth Avenue, Suite 1902, New York, NY 10018

New Standard

BSR/ABMSP SDO-001-201x, Inserts for Diabetic Footwear (new standard)

Stakeholders: Medical prescribers of diabetic shoes, diabetic shoe insert manufacturers, and distributors and end-users of diabetic shoes.

Project Need: Clearly stated, product specifications, combined with FDA registration and licensure, CMS product validation and a qualified quality assurance program, assures that product specifications for the inserts recognized by this standard consistently meet the manufacturer's stated specifications.

ABMSP SDO 001 provides a voluntary consensus standard for the manufacture of inserts for diabetic footwear. The standard applies to custom-fabricated, off the shelf (OTS), and library inserts and is supported by current, widely accepted medical practice. It is based on scientific research documented by relevant, peer-reviewed literature, and provider outcomes.

ABYC (American Boat and Yacht Council)

Contact: Sara Moulton, (410) 990-4460, smoulton@abycinc.org
613 Third Street, Suite 10, Annapolis, MD 21403

New Standard

BSR/ABYC A-28-201x, Galvanic Isolators (new standard)

Stakeholders: Surveyors, consumers, insurance personnel, boat manufacturers, engine manufacturers, accessory manufacturers, government, service specialists, and trade associations.

Project Need: This is a performance based standard and guide for the qualification and installation of galvanic isolators, and if applicable, their status monitors, in alternating current (AC) electrical systems on boats.

This standard applies to galvanic isolators and their status monitors used on boats equipped with alternating-current (AC) shore power systems operating at frequencies of 50 or 60 hertz, and less than 300 volts, wired in accordance with ABYC E-11, AC & DC Electrical Systems on Boats.

ASME (American Society of Mechanical Engineers)

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

Revision

BSR/ASME PDS-1.1-200x, Dimensioning, Tolerancing, Surface Texture, and Metrology Standards Rules for Drawings with Incomplete Reference to Applicable Drawing Standard (revision of ANSI/ASME PDS-1.1-2013)

Stakeholders: All those involved in the preparation, and use of mechanical engineering drawings or models, including engineering, designing, drafting, quality control, procurement, production, manufacturing, CAD inspection, and shop personnel.

Project Need: Update document to reflect changes in industry and later editions of referenced standards.

This Standard defines the applicable dimensioning and tolerancing standards, surface texture standards, and associated measurement standards when no reference is made to a company, regional, national, or international standard on dimensioning and tolerancing on a drawing or model.

ASSP (ASC A10) (American Society of Safety Professionals)

Contact: Tim Fisher, (847) 768-3411, TFisher@ASSP.org
520 N. Northwest Highway, Park Ridge, IL 60068

Revision

BSR/ASSP A10.46.201X-201x, Hearing Loss Prevention for Construction and Demolition Workers (revision and redesignation of ANSI/ASSE A10.46-2013)

Stakeholders: Occupational safety and health professionals working with/in the Construction and Demolition industry.

Project Need: Based upon the consensus of the A10 membership via the Construction and Demolition industry.

This standard applies to all construction and demolition workers with potential noise exposures (continuous, intermittent and impulse) of 85 dBA and above. It is intended to help employers prevent occupational hearing loss among construction and demolition workers.

ASTM (ASTM International)

Contact: Laura Klineburger, (610) 832-9696, accreditation@astm.org
100 Barr Harbor Drive, West Conshohocken, PA 19428-2959

New Standard

BSR/ASTM WK64649-201x, New Test Method for Determination of System Fall Height of Turf Playing Systems Using the Hemispherical Procedure E Missile (new standard)

Stakeholders: Artificial Turf Surfaces and Systems industry.

Project Need: The information provided through the use of this test method is intended to assist manufacturers, researchers, and users to determine change in performance over a systems life cycle, assessing potential risk and allow consistent comparison of natural turf grass, natural skin (infield), and synthetic turf playing field systems.

This test method establishes a procedure for measuring and reporting test results based on a minimum of four pre-determined drop heights intended to provide suitable plot curves of drop height verse HIC and drop height verse g-max.

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

New Standard

BSR E1.65-201x, Recommended practice for the periodic inspection, testing, and maintenance of electrical and electronic equipment used in the entertainment and live event industries (new standard)

Stakeholders: Live-event electricians, live-event industry employers, entertainment equipment manufacturers, owners of live-event venues, entertainment-venue safety inspectors.

Project Need: Regular inspections and maintenance are needed for safe electrical installations and equipment use in live event venues.

This document establishes the minimum requirements for periodic inspection and maintenance of electrical systems and equipment used in the entertainment and live event industries. It is intended to complement, not replace, the guidance offered in NFPA 70E, NFPA 70B, NFPA 78, and equipment manufacturer's instructions. It also will assist in identifying the qualifications required for personnel to perform the inspections competently.

BSR E1.66-201x, Safety Standard for Followspot Positions Erected for Short-Term Use in Outdoor Entertainment Venues (new standard)

Stakeholders: Followspot operators, entertainment venue designers, event producers, venue owners, entertainment equipment specifiers and providers.

Project Need: Followspot positions are often erected for short-term use in outdoor venues for entertainment show lighting. There is currently no published guidance specific to them that covers construction, power supply, personnel access, fall protection, and the protection of people (e.g., members of the audience) below the followspot position from falling objects.

The standard will provide minimum specifications for followspot positions erected for short-term use in entertainment venues. These followspot positions are intended to support followspot luminaires and their operators in outdoor locations. The standard will specify provisions for safe worker access, fall protection, protection from weather, and protection from falling objects for workers and members of the public. It also will suggest the power supply requirements.

Revision

BSR E1.53-201x, Overhead mounting of luminaires, lighting accessories, and other portable devices: Specification and practice (revision of ANSI E1.53-2016)

Stakeholders: Stage performers; stage technicians; stage equipment manufacturers; specifiers, retailers, and providers of stage equipment normally mounted on rigging trusses or battens over stages.

Project Need: The "safe working load" and "working load limit" marking requirements need clarification. The current mandatory language cannot fit legibly on some rated primary and secondary suspension devices.

The standard covers specifications for the primary and secondary mounting devices for portable stage and studio luminaires and accessories. It also covers the mounting of these devices for special effects equipment (e.g., fog machines and bubble machines) that are often mounted along with lighting equipment on trusses and rigging system battens. The standard gives guidance on how to properly affix these mounting devices.

FCI (Fluid Controls Institute)

Contact: Leslie Schraff, (216) 241-7333, fci@fluidcontrolsinstitute.org
1300 Sumner Avenue, Cleveland, OH 44115

New Standard

BSR/FCI 18-1-201x, Standard for Sizing and Selection of Type 1 Secondary Pressure Drainers (new standard)

Stakeholders: Manufacturers, users, and specifiers of secondary pressure drainers.

Project Need: The standard was developed to provide manufacturers, users, and specifiers of the products with uniform methods and requirements to conduct performance testing of secondary pressure drainers and to help define the information required for proper sizing and selection of Type 1 Secondary Pressure Drainers (SPD) within systems utilizing steam for heat transfer.

The purpose of this standard is to help define the information required for proper sizing and selection of Type 1 Secondary Pressure Drainers (SPD) within systems utilizing steam for heat transfer. With an understanding of this criteria, it can be applied to these types of systems to provide effective and proper condensate drainage. This is a necessary function of steam-using equipment to maintain consistent heat transfer in a safe environment.

BSR/FCI 18-2-201x, Standard for Installation of Type 1 Secondary Pressure Drainers (new standard)

Stakeholders: Manufacturers, users, and specifiers of secondary pressure drainers.

Project Need: The standard was developed to provide manufacturers, users, and specifiers of the products with uniform methods and requirements for installation of secondary pressure drainers and to help define the information required for proper installation of Type 1 Secondary Pressure Drainers (SPD) within systems utilizing steam for heat transfer.

The purpose of this standard is to help define the information required for proper installation of Type 1 Secondary Pressure Drainers (SPD) within systems utilizing steam for heat transfer. With an understanding of this criteria, it can be applied to these types of systems to provide effective and efficient condensate drainage. This is a necessary function of steam-using equipment to maintain consistent heat transfer.

NAPSA (North American Power Sweeping Association)

Contact: Nancy Terry, (888) 757-0130, info@powersweeping.org

P.O. Box 1166, Lebanon, OH 45036

New Standard

BSR/NAPSA PSS2018-201x, Power Sweeping Standard (new standard)

Stakeholders: Power sweeping contractors, property managers, consumers of sweeping services, real estate owners, government agencies, and any entity that would benefit from power sweeping services.

Project Need: As this is the first standard for the industry, the need is to create a baseline for the industry. From this baseline, we will begin training and will raise the professionalism, quality, and safety of the process of power sweeping.

This standard was drafted by the North American Power Sweeping Association and is intended to cover the power sweeping industry.

NFPA (National Fire Protection Association)

Contact: Dawn Michele Bellis, (617) 984-7246, dbellis@nfpa.org

One Batterymarch Park, Quincy, MA 02169

Revision

BSR/NFPA 20-201x, Standard for the Installation of Stationary Pumps for Fire Protection (revision of ANSI/NFPA 20-2019)

Stakeholders: Insurance, consumer, enforcers, labor, installer/maintainer, special expert, research and testing, users, manufacturers.

Project Need: Public interest and need.

This standard deals with the selection and installation of pumps supplying liquid for private fire protection. The scope of this document shall include liquid supplies; suction, discharge, and auxiliary equipment; power supplies, including power supply arrangements; electric drive and control; diesel engine drive and control; steam turbine drive and control; and acceptance tests and operation. This standard does not cover system liquid supply capacity and pressure requirements, nor does it cover requirements for periodic inspection, testing, and maintenance of fire pump systems. This standard does not cover the requirements for installation wiring of fire pump units.

BSR/NFPA 111-201x, Standard on Stored Electrical Energy Emergency and Standby Power Systems (revision of ANSI/NFPA 111-2019)

Stakeholders: Insurance, consumer, enforcers, labor, installer/maintainer, special expert, research and testing, users, manufacturers.

Project Need: Public interest and need.

This standard shall cover performance requirements for stored electrical energy systems providing an alternate source of electrical power in buildings and facilities in the event that the normal electrical power source fails. Systems covered in this standard shall include power sources, transfer equipment, controls, supervisory equipment, and accessory equipment, including integral accessory equipment, needed to supply electrical power to the selected circuits. This standard shall cover installation, maintenance, operation, and testing requirements as they pertain to the performance of the stored-energy emergency power supply system (SEPPS).

BSR/NFPA 291-201x, Recommended Practice for Fire Flow Testing and Marking of Hydrants (revision of ANSI/NFPA 291-2019)

Stakeholders: Insurance, consumer, enforcers, labor, installer/maintainer, special expert, research and testing, users, manufacturers.

Project Need: Public interest and need.

The scope of this document is fire flow testing and marking of hydrants.

Withdrawal

ANSI/NFPA 16-2019, Standard for the Installation of Foam-Water Sprinkler and Foam-Water Spray Systems (withdrawal of ANSI/NFPA 16-2019)

Stakeholders: Insurance, consumer, enforcers, labor, installer/maintainer, special expert, research and testing, users, manufacturers.

Project Need: Public interest and need.

This standard contains minimum requirements for the design, installation, and maintenance of foam-water sprinkler and spray systems. These systems shall be designed with the required density for either foam or water application as the controlling factor, depending on the design purpose of the system. It is not the intent of this standard to specify where foam-water sprinkler and spray protection is required. The determination of where foam-water sprinkler and spray systems are required shall be made in accordance with such applicable building and fire codes or standards such as NFPA 30, Flammable and Combustible Liquids Code, or NFPA 409, Standard on Aircraft Hangars. This standard shall apply only to systems using low-expansion foam.

SCTE (Society of Cable Telecommunications Engineers)

Contact: Kim Cooney, (800) 542-5040, kcooney@scte.org
140 Philips Rd, Exton, PA 19341

Revision

BSR/SCTE 104-201x, Automation System to Compression System Communications Applications Program Interface (API) (revision of ANSI/SCTE 104-2017)

Stakeholders: Cable Telecommunications industry.

Project Need: Update current technology.

This standard defines the Communications API between an Automation System and the associated Compression System that will insert SCTE 35 private sections into the outgoing Transport Stream. This standard serves as a companion to both SCTE 35 and SCTE 30.

BSR/SCTE 215-1-201x, HEVC Video Constraints for Cable Television - Part 1: Coding (revision of ANSI/SCTE 215-1-2015)

Stakeholders: Cable Telecommunications industry.

Project Need: Update to current technology.

This document defines the coding constraints on ITU-T Rec. H.265 | ISO/IEC 23008-2 video compression (called "HEVC" in this standard) for Cable Television. In particular, this document describes the coding of a single HEVC coded video elementary stream carried in MPEG-2 transport (ISO/IEC 13818-1) for linear delivery systems supporting ad insertion services. Beyond linear delivery with DPI, signaling is provided for segmentation of content for xDVR applications.

BSR/SCTE 215-2-201x, HEVC Video Constraints for Cable Television - Part 2: Transport (revision of ANSI/SCTE 215-2-2015)

Stakeholders: Cable Telecommunications industry.

Project Need: Update current technology.

This document defines the transport constraints on ITU-T Rec. H.265 | ISO/IEC 23008-2 video compression (called "HEVC" in this standard) for Cable Television. In particular, this document describes the transmission of a single HEVC-coded video elementary stream constrained per SCTE 215-1 over MPEG-2 transport (ISO/IEC 13818-1) for linear delivery systems supporting ad insertion services. Beyond linear delivery with DPI, signaling is provided for segmentation of contents for xDVR applications.

UL (Underwriters Laboratories, Inc.)

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

New Standard

BSR/UL 62841-3-1000-201x, Standards for Safety for Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety - Part 3-1000: Particular Requirements for Transportable Laser Engravers (new standard)

Stakeholders: Manufacturers of laser engravers, consumers, users of laser engravers.

Project Need: To obtain national recognition of a standard covering laser engravers used by consumers.

This standard applies to transportable CO2 laser engravers with a laser power not exceeding 60 watts intended to cut, incise a design, engrave, ablate, burn, color, and perform similar processes on material samples inserted into the equipment. This standard does not apply to fiber laser engravers and laser engravers intended for industrial use.

VC (ASC Z80) (The Vision Council)

Contact: Michele Stolberg, 585-387-9913, ascz80@thevisioncouncil.org
225 Reinekers Lane, Alexandria, VA 22314

Revision

BSR Z80.9-201x, Devices for Low Vision (revision of ANSI Z80.9-2010 (R2015))

Stakeholders: Optometrists, ophthalmologists, manufacturers of low-vision devices.

Project Need: Revision in preparation to meet ANSI's 5 year review and in consideration of recent changes made in the similar ISO standard.

This Standard applies to optical and electro-optical devices specified by the manufacturer for use by visually impaired persons as low-vision devices. It specifies optical and mechanical requirements and test methods. It includes devices with optical and/or electrical and/or electronic components used for image capture or display.

BSR Z80.21-201x, General-Purpose Clinical Visual Acuity Charts (revision of ANSI Z80.21-2010 (R2015))

Stakeholders: Optometrists, ophthalmologists, manufacturers of visual acuity displays and visual acuity projector systems.

Project Need: The following items need revision: (1) The standard currently lacks requirements for digital (pixelated) displays commonly used today for visual acuity chart presentation; (2) The standard needs additional requirements for the spectral qualities of background illumination; (3) Normative Annex A needs revision so as to clarify its instructions; (4) An information annex giving recommended letter optotype sets is needed; (5) Editorial correction of some errors is needed.

This standard applies to displays of optotypes for all clinical visual acuity measurement systems that use recognition of high-contrast optotypes and that are designed for general use including optotypes printed on opaque media, those intended for transillumination, electronically generated or projected displays. It does not apply to special testing of visual acuity, e.g., low-vision or low-contrast charts.

American National Standards Maintained Under Continuous Maintenance

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

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

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

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

To obtain additional information with regard to these standards, including contact information at the ANSI Accredited Standards Developer, please visit ANSI Online at www.ansi.org/asd, select "Standards Activities," click on "Public Review and Comment" and "American National Standards Maintained Under Continuous Maintenance." This information is also available directly at www.ansi.org/publicreview

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

ANSI-Accredited Standards Developers Contact Information

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

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|--|--|---|---|
| <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>ASA (ASC S3) Acoustical Society of America 1305 Walt Whitman Road Suite 300 Melville, NY 11747 Phone: (631) 390-0215 Web: www.acousticalsociety.org</p> | <p>ESTA Entertainment Services and Technology Association 630 Ninth Avenue Suite 609 New York, NY 10036-3748 Phone: (212) 244-1505 Web: www.esta.org</p> | <p>NAPSA North American Power Sweeping Association P.O. Box 1166 Lebanon, OH 45036 Phone: (888) 757-0130 Web: www.PowerSweeping.org</p> |
| <p>ABMSP American Board of Multiple Specialties in Podiatry 555 Eighth Avenue Suite 1902 New York, NY 10018 Phone: (301) 537-7019 Web: www.abmsp.org</p> | <p>ASME American Society of Mechanical Engineers Two Park Avenue New York, NY 10016-5990 Phone: (212) 591-8521 Web: www.asme.org</p> | <p>FCI Fluid Controls Institute 1300 Sumner Avenue Cleveland, OH 44115 Phone: (216) 241-7333 Web: www.fluidcontrolsintstitute.org</p> | <p>NCPDP National Council for Prescription Drug Programs 9240 East Raintree Drive Scottsdale, AZ 85260 Phone: (480) 947-1000 ext.134 Web: www.ncdp.org</p> |
| <p>ABYC American Boat and Yacht Council 613 Third Street Suite 10 Annapolis, MD 21403 Phone: (410) 990-4460 Web: www.abycinc.org</p> | <p>ASSP (Safety) American Society of Safety Professionals 520 N. Northwest Highway Park Ridge, IL 60068 Phone: (847) 768-3411 Web: www.asse.org</p> | <p>IEEE Institute of Electrical and Electronics Engineers 445 Hoes Lane Piscataway, NJ 08854 Phone: (732) 562-3854 Web: www.ieee.org</p> | <p>NEMA (ASC C8) National Electrical Manufacturers Association 1300 North 17th Street Rosslyn, VA 22209 Phone: (703) 841-3278 Web: www.nema.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>ASTM ASTM International 100 Barr Harbor Drive West Conshohocken, PA 19428-2959 Phone: (610) 832-9696 Web: www.astm.org</p> | <p>IEST Institute of Environmental Sciences and Technology 1827 Walden Office Square Suite 400 Schaumburg, IL 60173 Phone: (847) 981-0100 Web: www.iest.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 Web: www.ans.org</p> | <p>ATIS Alliance for Telecommunications Industry Solutions 1200 G Street NW Suite 500 Washington, DC 20005 Phone: (202) 662-8654 Web: www.atis.org</p> | <p>ISA (Organization) International Society of Automation 67 Alexander Drive Research Triangle Park, NC 27709 Phone: (919) 990-9228 Web: www.isa.org</p> | <p>NSF NSF International 789 N. Dixboro Road Ann Arbor, MI 48105-9723 Phone: (734) 418-6660 Web: www.nsf.org</p> |
| <p>APCO Association of Public-Safety Communications Officials-International 351 N. Williamson Boulevard Daytona Beach, FL 32114 Phone: (920) 579-1153 Web: www.apcolntl.org</p> | <p>AWS American Welding Society 8669 NW 36th Street # 130 Miami, FL 33166 Phone: (305) 443-9353 EXT 301 Web: www.aws.org</p> | <p>ITI (INCITS) InterNational Committee for Information Technology Standards 1101 K Street NW Suite 610 Washington, DC 20005 Phone: (202) 737-8888 Web: www.incits.org</p> | <p>OPEI Outdoor Power Equipment Institute 341 South Patrick Street Alexandria, VA 22314 Phone: (703) 549-7600 Web: www.opei.org</p> |
| | <p>AWWA American Water Works Association 6666 W. Quincy Ave. Denver, CO 80235 Phone: (303) 347-6178 Web: www.awwa.org</p> | | <p>RESNET Residential Energy Services Network, Inc. 4867 Patina Court Oceanside, CA 92057 Phone: (760) 408-5860 Web: www.resnet.us.com</p> |

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TIA

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Web: www.tiaonline.org

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VC (ASC Z80)

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Web: www.z80asc.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 IEC 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

BANKING AND RELATED FINANCIAL SERVICES (TC 68)

ISO/DIS 23644, Financial instrument global identifier (FIGI) - 11/9/2018, \$112.00

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

ISO/DIS 15190, Medical laboratories - Requirements for safety - 11/12/2008, \$155.00

FLUID POWER SYSTEMS (TC 131)

ISO 3601-1/DAmD1, Fluid power systems - O-rings - Part 1: Inside diameters, cross-sections, tolerances and designation codes - Amendment 1 - 11/5/2018, \$29.00

FOOTWEAR (TC 216)

ISO/DIS 17700, Footwear - Test methods for upper components and insoles - Colour fastness to rubbing and bleeding - 9/6/2018, \$62.00

GEOGRAPHIC INFORMATION/GEOMATICS (TC 211)

ISO/DIS 19136-1, Geographic information - Geography Markup Language (GML) - Part 1: Fundamentals - 9/7/2018, \$269.00

NUCLEAR ENERGY (TC 85)

ISO 15080/DAmD1, Nuclear facilities - Ventilation penetrations for shielded enclosures - Amendment 1 - 9/6/2018, \$40.00

OPTICS AND OPTICAL INSTRUMENTS (TC 172)

ISO/DIS 8600-3, Endoscopes - Medical endoscopes and endotherapy devices - Part 3: Determination of field of view and direction of view of endoscopes with optics - 11/9/2018, \$40.00

PACKAGING (TC 122)

ISO/DIS 22015, Packaging - Accessible design - Handling and manipulation - 9/10/2018, \$88.00

PAPER, BOARD AND PULPS (TC 6)

ISO/DIS 1762, Paper, board, pulps and cellulose nanomaterials - Determination of residue (ash content) on ignition at 525 degrees C - 9/6/2018, \$33.00

ROAD VEHICLES (TC 22)

ISO/DIS 20076, Road vehicles - Test methods and performance requirements for voltage class B connectors - 11/5/2018, \$125.00

ISO/DIS 21498, Electrically propelled road vehicles - Electrical tests for voltage class B components - 9/10/2018, \$119.00

ISO/DIS 21782-1, Electrically propelled road vehicles - Test specification for electric propulsion components - Part 1: General - 9/6/2018, \$58.00

ISO/DIS 21782-2, Electrically propelled road vehicles - Test specification for electric propulsion components - Part 2: Performance testing of motor system - 9/6/2018, \$58.00

ISO/DIS 21782-3, Electrically propelled road vehicles - Test specification for electric propulsion components - Part 3: Performance testing of motor and inverter - 9/6/2018, \$98.00

SHIPS AND MARINE TECHNOLOGY (TC 8)

ISO/DIS 21745, Electronic record books for ships - Technical specification and operational requirements - 11/4/2018, \$71.00

STEEL (TC 17)

ISO/DIS 10679, Steel - Cast tool steel - 11/9/2018, \$40.00

TERMINOLOGY (PRINCIPLES AND COORDINATION) (TC 37)

ISO/DIS 29383, Terminology policies - Development and implementation - 11/4/2018, \$82.00

TOBACCO AND TOBACCO PRODUCTS (TC 126)

ISO/DIS 16055, Tobacco and tobacco products - Monitor test piece - Requirements and use - 9/10/2018, \$67.00

VACUUM TECHNOLOGY (TC 112)

ISO/DIS 3529-1, Vacuum technology - Vocabulary - Part 1: General terms - 11/10/2018, \$53.00

WATER QUALITY (TC 147)

ISO/DIS 21253-1, Water quality - Multi-compound class methods - Part 1: Criteria for the identification of target compounds by gas and liquid chromatography and mass spectrometry - 11/5/2018, \$88.00

ISO/DIS 21253-2, Water quality - Multi-compound class methods - Part 2: Criteria for the quantitative determination of organic substances using a multi-compound class analytical method - 11/5/2018, \$53.00

WATER RE-USE (TC 282)

ISO/DIS 22519, Purified water and water for injection pretreatment and production systems - 9/8/2018, \$107.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 8824-1/DAMd1, Information technology - Abstract Syntax Notation One (ASN.1): Specification of basic notation - Amendment 1 - 11/2/2018, \$29.00

ISO/IEC 24800-2/DAMd2, Information technology - JPSearch - Part 2: Registration, identification and management of schema and ontology - Amendment 2: Registration procedure of JPOnTo - 11/2/2018, \$29.00

ISO/IEC 29199-2/DAMd2, Information technology - JPEG XR image coding system - Part 2: Image coding specification - Amendment 2: Additional color signal type identifiers - 11/2/2018, \$40.00

ISO/IEC DIS 15434, Information technology - Automatic identification and data capture techniques - Syntax for high-capacity ADC media - 9/10/2018, \$71.00

ISO/IEC DIS 18013-2, Information technology - Personal identification - ISO-compliant driving licence - Part 2: Machine-readable technologies - 9/6/2018, \$146.00

ISO/IEC DIS 19823-21, Information technology - Conformance test methods for security service crypto suites - Part 21: Crypto suite SIMON - 11/5/2018, \$82.00

ISO/IEC DIS 19823-22, Information technology - Conformance test methods for security service crypto suites - Part 22: Crypto suite SPECK - 11/5/2018, \$82.00

ISO/IEC DIS 21000-22, Information technology - Multimedia framework (MPEG-21) - Part 22: User Description - 11/5/2018, \$203.00

IEC Standards

C/2145/DV, Draft IEC Guide 104 Edition 5, The preparation of safety publications and the use of basic safety publications and group safety publications, 2018/12/7

4/359/FDIS, IEC 62097/AMD1 ED1: Hydraulic machines, radial and axial - Methodology for performance transposition from model to prototype, 2018/9/28

7/678/NP, PNW 7-678: IEC 62641 Ed. 1.0: Conductors for overhead lines - Aluminium and aluminium alloy wires for concentric lay stranded conductors, 2018/11/9

21/965/CDV, IEC 60095-6 ED1: Lead-Acid Starter Batteries - Part 6: Batteries for Micro-Cycle Applications, 2018/11/9

21/966/CDV, IEC 60095-7 ED1: Lead-Acid Starter Batteries - Part 7: General requirements and methods of test for motorcycle batteries, 2018/11/9

46C/1107/FDIS, IEC 62783-1 ED1: Twinax cables for digital communications - Part 1: Generic specification, 2018/9/28

47/2507/CD, IEC 62435-7 ED1: Long-term storage of electronic components - Part 7: Micro-electromechanical devices, /2018/10/1

48D/681/CDV, IEC 60917-1 ED2: Modular order for the development of mechanical structures for electronic equipment practices - Part 1: Generic standard, 2018/11/9

57/2032/FDIS, IEC 62351-4 ED1: Power systems management and associated information exchange - Data and communications security - Part 4: Profiles including MMS, 2018/9/28

59D/455/CDV, IEC 60704-2-16 ED1: Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-16: Particular requirements for washer-dryers, 2018/11/9

59L/162/FDIS, IEC 62947-1 ED1: Electrically operated spray toilet seats for household and similar use - Methods for measuring the performance - Part 1: General test methods of spray seats, 2018/9/28

62D/1618/FDIS, ISO 80369-1 ED2: Small-bore connectors for liquids and gases in healthcare applications - Part 1: General requirements, 2018/9/28

65E/607/CDV, IEC 62541-6 ED3: OPC Unified Architecture - Part 6: Mappings, 2018/11/9

65E/609/CDV, IEC 62541-8 ED3: OPC Unified Architecture - Part 8: Data Access, 2018/11/9

65E/610/CDV, IEC 62541-9 ED3: OPC Unified Architecture - Part 9: Alarms and conditions, 2018/11/9

65E/611/CDV, IEC 62541-10 ED3: OPC Unified Architecture - Part 10: Programs, 2018/11/9

65E/608/CDV, IEC 62541-7 ED3: OPC Unified Architecture - Part 7: Profiles, 2018/11/9

65E/601/CDV, IEC 62541-3 ED3: OPC unified architecture - Part 3: Address Space Model, 2018/11/9

65E/613/CDV, IEC 62541-13 ED2: OPC Unified Architecture - Part 13: Aggregates, 2018/11/9

65E/619/CD, IEC 62714-4 ED1: Engineering data exchange format for use in industrial automation systems engineering - Automation Markup Language - Part 4: Logic, 2018/11/9

65E/612/CDV, IEC 62541-11 ED2: OPC Unified Architecture - Part 11: Historical Access, 2018/11/9

65E/602/CDV, IEC 62541-4 ED3: OPC Unified Architecture - Part 4: Services, 2018/11/9

65E/603/CDV, IEC 62541-5 ED3: OPC Unified Architecture - Part 5: Information Model, 2018/11/9

82/1461/CD, IEC 60904-10 ED3: Photovoltaic devices - Part 10: Methods of linearity measurement, 2018/11/9

82/1460/CD, IEC 61701 ED3: Salt mist corrosion testing of photovoltaic (PV) modules, /2018/10/1

88/698/DTR, IEC TR 61400-21-3 ED1: Wind energy generation systems - Part 21-3: Wind turbine harmonic model and its application, /2018/10/1

88/689/CDV, IEC 61400-27-1 ED2: Wind energy generation systems - Part 27-1: Electrical simulation models - Generic models, 2018/11/9

88/690/CDV, IEC 61400-27-2 ED1: Wind energy generation systems - Part 27-2: Electrical simulation models - Model validation, 2018/11/9

100/3140/CD, IEC 60728-11 ED5: Cable networks for television signals, sound signals and interactive services - Part 11: Safety (TA 5), /2018/10/1

100/3139/CD, IEC 62760/AMD1 ED1: Audio reproduction method for normalized loudness level (TA 20), 2018/11/9

115/197/DTS, IEC TS 61973/AMD1 ED1: High voltage direct current (HVDC) substation audible noise, 2018/11/9

124/42/CD, IEC TR 63203-250-1 ED1: Wearable electronic devices and technologies - Part 250-1: Electronic Textile - Snap button connectors for e-textile wears and detachable electronic devices, /2018/10/1

CIS/A/1262/FDIS, CISPR 16-1-4 ED4: Specification for radio disturbance and immunity measuring apparatus and methods - Part 1-4: Radio disturbance and immunity measuring apparatus - Antennas and test sites for radiated disturbance measurements, 2018/9/28

CIS/F/747/CD, CISPR 14-2/AMD1/FRAG3 ED2: Fragment 3 of Amendment 1: Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus - Part 2: Immunity - Product family standard, /2018/10/1

SyCSmartEnergy/93/CD, IEC TR 62559-4 ED1: Use Case methodology - Part 4: Best Practices in Use Case Development for IEC standardization processes and some examples for application outside standardization, /2018/10/1



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

BIOLOGICAL EVALUATION OF MEDICAL AND DENTAL MATERIALS AND DEVICES (TC 194)

[ISO 10993-1:2018](#), Biological evaluation of medical devices - Part 1: Evaluation and testing within a risk management process, \$185.00

EQUIPMENT FOR FIRE PROTECTION AND FIRE FIGHTING (TC 21)

[ISO 7202:2018](#), Fire protection - Fire extinguishing media - Powder, \$162.00

FASTENERS (TC 2)

[ISO 4042:2018](#), Fasteners - Electroplated coating systems, \$209.00

[ISO 10683:2018](#), Fasteners - Non-electrolytically applied zinc flake coating systems, \$162.00

GEOTECHNICS (TC 182)

[ISO 22477-5:2018](#), Geotechnical investigation and testing - Testing of geotechnical structures - Part 5: Testing of grouted anchors, \$185.00

HYDROGEN ENERGY TECHNOLOGIES (TC 197)

[ISO 16111:2018](#), Transportable gas storage devices - Hydrogen absorbed in reversible metal hydride, \$185.00

NON-DESTRUCTIVE TESTING (TC 135)

[ISO 19232-5:2018](#), Non-destructive testing - Image quality of radiographs - Part 5: Determination of the image unsharpness and basic spatial resolution value using duplex wire-type image quality indicators, \$68.00

PLASTICS (TC 61)

[ISO 19927:2018](#), Fibre-reinforced plastic composites - Determination of interlaminar strength and modulus by double beam shear test, \$138.00

[ISO 20975-2:2018](#), Fibre-reinforced plastic composites - Determination of laminate through-thickness properties - Part 2: Determination of the elastic modulus, the strength and the Weibull size effects by flexural test of unidirectional laminate, for carbon-fibre based systems, \$103.00

STERILIZATION OF HEALTH CARE PRODUCTS (TC 198)

[ISO 18472:2018](#), Sterilization of health care products - Biological and chemical indicators - Test equipment, \$162.00

THERMAL INSULATION (TC 163)

[ISO 9869-2:2018](#), Thermal insulation - Building elements - In-situ measurement of thermal resistance and thermal transmittance - Part 2: Infrared method for frame structure dwelling, \$162.00

TOBACCO AND TOBACCO PRODUCTS (TC 126)

[ISO 21045:2018](#), Tobacco and tobacco products - Determination of ammonia - Method using ion chromatographic analysis, \$68.00

TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY (TC 23)

[ISO 9644:2018](#), Agricultural irrigation equipment - Pressure losses in irrigation valves - Test method, \$138.00

WELDING AND ALLIED PROCESSES (TC 44)

[ISO 24373:2018](#), Welding consumables - Solid wires and rods for fusion welding of copper and copper alloys - Classification, \$68.00

ISO Technical Reports

ROBOTS AND ROBOTIC DEVICES (TC 299)

[ISO/TR 20218-1:2018](#), Robotics - Safety design for industrial robot systems - Part 1: End-effectors, \$138.00

ISO Technical Specifications

ACOUSTICS (TC 43)

[ISO/TS 12913-2:2018](#), Acoustics - Soundscape - Part 2: Data collection and reporting requirements, \$162.00

SMALL TOOLS (TC 29)

[ISO/TS 13399-314:2018](#), Cutting tool data representation and exchange - Part 314: Creation and exchange of 3D models - Cartridges for indexable inserts, \$138.00

ISO/IEC JTC 1, Information Technology

[ISO/IEC 10373-3:2018](#), Identification cards - Test methods - Part 3: Integrated circuit cards with contacts and related interface devices, \$185.00

[ISO/IEC 23008-6:2018](#), Information technology - High efficiency coding and media delivery in heterogeneous environments - Part 6: 3D audio reference software, \$45.00

IEC Standards

FLUIDS FOR ELECTROTECHNICAL APPLICATIONS (TC 10)

[IEC 60156 Ed. 3.0 b:2018](#), Insulating liquids - Determination of the breakdown voltage at power frequency - Test method, \$117.00

[S+ IEC 60156 Ed. 3.0 en:2018 \(Redline version\)](#), Insulating liquids - Determination of the breakdown voltage at power frequency - Test method, \$152.00

LAMPS AND RELATED EQUIPMENT (TC 34)

[IEC 62707-1 Ed. 1.1 b:2018](#), LED-binning - Part 1: General requirements and white colour grid intended for automotive applications intended for automotive applications, \$293.00

[IEC 62707-1 Amd.1 Ed. 1.0 b:2018](#), Amendment 1 - LED-binning - Part 1: General requirements and white colour grid intended for automotive applications intended for automotive applications, \$23.00

ROTATING MACHINERY (TC 2)

[IEC 60034-14 Ed. 4.0 b:2018](#), Rotating electrical machines - Part 14: Mechanical vibration of certain machines with shaft heights 56 mm and higher - Measurement, evaluation and limits of vibration severity, \$117.00

[S+ IEC 60034-14 Ed. 4.0 en:2018 \(Redline version\)](#), Rotating electrical machines - Part 14: Mechanical vibration of certain machines with shaft heights 56 mm and higher - Measurement, evaluation and limits of vibration severity, \$152.00

SAFETY OF HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES (TC 61)

[IEC 60335-2-21 Ed. 6.1 b:2018](#), Household and similar electrical appliances - Safety - Part 2-21: Particular requirements for storage water heaters, \$264.00

[IEC 60335-2-21 Amd.1 Ed. 6.0 b:2018](#), Amendment 1 - Household and similar electrical appliances - Safety - Part 2-21: Particular requirements for storage water heaters, \$12.00

[IEC 60335-2-31 Amd.2 Ed. 5.0 b:2018](#), Amendment 1 - Household and similar electrical appliances - Safety - Part 2-31: Particular requirements for range hoods and other cooking fume extractors, \$12.00

[IEC 60335-2-31 Ed. 5.2 b:2018](#), Household and similar electrical appliances - Safety - Part 2-31: Particular requirements for range hoods and other cooking fume extractors, \$205.00

Proposed Foreign Government Regulations

Call for Comment

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

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

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

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

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

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

Information Concerning

American National Standards

Call for Members

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

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

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

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

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

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

Society of Cable Telecommunications

ANSI Accredited Standards Developer

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

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

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

International Organization for Standardization

Call for U.S. Participants

ISO Guide 82 – Guidelines for Addressing Sustainability in Standards

Please be advised that the ISO Technical Management Board (ISO/TMB) has agreed to do a limited revision to ISO Guide 82 to include information on how ISO standards can support the UN Sustainable Development Goals. The revision will be limited to including content related to how ISO standards relate to and/or support the SDGs. The rest of ISO Guide 82 will not be not up for revision at this time.

ANSI is seeking U.S. experts to serve on the U.S. Virtual Technical Advisory Group (VTAG) to support this revision. It is anticipated that this project will start in early October, and is supposed to last one year.

Experts interested in participating on the U.S. VTAG for revising ISO Guide 82 should contact ANSI's Daniel Wisner by e-mail at dwisner@ansi.org.

Call for U.S. TAG Administrator

ISO/TC 244 – Industrial Furnaces and Associated Processing Equipment

ANSI has been informed that the Industrial Heating Equipment Association (IHEA), the ANSI-accredited U.S. TAG Administrator for ISO/TC 244, wishes to relinquish their role as U.S. TAG Administrator.

ISO/TC 244 operates under the following scope:

Standardization of the requirements for industrial thermoprocessing equipment (e.g. heated enclosures such as furnaces, ovens, kilns, lehrs and dryers) and associated processing equipment.

The scope includes, but is not limited to, requirements for safety, energy efficiency (including exergy), design, construction, operation, processes and quality control of processed material.

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

Meeting Notices

Accredited Standards Committee (ASC) B109 Standards B109.1, B109.2, B109.3, and B109.4

Meeting Date: October 22, 2018; 8:00 AM – 4:00 PM CST

Meeting Location: Omni Forth Worth Hotel, 1300 Houston Street, Fort Worth, Texas (Teleconference information available upon request)

Purpose: This is the annual ANSI B109 meeting. Updates will be given for each of the B109 standards. Breakout sessions for B109.1, B109.2, B109.3, and B109.4 will follow the main meeting.

Please register on line at www.aga.org. For more information, contact Jeff Meyers, jmeyers@aga.org.

ASSP (ASC Z10) Committee

The next meeting of the Z10 Committee for Occupational Health & Safety Management Systems will take place November 27-30, 2018 in the Chicago Land area.

For questions or interest in attending, please contact ASSP for more information: Tim Fisher, TFisher@assp.org, (847) 768-3411.

CSA Group

The Natural Gas Transportation Technical Committee

The Natural Gas Transportation Technical Committee will meet on October 16, 2018 at 8:00 AM (CST) at the Omni La Mansión del Rio, 112 College Street, San Antonio, TX.

Guests planning to attend the meeting are required to notify the project manager listed below in advance of the meeting and provide a brief explanation of interest. If you wish to present specific comments on an item of business, you are required to notify the project manager in writing no later than September 21, 2018. The notification shall include a copy of the any material proposed for presentation to the Technical Committee. For information, please contact project manager, Julie Cairns, at julie.cairns@csagroup.org.

The Hydrogen Transportation Technical Committee

The Hydrogen Transportation Technical Committee will meet on October 16, 2018 at 12:30 PM (CST) at Omni La Mansión del Rio, 112 College Street, San Antonio, TX.

Guests planning to attend the meeting are required to notify the project manager listed below in advance of the meeting, and provide a brief explanation of interest. If you wish to present specific comments on an item of business, you are required to notify the project manager in writing no later than September 21, 2018. The notification shall include any material proposed for presentation to the Technical Committee. For more information, please contact Project Manager, Sara Marxen, at sara.marxen@csagroup.org.

Accredited Standards Committee Z87 on Safety Standards for Eye Protection

The Accredited Standards Committee Z87 on Safety Standards for Eye Protection will next meet as noted:

Wednesday, October 10, 2018

9:00 AM – 4:00 PM

3M Innovation Center

1425 K Street, NW #300

Washington, DC 20005

Meeting space is limited and is available on a first-come, first-serve basis. If you have questions or are interested in attending the Z87 Committee meeting, please contact Cristine Z. Fargo, Director - Member and Technical Services at 703-525-1695 or cfargo@safetyequipment.org.

ANSI-Accredited TAG to ISO: U.S. TAG to ISO TC 299, Robotics

Meeting format: Remote via WebEx

Purpose: Discuss updates to procedures for appointing U.S. members to delegations for upcoming meetings of ISO TC 299 and its Working Groups (WGs); and for developing the U.S. position for documents under ballot by TC 299; and to determine delegates to the upcoming meetings in Delft, the Netherlands (TC 299 WG 1, WG 2, WG 4, and WG 6).

Day/Date/Time: Monday, September 24, 2018, 1 – 3 PM (Eastern time)

For more information: Contact Carole Franklin, cfranklin@robotics.org.

ANSI-Accredited TAG to ISO: U.S. TAG to ISO TC 299, Robotics.

Meeting format: Remote via WebEx

Purpose: Receive reports from delegates to completed meetings in Collingwood, Ontario, Canada (ISO TC 299/ WG 3) and Delft, the Netherlands (TC 299 WG 1, WG 2, WG 4, and WG 6).

Day/Date/Time: Thursday, November 1, 2018, 1 – 3 PM (Eastern time)

For more information: Contact Carole Franklin, cfranklin@robotics.org.

ANSI-Accredited Standards Committee: R15.06, Industrial Robot Safety.

Meeting format: In Person, in Detroit, MI.

Purpose: Resolve comments for draft Technical Report (TR) 706.

Day/Date/Time: Friday, October 12, 2018 (7 AM – 3 PM, Eastern time)

For more information: Contact Carole Franklin, cfranklin@robotics.org.

ANSI-Accredited Standards Committee: R15.08, Industrial Mobile Robot Safety.

Meeting format: In Person, in Gaithersburg, MD.

Purpose: Resolve comments for R15.08 Part 1, Guidance to Manufacturers; refine Part 1 to ballotable status following the meeting; discuss plan and content for Part 2, Guidance to Integrators.

Day/Date/Time: Tuesday – Thursday, November 6 – 8, 2018

For more information: Contact Carole Franklin, cfranklin@robotics.org.

ANSI/ACCA 4 QM 201X *Maintenance of Residential Systems* redline changes for 30 day review (August 24-September 23).

1. 3.3.6 ~~Industry standards:~~ Testing and Maintenance Procedures: Follow recognized OEM maintenance procedures and guidance ~~industry standards (see Appendix A for examples).~~

2. 5.4.2 The HVAC contractor shall have the discretion to recommend increasing maintenance tasks, or frequency of inspection, to address deficiencies if unacceptable performance is found during successive inspections. For 'heating-only' and/or 'cooling only' equipment that are seasonally operated, the contractor shall have the discretion to recommend that the frequency of inspections are decreased from 'semiannually' to 'annually.'

3. **Checklist 5.6 Electric Furnace**
Inspection Task j: Test electric heater's ~~capacity and~~ sequence of operation.

4. **Checklist 5.8 Condensing Unit**
Maintenance Task k: Test all oil stained joints and components for leaks, ~~clean or repair as necessary.~~ Record leak locations.

5. **Checklist 5.9 Fan Coil Blower Assembly**
Maintenance Task k: ~~Replace if necessary to ensure proper operation~~ Adjust as needed, record when drives are not functioning properly.
Frequency Maintenance Task k: Semiannually
Service Task Recommended Corrective Action k: Repair or replace as necessary.

6. **Checklist 5.11 Oil Boiler**
Maintenance Task cc: Disconnect the cad cell and run the burner and time lockout. ~~Replace~~ Record when safety control if timing exceeds OEM's specifications.
Frequency of Maintenance Task: Annually
Service Task Recommended Corrective Action cc: Repair or replace as necessary.

7. **5.13-HP Additional Tasks for Package Heat Pumps**
Maintenance Task d: Ensure condensate drain ports are open and elevated above obstructions to allow free flow of condensate or per local code for seasonal obstructions like snow.
Frequency of Maintenance Task: Semiannually
Service Task Recommended Corrective Action d: Repair or replace as necessary.

ASME B16.40-2013
(Revision of ASME B16.40-2009)

2013

Manually Operated Thermoplastic Gas Shutoffs and Valves in Gas Distribution Systems

August, 2018 Draft

TENTATIVE
SUBJECT TO REVISION OR WITHDRAWAL
Specific Authorization Required for Reproduction or Quotation
ASME Standards and Certification

MANUALLY OPERATED THERMOPLASTIC GAS SHUTOFFS AND VALVES IN GAS DISTRIBUTION SYSTEMS

1 SCOPE

1.1 General

(a) This Standard covers manually operated thermo-plastic valves in nominal valve sizes $\frac{1}{2}$ through 12. These valves are intended for use below ground in thermoplastic fuel gas distribution mains and service lines. The maximum operating pressure (MOP) at which such distribution piping systems may be operated is in accordance with the Code of Federal Regulations (CFR) Title 49, Part 192, Transportation of Natural and Other Gas by Pipeline; Minimum Safety Standards, for temperature ranges of -20°F to 140°F (-29°C to 60°C).

(b) This Standard sets qualification requirements for each basic valve design as a necessary condition for demonstrating conformance to this Standard.

(c) This Standard sets requirements for newly manufactured valves for use in below-ground piping systems for fuel gas [includes synthetic natural gas (SNG)] and liquefied petroleum (LP) gases (distributed as a vapor, with or without the admixture of air) or mixtures thereof.

1.2 References

Standards and specifications referenced under this Standard are shown in Mandatory Appendix II.

1.3 Conversion

For the purpose of determining conformance with this Standard, the convention for fixing significant digits, where limits maximum or minimum values are specified, shall be "rounded off" as defined in ASTM Practice E29. This requires that an observed or calculated value shall be rounded off to the nearest unit in the last right-hand digit used for expressing the limit. Decimal values and tolerances do not imply a particular method of measurement.

1.4 Relevant Units

The values stated in either inch or metric units are to be regarded separately as standard. Within the text, the values stated in each system are not exact equivalents; therefore, each system must be used independently of the other. Combining values from the two systems may result in nonconformance with the Standard.

1.5 Definitions

basic valve design: for a given valve design, each variation in material, size, or configuration of molded pressure-containing parts shall constitute a different basic valve design, except where minor design variations are produced by differences in machining of the same molded piece(s) to produce different end sizes or dimensional ratios (DRs).

DR: the dimensional ratio defined as the pipe outside diameter (O.D.) divided by the pipe wall thickness, t .
 $DR = \text{O.D.}/t$.

DRv: the valve DR equivalent is the designated valve DR based on the lowest DR of the ~~ASTM D2513~~ pipe ends used in long-term hydrostatic testing under this Standard.

fasteners: nuts, bolts, washers, clip rings, and other

(Insert after "...Standard.")
ASTM D2513 shall be the standard used for PE and ASTM F2945 shall be the standard used for PA-11.

NVS: nominal valve size.

pressure: unless otherwise stated, pressure is gage pressure.

production pressure tests: pressure tests that include seat and closure-member and shell tests.

seat and closure-member test: an internal pressure test of closure-sealing elements (seats, seals, and closure members, such as gate, disc, ball, or plug).

shell test: an internal pressure test of the pressure-containing envelope.

valve design pressure: the pressure calculated by the method described in Mandatory Appendix I using the valve shell material's Hydrostatic Design Basis (HDB) at 73°F (23°C).

1.6 Quality Systems

Nonmandatory requirements relating to the product manufacturer's Quality System Program are described in Nonmandatory Appendix A.

ASME B16.40

(b) PA-11 valve stub-ends that conform to the applicable dimensions of ASTM F2945 or F1733

2 CONSTRUCTION

2.1 General

(a) The workmanship, fabrication and assembly of each valve shall provide gas tightness, safety and reliability of performance, and freedom from injurious imperfections and defects.

(b) Design details not addressed in this Standard are the responsibility of the manufacturer.

2.2 Materials

2.2.1 Valve Shell. The pressure-containing valve shell shall be made from either polyethylene (PE) or polyamide 11 (PA-11) materials specified in and qualified to the requirements for pipe and fittings as listed in ASTM D2513.

2.2.2 Parts Other Than the Valve Shell. Parts other than the valve shell, which contribute to pressure containment or retaining differential pressure across the closure

(Insert after "...D2513") or F2945

1.1(c). Such valve-operating tools and, in addition, shall provide long-term pressure-containment integrity consistent with the valve shell. The sustained pressure tests of para. 6.3.3 shall qualify the design and material selected for these parts, which include, but are not limited to, the closure member, stems or shafts (if they are designed to retain pressure), and fasteners retaining shell sections.

2.2.3 Lubricants and Sealants. Lubricants and sealants shall be resistant to the action of gases referred to in para. 1.1(c). Lubricated valves, as defined in para. 1.5, are not within the scope of this Standard.

2.2.4 Responsibility. When service conditions, such as gases having high hydrogen content or compounds likely to form condensate, dictate special materials considerations, it is the users' responsibility to specify this information to the manufacturer.

3 CONFIGURATION

3.1 Operating Indication

(a) Valves designed for one-quarter turn operation shall be designed to visually show the open and closed position of the valve. A rectangular stem head with an arrow thereon or a separate position indicator shall indicate the closed position of the valve port when the longitudinal axis of the stem head or indicator is perpendicular to the axis of the connecting pipe. If a separate indicator is used, it shall be designed such that it cannot be assembled to incorrectly indicate the position of the valve.

(b) Valves designed for more than one-quarter turn operation shall close by clockwise stem rotation, unless otherwise specified by the user. The direction for closing the valve shall be indicated.

3.2 Valve End Design

Delete

Valve ends shall be designed to one or more of the following, unless otherwise specified by the user:

(a) PE or PA-11 valve stub-ends that conform to the applicable dimensions of ASTM D3261, F1733, or D2513

(b) polyethylene socket ends that conform to the applicable dimensions listed in Tables 1 and 2 of ASTM D2683

(c) integral mechanical joints that meet the requirements of the applicable paragraphs under CFR, Title 49, Part 192, Subpart F, Joining of Material Other Than by Welding

4 PRESSURE RATING

4.1 Maximum Pressure Rating

The maximum pressure rating of each valve is the valve design pressure as defined in para. 1.5 for service from -20°F to 140°F (-29°C to 60°C).

4.2 Design Pressure

The design pressure of the valve shall be limited to the maximum service pressure permitted for plastic pipe as specified in 49 CFR, Part 192.123.

5 MARKING

Each valve shall be clearly marked to show the following:

(a) (Insert after "...D2513") or F2945

(b) the NVS.

(c) the pressure shell material designation code as specified in ASTM D 2513.

(d) DRv.

(e) each molded pressure shell part shall be marked with the date it was molded. Valve shells that are not molded shall be stamped with the date of manufacture using low-stress stamping.

The markings specified in paras. 5(a) and (f) shall be permanently affixed to or be incorporated as part of the

(Insert after "...stamping.")

An identifier traceable to the date of manufacture may be used as a substitute for date markings.

6 PRODUCTION AND QUALIFICATION TESTING

6.1 General

(a) Gas tightness of production valves shall be demonstrated by subjecting each valve to shell and seat tests in accordance with para. 6.2.

(b) Each basic valve design shall be qualified by testing randomly selected production valves in accordance with para. 6.3.

ASME B16.40

Table 1 Duration of Test

| Nominal Valve Size | Minimum Time Duration, sec |
|--------------------|----------------------------|
| 2 and smaller | 15 |
| Over 2 to 6 | 30 |
| Over 6 | 60 |

(c) Leak test fluid shall be air or other gas. During leakage testing, there shall be no visible leakage (breaking away or buildup of bubbles) as measured by the immersion or leak detection solution methods. If immersion is used, the depth from the water surface shall be no more than 12 in. (300 mm). Other means of leak detection may be used, provided they can be shown to be equivalent in leak detection sensitivity.

6.2 Production Testing

6.2.1 Shell Test. Each valve shall be tested at 4 psi \pm 2 psi (0.28 bar \pm 0.14 bar) and at a minimum of 1.5 times the design pressure. The test pressure shall be applied to all pressure-containing areas of the valve (including stem seals and valve ends). This may require that the valve be in the partially open position. The shell test shall be conducted at a temperature of 73°F \pm 15°F (23°C \pm 8°C). The test fixturing shall not restrain the valve against any mode of failure or leakage. The minimum duration of each of the two shell tests shall be as shown in Table 1.

6.2.2 Seat Test. Each valve shall be seat closure tested at 4 psi \pm 2 psi (0.28 bar \pm 0.14 bar) and at a minimum of 1.5 times the valve design pressure. These pressures shall be applied successively on each side of the valve seat(s) to check the valve-sealing performance in both directions. The seat test shall be conducted at a temperature of 73°F \pm 15°F (23°C \pm 8°C). The seat test's fixturing shall not restrain the valve against any mode of failure or leakage. The minimum duration of each portion of the test shall be as shown in Table 1.

6.3 Qualification Testing

6.3.1 Operational Test. It shall be demonstrated that each nominal size of each basic valve design is capable of successfully passing the seat leakage test of para. 6.2.2, after having completed ten (10) open and closed cycles at 73°F \pm 15°F (23°C \pm 8°C). The valve shall be pressurized with air or other gas to the design pressure at one port with the other port open to atmosphere before opening on each cycle. At the start of each cycle, the operating torque shall be measured and not exceed those in Table 2 for -20°F (-29°C).

6.3.2 Temperature Resistance. It shall be demonstrated that each nominal size of each basic valve design is capable of being operated at temperatures of

-20°F \pm 5°F (-29°C \pm 3°C) and 140°F \pm 5°F (60°C \pm 3°C) without visible leakage to atmosphere and without affecting the internal seat-sealing performance of the valve. The method of test is as follows. A closed valve shall be cooled to a temperature of -20°F \pm 5°F (-29°C \pm 3°C) and held there for an 18-hr minimum. The valve shall then be pressurized with air or gas to a differential pressure across the seat equal to the valve design pressure.

The valve shall then be opened against the applied-differential pressure, using a torque less than or equal to that of Table 2 at the -20°F (-29°C) values and then closed (no differential pressure across the seat required). The valve shall then be tested to meet the requirements of para. 6.2 while at -20°F (-29°C), except nonfreezing leak-detection agents shall be used. The valve shall then be heated to a temperature of 140°F \pm 5°F (60°C \pm 3°C) and held there for an 18-hr minimum. The closed valve shall then be pressurized with air or other gas to a differential pressure across the seat equal to the valve's design pressure at 140°F (60°C). The valve shall then be opened against the applied-differential pressure using a torque less than or equal to that of Table 2 [140°F (60°C)] values and then closed (no differential pressure across the seat required). The valve shall then be tested to and meet the requirements of para. 6.2, while at 140°F (60°C).

6.3.3 Sustained-Pressure Test. Each basic valve design shall be subjected to the sustained-pressure tests described herein to evaluate the long-term pressure integrity of the valve shell and closure elements. All valves shall be in the open position for the Pressure-Boundary Test [see para. 6.3.3(a)] and in the closed position for the Valve Closure Test [see para. 6.3.3(b)].

For both PE and PA-11, Table 3 offers two choices of pressures and duration times for the sustained pressure test. The valve manufacturer ~~may choose to~~ test for 1,000 hr at the lower listed pressures, depending on valve DR, or for 170 hr at the higher listed pressures. Either choice is valid. The valve manufacturer is not required to perform both tests.

The valves shall not fail, as defined in ASTM D1598, when subjected to the sustained pressure test.

(a) *Pressure-Boundary Test.* Six samples of each basic valve design shall be connected at both ends to thermowall thickness of a length of diameter or 20 in. (510 mm), assemblies shall be subjected to pressure chosen from the sustained pressure and duration durations as listed in

Table 3. The DRv for the valve shall be used in determining the test pressure. Failure of two of the six samples tested shall constitute failure in the test. Failure of one of the six samples tested is cause for a retest of six additional samples. Failure of one of the six samples in retest shall constitute failure in the test. Failure of a test sample shall be as defined in ASTM D1598.

(Insert after "...tests")
For NVS less than < 1-1/4", the Sustained-Pressure tests may use Table 3 DR 9.3 pressure values.

(Add)
ASTM F2945-15, Standard Specification for Polyamide 11 Gas Pressure Pipe, Tubing, and Fittings

MANDATORY APPENDIX II REFERENCES

The following is a list of publications referenced in this Standard.

ANSI/ISA S75.02-1996, Control Valve Capacity Test Procedures¹

Publisher: International Society of Automation (ISA), 67 T. W. Alexander Drive, P.O. Box 12277, Research Triangle Park, NC 27709 (www.isa.org)

ASTM D1598-02, Standard Test Method for Failure of Plastic Pipe Under Constant Internal Pressure

ASTM D2444-05, Standard Test Method for Determination of the Impact Resistance of Thermoplastic Pipe and Fittings by Means of a Tup (Falling Weight)

ASTM D2513-05, Specification for Thermoplastic Gas Pressure Pipe, Tubing, and Fittings

ASTM D2683-04, Specification for Polyethylene Fittings for Controlled Polyethylene Pipe and Tubing

ASTM D2837-04, Standard Test Method for Obtaining Hydrostatic Design Basis for Thermoplastic Pipe Materials

ASTM D3261-03, Specification for Polyethylene (PE) Plastic Pipe and Tubing

¹ May also be obtained from American National Standards Institute, 25 West 43rd Street, New York, NY 10036.

ASTM E29-03, Standard Practice for Using Significant Digits in Test Results of Conformity With Specifications

ASTM F1733, Standard Specification for Butt Heat Fusion Polyamide (PA) Plastic Fitting for Polyamide (PA) Plastic Pipe and Tubing

Publisher: American Society for Testing and Materials (ASTM International), 100 Harbor Drive, P.O. Box C700, West Conshohocken, PA 19428-2959 (www.astm.org)

CFR, Title 49, Part 192-2000, Transportation of Natural and Other Gas by Pipeline: Minimum Federal Standards

Publisher: U.S. Government Printing Office (GPO), 732 N. Capitol Street NW, Washington, DC 20401 (www.gpoaccess.gov/index.html)

ISO 9000: 2000, Quality management systems — Fundamentals and vocabulary

ISO 9001: 2000, Quality management systems — Requirements

ISO 9004: 2000, Quality management systems — Guidelines for performance improvements

Publisher: International Organization for Standardization (ISO) Central Secretariat, 1, ch. de la Voie-Creuse, Case postale 56, CH-1211 Genève 20, Switzerland/Suisse (www.iso.org)

PPI TR4-2000b, HDB/PDB/MRS Listed Materials
Publisher: Plastics Pipe Institute (PPI), 105 Decker Court, Suite 825, Irving, TX 75062 (www.plasticpipe.org)

15A

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F1733-13

2015

9000:2015

9001:2015

9004:2015

(Insert after "...Materials")
or Pressure Design Basis
for Thermoplastic Pipe
Products

TR-4-2017

Managing for the sustained
success of an organization -- A
quality management approach

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[Note – the changes are seen below using strikethrough for removal of old text and gray highlights to show the suggested text. ONLY the highlighted text is within the scope of this ballot.]

NSF/ANSI Standard For Wastewater Technology –

Non-liquid saturated treatment systems

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4 Materials

4.2 Exposed surfaces

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Exposed surfaces shall show no visible signs of structural change following performance testing and evaluation including, but not limited to, flaking or pitting of exposed surfaces or the formation of structurally significant cracks.

NOTE— Small surface cracks exhibited by concrete tanks are normally expected in some circumstances and shall not be considered structural deterioration.

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Rationale: "NOTE" will be removed to ensure the language is normative.

11 New system ("controlled") performance testing and evaluation

In addition to the performance testing and evaluation described in 10, one system shall be subjected to a controlled test for a total of at least 6 mo from the conclusion of start-up to collection of the end product(s). The test shall be conducted under the operating conditions that are characteristic of the intended installation conditions. The number of uses during a test shall be tallied on a cumulative counter and recorded. A complete profile of usage versus time shall be reported.

NOTE— Some systems require longer than 6 mo to attain equilibrium or to accumulate a sufficient volume of end product to sample. Such systems shall be sampled and evaluated at the time specified by the manufacturer as the recommended time when the user should remove end product(s) for the first time. In these instances when testing is to be longer than 6 mo, the system shall continue to be loaded in accordance with the applicable loading patterns specified in 11.1. These extended periods of loading shall be accomplished by repeating the applicable loading pattern.

Rationale: "NOTE" will be removed to ensure the language is normative.

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[Note – the changes are illustrated below using ~~strikeout~~ for proposed removal of existing text and grey highlights to indicate the proposed new text. ONLY the highlighted text and ~~strikeout~~ text is within the scope of this ballot. Rationale Statements are in RED and only used to add clarity; these statements will NOT be in the finished publication]

NSF/ANSI - 49

Biosafety Cabinetry: Design, Construction, Performance, and Field Certification

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A.6 Personnel, product, and cross-contamination protection (biological) tests

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A.6.3 Personnel protection test

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A.6.3.2 Acceptance

The number of *B. subtilis* CFU recovered from the 6 AGI-30 samplers shall not exceed 10 CFU per test. Total slit-type air sampler plate counts shall not exceed five *B. subtilis* CFU for a 30 min sampling period. Three replicate tests shall be performed. The control plate shall be positive. A plate is "positive" when it contains greater than 300 CFU of *B. subtilis*.

The standard recognizes that factors outside of the control of the manufacturer may impact the results of this test. These factors can include plate/impinger handling errors, air currents in the test lab, lab contamination with the test organism, or problems with the test equipment. It is not always possible for the test agency to find these factors following a failing test. When the results of a test exceed the maximum allowed recovery for *B. subtilis*, a confirming test may be completed. When the maximum allowed recovery for *B. subtilis* was from a single replicate, the replicate may be replaced with two passing replicates. When the maximum allowed recovery for *B. subtilis* was from two or three replicates, the test may be replaced with a full test that includes three passing replicates.

A.6.4 Product protection test

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A.6.4.2 Acceptance

The number of *B. subtilis* CFU on agar settling plates shall not exceed 5 CFU for each test. Three replicates shall be performed. The control plates shall be positive. A plate is "positive" when it contains more than 300 CFU of *B. subtilis*.

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The standard recognizes that factors outside of the control of the manufacturer may impact the results of this test. These factors can include plate handling errors, air currents in the test lab, lab contamination with the test organism, or problems with the test equipment. It is not always possible for the test agency to find these factors following a failing test. When the results of a test exceed the maximum allowed recovery for *B. subtilis*, a confirming test may be completed. When the maximum allowed recovery for *B. subtilis* was from a single replicate, the replicate may be replaced with two passing replicates. When the maximum allowed recovery for *B. subtilis* was from two or three replicates, the test may be replaced with a full test that includes three passing replicates.

A.6.5 Cross-contamination test

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A.6.5.2 Acceptance

Some agar plates, from the challenge sidewall to 14 in (36 cm) from the sidewall, will recover *B. subtilis* CFU and shall be used as positive controls. The total number of CFU recovered on agar plates with centers greater than 14 in (36 cm) shall not exceed 2 CFU per test. Three replicates each shall be performed from the left and right sides of the cabinet.

The standard recognizes that factors outside of the control of the manufacturer may impact the results of this test. These factors can include plate handling errors, air currents in the test lab, lab contamination with the test organism, or problems with the test equipment. It is not always possible for the test agency to find these factors following a failing test. When the results of a test exceed the maximum allowed recovery for *B. subtilis*, a confirming test may be completed. When the maximum allowed recovery for *B. subtilis* was from a single replicate, the replicate may be replaced with two passing replicates with the nebulizer positioned on the same side of the cabinet where the failure occurred. When the maximum allowed recovery for *B. subtilis* was from two or three replicates on the same side of the cabinet, the test may be replaced with three additional replicates completed from that side of the cabinet.

Rationale: *Testing until you pass is not allowed under any NSF program. The unusual circumstances of Standard 49 biological testing make this needed policy problematic within this program. When a failure has occurred, it is not until 48 hours later that results are known. Investigation of the reasons for failure is often inconclusive. While it is often the case that the failure was the result of inadequate BSC design, other factors could have also contributed to or completely caused the failure. These include plate handling, testing mistakes, problems with the challenge, and many other factors that are not the fault of the BSC manufacturer. Because of the use of the term “may”, the confirmation test is not required. When the manufacturer believes the failure was not the result of cabinet design, giving them the option of confirmation test allows the test agency to repeat the test without something being changed in cabinet design.*

This language follows the TUV Nord approach to confirming a biological test failure.

Draft PDS-03 BSR/RESNET/ICC 301-2014 Addendum L- 20xx Exception to Duct Leakage to Outside Testing

Add definitions and acronyms as follows:

3.2 Definitions

Attached Dwelling Unit – A Dwelling Unit sharing demising walls, floors, ceilings, or common corridors with another Dwelling Unit or Occupiable Space.

Detached Dwelling Unit – A Dwelling Unit that does not meet the definition of Attached Dwelling Unit.

Dwelling – Any building that contains one or two Dwelling Units used, intended, or designed to be built, used, rented, leased, let or hired out to be occupied, or that are occupied for living purposes.

Occupiable Space - A room or enclosed space designed for human occupancy in which individuals congregate for amusement, educational or similar purposes or in which occupants are engaged at labor, and which is equipped with means of egress and light and ventilation facilities meeting the requirements of this standard.

Townhouse - A single-family Dwelling Unit constructed in a group of three or more attached units in which each unit extends from the foundation to roof and with open space on at least two sides.

3.3 Acronyms

ACH50 – Air Changes per Hour at 50 Pascals

Revise Table 4.2.2(1) as follows:

Table 4.2.2(1) Specifications for the Energy Rating Reference and Rated Homes

| Building Component | Energy Rating Reference Home | Rated Home |
|-------------------------------|---|---|
| Thermal distribution systems: | Thermal distribution system efficiency (DSE) of 0.80 shall be | Forced air distribution systems: <u>duct leakage to</u> |

Table 4.2.2(1) Specifications for the Energy Rating Reference and Rated Homes

| Building Component | Energy Rating Reference Home | Rated Home |
|--------------------|--|--|
| | applied to both the heating and cooling system efficiencies. | <p><u>outside tests ^(m) shall be conducted and documented by an Approved Tester</u> in accordance with requirements of Standard ANSI/RESNET/ICC 380, <u>with the air handler installed, and the energy impacts</u> either calculated through hourly simulation or calculated in accordance with ASHRAE Standard 152 with the ducts located and insulated as in the Rated Home.</p> <p>For ductless distribution systems: DSE=1.00 For hydronic distribution systems: DSE=1.00</p> |

Revise Table 4.2.2(1) endnote (m) as follows:

(m) When both of the following conditions are met and documented, duct leakage testing is not required.

- At a rough stage of construction, 100% of the ductwork and air handler shall be visible and visually verified to be contained inside the Conditioned Space Volume. At a final stage of construction, ductwork and the air handler shall be verified to still be contained in the Conditioned Space Volume.
- At a rough stage of construction, the ductwork shall be visually verified to be 100% fully ducted, with no building cavities used as supply or return ducts.

To calculate the energy impacts on the Rated Home, a DSE of 0.88 shall be applied to both the heating and cooling system efficiencies.

DraftPDS-03.4-BSRRESNETICC301-2014AdndmL-20xxDuctLeakOutsideTest_clean.docx

Alternatively, for Dwellings and Townhouses only, when all of the following conditions are met and documented, total duct leakage testing is permitted to be conducted in lieu of duct leakage to outside testing and half of the measured total leakage shall be assigned duct leakage to outside:

- At a rough stage of construction, 100% of the ductwork and air handler shall be visible and visually verified to be contained inside the Infiltration Volume. At a final stage of construction, ductwork that is visible and the air handler shall be verified to still be contained in the Infiltration Volume.
- At a rough stage of construction, the ductwork shall be visually verified to be 100% fully ducted, with no building cavities used as supply or return ducts.
- At a final stage of construction, if visible ductwork or the air handler is observed outside the Infiltration Volume or ductwork is no longer 100% fully ducted, duct leakage to outside testing is required.
- At either a rough stage of construction or a final stage of construction, airtightness of the duct system shall be tested in accordance with requirements of Standard ANSI/RESNET/ICC 380 Total Duct Leakage Test (Section 4.4.1). The total leakage shall be less than or equal to the greater of: 4 cfm per 100 ft² of Conditioned Floor Area served by the duct system being tested, or 40 cfm. For duct systems with 3 or more returns, the total leakage shall be less than or equal to the greater of: 6 cfm per 100 ft² of Conditioned Floor Area served by the duct system being tested, or 60 cfm.
- Airtightness of the Rated Home shall be tested in accordance with requirements of Standard ANSI/RESNET/ICC 380 and shall be less than or equal to 3 ACH50.

Alternatively, for Attached Dwelling Units, excluding Dwellings and Townhouses, total duct leakage testing, at either rough or final stage of construction, is permitted to be conducted in lieu of duct leakage to outside testing and software shall calculate the energy impact of total duct leakage results by counting leakage only from duct surface area that is not in Rated Home Conditioned Space Volume, plus a contribution from the associated air handler if located outside the Rated Home Conditioned Space Volume. When located outside the Rated Home Conditioned Space Volume, the air handler contribution shall be a minimum of 2.5% of the supply airflow, where supply airflow is calculated as 400 cfm per 12,000 Btu/h of output capacity of the heating or cooling equipment; however, the sum shall not exceed the measured duct leakage from the entire duct system.

Default Ballot

ANSI/TIA 604-5F, FOCIS 5F

This default ballot is a result of the comment resolution held regarding ANSI/TIA 604-5F and is limited to 3 specific technical changes. Other comments submitted to ANSI/TIA 604-5F were resolved editorially. The results of the ANSI/TIA-PN- 604.5-F ballot consisted of 10 “abstain”, 16 “approve” votes, 1 “approve with comments” votes, and 0 with “disapprove with comments”. A mistake was noted during the comment resolution to which this default ballot means to correct.

The locations of the three technical changes for this default ballot correspond to the tables noted within the ANSI/TIA-PN- 604.5-F ballot document.

For the purpose of this default ballot, the resolution to the submitter’s comment that was reached by the Subcommittee should be considered in your vote and comment. For example:

- If you agree with the resolution to these items, your vote would be “yes”, or
- if you agree with the resolution, but have comments to the resolution, your vote would be “yes with comments” and include specific proposed changes along with rationale, or
- if you disagree with the resolution, your vote would be “disapprove with comments” and include specific proposed changes along with rationale.

8/06/18

TIA-604-5-E FOCUS 5

In Table 2 below the proposal is to add n=4A and n=8A as two additional options for 4 and 8 Number of Fibers per Row respectively.

Table 2 – Number of Fibers per Row Option

| Fibers per Row Option | Number of Fibers per Row |
|-----------------------|--------------------------|
| n = 4 | 4 |
| n = 4A | 4 |
| n = 6 | 6 |
| n = 8 | 8 |
| n = 8A | 8 |
| n = 10 | 10 |
| n = 12 | 12 |

In Figure 3.2.3a below the proposal is to add the two additional options for n=4A and n=8A, where 4A would be for Fiber Locations “e and f” and 8A would be for “c, d, e, and f”.

| Number of Fibers | Number of Fibers per Row (Option n) | Fiber Locations |
|------------------|-------------------------------------|----------------------|
| 4 | n = 4 | a and b |
| 4 | n = 4A | e and f |
| 6 | n = 6 | a, b, and c |
| 8 | n = 8 | a, b, c, and d |
| 8 | n = 8A | c, d, e, and f |
| 10 | n = 10 | a, b, c, d, and e |
| 12 | n = 12 | a, b, c, d, e, and f |

Figure 3.2.3a – One Row Plug Fiber Locations, all dimensions in mm

In Figure 3.2.3b below the proposal is to add n=8A as an additional option for 16 Number of Fibers in Fiber Locations “i, j, k, and l”.

| Number of Fibers | Number of Fibers per Row (Option n) | Fiber Locations |
|------------------|-------------------------------------|---------------------|
| 16 | n = 8 | g, h, i and j |
| 16 | n = 8A | i, j, k, and l |
| 20 | n = 10 | g, h, i, j and k |
| 24 | n = 12 | g, h, i, j, k and l |

Figure 3.2.3b – Two Row Plug Fiber Locations, all dimensions in mm

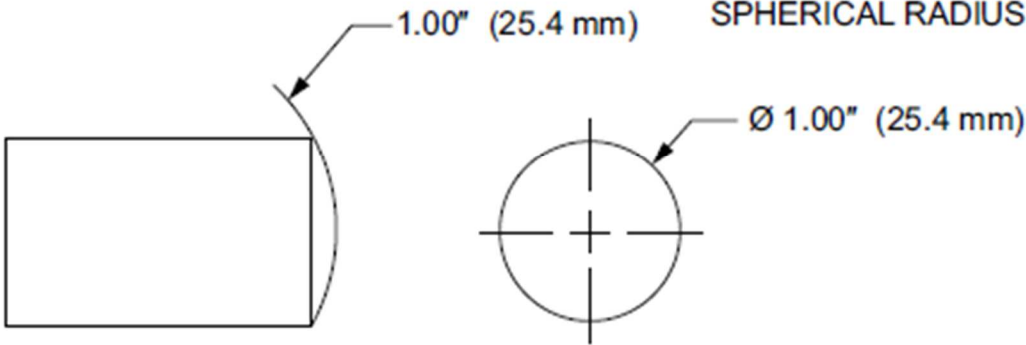
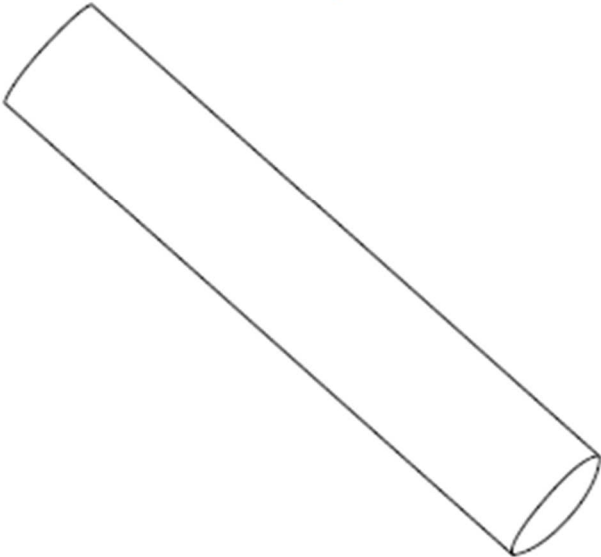
BSR/UL 498, Standard for Safety for Attachment Plugs and Receptacles

1. Proposal to Add Alternative Vertical-Ball Impact Test

140.3.2 The steel sphere is to be dropped from a height of 51 inches (1295 mm) to impact the center of each receptacle outlet as shown in Figure 140.3. For duplex receptacles, three devices are to be tested using one outlet, and three using the other.

Exception: For a receptacle that employs a recessed outlet (such as a clock-hanger receptacle) where the steel sphere is unable to impact the outlet slot area on one end as shown in Figure 140.4, delivering an impact of 5.0 ft-lb (6.8 joules) is permitted.

Figure 140.4
Vertical rod impact test



su3387

NOTES

1) Dimensions are in inches.

2) Metric equivalents are given for general information only and are based upon 1.00 inch = 25.4 mm.

3) Length to suit total tool weight of 1.18 pounds.

4) Radius tolerance ± 0.010 inches.

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BSR/UL 845, Standard for Safety for Motor Control Centers

2. Insulating Materials

8.2.7.1 Material for the support of an uninsulated live part shall be acceptable for the support of such a part and shall be capable of withstanding the most severe conditions likely to be met in service.

A material that is used for the direct support of an uninsulated live part shall comply with the Relative Thermal Index (RTI), Hot Wire Ignition (HWI), High-Current Arc Resistance to Ignition (HAI), and Comparative Tracking Index (CTI) values indicated in Table 41. A material is in direct support of an uninsulated live part when:

- a) it is in direct physical contact with the uninsulated live part; and
- b) it serves to physically support or maintain the relative position of the uninsulated live part.

NOTE: No additional evaluation of the material's RTI is required for the direct support of uninsulated live parts rated 600 V or less when the generic materials used comply with Table 42.

8.2.27.10 In applications rated 600 V or less, no additional evaluation of the RTI shall be required when the generic material used complies with Table 42.

Table 42
Generic materials for other than the direct support of uninsulated live parts

| Generic material | Minimum thickness | | RTI, °C |
|---|-------------------|--------|----------|
| | Inch | (mm) | |
| Any cold-moulded composition (e.g., concrete) | No limit | | No limit |
| Ceramic, porcelain, and slate | No limit | | No limit |
| Diallyl phthalate | 0.028 | (0.71) | 105 |
| Epoxy | 0.028 | (0.71) | 105 |
| Melamine | 0.028 | (0.71) | 130 |
| Melamine-phenolic | 0.028 | (0.71) | 130 |
| Phenolic | 0.028 | (0.71) | 150 |
| Unfilled nylon | 0.028 | (0.71) | 105 |
| Unfilled Polycarbonate | 0.028 | (0.71) | 105 |
| Urea Formaldehyde | 0.028 | (0.71) | 100 |

NOTE: Each material shall be used within its minimum thickness and its RTI value shall not be exceeded during the Temperature Test, Clauses 8.2.3.8, 8.3.3, and 9.3.12.


BSR/UL 913, Standard for Safety for *Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II, and III, Division 1, Hazardous (Classified) Locations*

1. New Clause 10.6 to Include the Use of Electronic Medium for Required Documentation

PROPOSAL

10.6 For apparatus or associated apparatus intended to be installed by service personnel or trained installers, all required documentation may be provided by electronic media under the following conditions:

1. The applicable requirements for unclassified (ordinary) locations in accordance with 5.3 shall permit all required documentation to be provided by electronic media; and

2. Where all required documentation is provided by electronic media, there shall be marking on the product, packaging or printed information with the product that contains the international symbol  (Reference No. 0434B of ISO 7000), along with the location of the electronic documentation (e.g. URL, QRcode).

Where only some of the required documentation is provided by electronic media and some is provided by paper, this shall be made clear in the required documentation.

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BSR/UL 1203, Standard for Safety for *Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations*

1. Revision to 10.3.6 to permit an active gasket between polymeric and metal parts of an explosionproof enclosure

PROPOSAL

10.3.6 A gasket functioning as an active member in the flamepath is not prohibited from being employed in a metal-to-glass, polymeric-to-metal or polymeric-to-glass joint when the gasket complies with the requirements in 10.3.7 - 10.3.10. The maximum clearance between the gasket and the metal, polymeric, or glass shall not be more than that specified in this Standard for the Group and type of joint.

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BSR/UL 1703, Standard for Safety for Flat-Plate Photovoltaic Modules and Panels**1. Removal of Surface Tension Requirement in Paragraph 27.2.**

27.2 The laminate portion of the module or panel is to be immersed in a non-corrosive liquid agent (surfactant) solution. The liquid agent is to have 35 ohm-meter maximum resistance, ~~0.03 N/m maximum surface tension,~~ and a temperature of $22 \pm 3^{\circ}\text{C}$ ($72 \pm 5^{\circ}\text{F}$). Terminal boxes and pigtail-leads or other connectors are to be maintained above the solution level and are to be thoroughly wetted by pouring the solution over these areas. Uninsulated terminations are not to be wetted.

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BSR/UL 2586, Standard for Safety for Hose Nozzle Valves

1. Update standard references and clarifications

PROPOSAL

INTRODUCTION

1 Scope

1.4 For hose nozzle valves intended to be used with gasoline/ethanol blends with nominal ethanol concentrations above 10%, refer to ~~Outline of Investigation for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 85 Percent (E0 - E85), UL 87A~~ the Standard for Safety for Hose Nozzle Valves for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 85 Percent (E0 - E85), UL 2586A, for additional requirements.

1.5 Refer to ~~Outline of Investigation, UL 87B~~, for additional requirements for ~~Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends with Nominal Biodiesel Concentrations Up to 20 Percent (B20), Kerosene, and Fuel Oil~~ UL 2586B, for additional requirements for hose nozzle valves for diesel fuel, biodiesel fuel, diesel/biodiesel blends with nominal biodiesel concentrations up to 20 Percent (B20), Kerosene, and Fuel Oil.

PERFORMANCE

14 Hose Nozzle Valve Guard Strength Test

14.4 For all hose nozzle valves, the test sample is to be dropped ten times. For hose nozzle valves that have a nonmetallic operating lever guard assembly and/or a nonmetallic vacuum cap the test sample is to be dropped ten times on the guard and ten times on the vacuum cap. The spout of the test sample need not incorporate a shear groove or machined weak section, even though such is normally provided in the assembly. When the spout breaks off during the test, it shall be replaced and the test continued. At the completion of this test, the operating lever guard is to remain intact. The test nozzle valve is to function as intended when operated as specified in 15.1.1.

~~*Exception: A hose nozzle valve that uses the same material for the operating lever guard and the plastic vacuum cap only needs the drop test conducted on both parts after conditions a and b. The remaining conditions (c, d, e, and f) and drop tests only need to be conducted on the lever guard. Refer to 14.6 for the different conditions.*~~

Exception No. 1: A hose nozzle valve that uses the same material for the operating lever guard and the plastic vacuum cap only needs the drop test conducted on both parts after conditions a and b. The remaining conditions (c, d, e, and f) and drop tests only need to be conducted on the lever guard. Refer to 14.6 for the different conditions.

Exception No. 2: When alternate non-metallic materials are used for the hose nozzle valve guard, testing to verify operation as specified in 15.1.1 is not required.

25 Tests of Synthetic Rubber Parts

25.1 General

25.1.1 A synthetic rubber part in contact with one of the fluids indicated in Table 25.1 shall not show change in volume of more than 25 percent swelling (40 percent in Reference Fuel A, C, Reference Fuel C blends and H) or 1 percent shrinkage, or a weight loss (extraction) of more than 10 percent when considered on the basis of its intended function following immersion for 70 hours in the specified test liquid or shall meet the requirements in the Outline of Investigation for Power-Operated Dispensing Devices for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 85 Percent (E0 - E85), UL 87A Standard for Safety for Hose Nozzle Valves for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 85 Percent (E0 - E85), UL 2586A.

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