ANSI STANDARDS ACTION

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American National Standards

Call for comment on proposals listed

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

Ordering Instructions for "Call-for-Comment" Listings

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

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

* Standard for consumer products

ISSN 0038-9633

Comment Deadline: June 23, 2019

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

Addenda

BSR/ASHRAE Addendum a to BSR/ASHRAE Standard 185.1-201x, Method of Testing UV-C Lights for Use in Air-Handling Units or Air Ducts to Inactivate Airborne Microorganisms (addenda to ANSI/ASHRAE Standard 185.1-2015)

The liquid that is used in generating a bioaerosol will provide different levels of protection for the microorganism. For the tests to be repeatable, the generation of the bioaerosol must result in equal levels of protection. Thus, this addendum adds the requirement for the liquid to be the same.

Click here to view these changes in full

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

BSR/ASHRAE Addendum b to BSR/ASHRAE Standard 185.1-201x, Method of Testing UV-C Lights for Use in Air-Handling Units or Air Ducts to Inactivate Airborne Microorganisms (addenda to ANSI/ASHRAE Standard 185.1-2015)

The use of the Poisson distribution is not appropriate for this type of biological data. The degree of correction is based on the total counts, so that a test with thousands of counts receives a tighter confidence interval than one with hundreds. This could result in very different reports efficiencies between tests. Also, since counting plates for microorganisms requires that the spots be separate, there is an upper limit on the raw counts per plate. In addition, this method of calculation does not address the issue of variability at the test lab since the total counts are used. This addendum reports the counts, the average, and the standard deviation to give an average efficiency and a measure of the sample count variability.

Click here to view these changes in full

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

NSF (NSF International)

Revision

BSR/NSF 4-201x (i28r2), Commercial Cooking, Rethermalization, and Powered Hot Food Holding and Transportation Equipment (revision of ANSI/NSF 4-2016)

Equipment covered by this Standard includes, but is not limited to, ranges, ovens, fat/oil fryers, fat/oil filters, griddles, tilting griddle skillets, broilers, steam and pressure cookers, kettles, rotisseries, toasters, coffee makers and other hot beverage makers, component water heating equipment, proofing boxes and cabinets, hot-food holding equipment, rethermalization equipment, and hot-food transport cabinets.

Click here to view these changes in full

Send comments (with optional copy to psa@ansi.org) to: Allan Rose, (734) 827-3817, arose@nsf.org

BSR/NSF 51-201x (i19r1), Food Equipment Materials (revision of ANSI/NSF 51-2018)

This Standard is applicable to the materials and finishes used in the manufacture of food equipment (e.g., broiler, beverage dispenser, cutting board, stock pot). The Standard is also applicable to components such as tubing, sealants, gaskets, valves, and other items intended for various food equipment applications.

Click here to view these changes in full

Send comments (with optional copy to psa@ansi.org) to: Allan Rose, (734) 827-3817, arose@nsf.org

UL (Underwriters Laboratories, Inc.)

Revision

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

This proposal covers the addition of requirements for markings and instructions as new Paragraph 193.1.1.1 for UL 498.

Click here to view these changes in full

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

BSR/UL 498A-201x, Standard for Safety for Current Taps and Adapters (revision of ANSI/UL 498A-2016)

Clarification of adapters of unequal amperage in paragraphs 6.2 and 15.4.4

Click here to view these changes in full

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

BSR/UL 810-201x, Standard for Safety for Capacitors (revision of ANSI/UL 810-2014)

This proposal for UL 810 covers: (1) Deletion of redundant marking in 46.10; (2) Clarification of requirements for accessible surface temperature limits in Tables 38.1, 46.11, and 47.2; and (3) Removal of reverse polarity references in SA4.1.2, SA4.3.4, and SA4.4.1.

Click here to view these changes in full

Send comments (with optional copy to psa@ansi.org) to: Megan Van Heirseele, (847) 664-2881, Megan.M.VanHeirseele@ul.com

BSR/UL 1703-201x, Standard for Safety for Flat-Plate Photovoltaic Modules and Panels (revision of ANSI/UL 1703-2018)

(1) Revisions to the Reverse Current Overload Test in Section 28.

Click here to view these changes in full

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

Comment Deadline: July 8, 2019

AAFS (American Academy of Forensic Sciences)

New Standard

BSR/ASB BPR 068-201x, Safe Handling of Firearms and Ammunition (new standard)

This document provides best practice recommendations for the safe handling of firearm and ammunition evidence during forensic analysis.

Single copy price: Free

Obtain an electronic copy from: http://www.asbstandardsboard.org/

Document will be provided electronically on AAFS Standards Board website free of charge.

Send comments (with optional copy to psa@ansi.org) to: asb@aafs.org. Document and comments template can be viewed on the AAFS Standards Board website at: http://www.asbstandardsboard.org/notice-of-standard-development-and-coordination//

BSR/BPR 012-201x, Best Practice Recommendation for Articulating a Source Identification in Friction Ridge Examinations (new standard)

This document offers guidance for articulating the reasoning and foundational principles behind the source identification conclusion resulting from the examination of friction ridge evidence. This document takes into consideration the current status of professional practices, legal decisions, and scientific research. The scope of this document is limited to the source identification conclusion and does not address or consider inconclusive or exclusion conclusions.

Single copy price: Free

Obtain an electronic copy from: http://www.asbstandardsboard.org/

Document will be provided electronically on AAFS Standards Board website free of charge.

Send comments (with optional copy to psa@ansi.org) to: asb@aafs.org. Document and comments template can be viewed on the AAFS Standards Board website at: http://www.asbstandardsboard.org/notice-of-standard-development-and-coordination//

AAMI (Association for the Advancement of Medical Instrumentation)

Reaffirmation

BSR/AAMI BE83-2006 (R201x), Biological evaluation of medical devices - Part 18: Chemical characterization of materials (reaffirmation of ANSI/AAMI BE83-2006 (R2011))

Describes a framework for the identification of a material and the identification of a material and the identification and of its chemical constituents.

Single copy price: $72.00 (AAMI members)/$127.00 (list)

Obtain an electronic copy from: abenedict@aami.org

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

AARST (American Association of Radon Scientists and Technologists)

New Standard

BSR/AARST MW-RN-201x, Protocol for the Collection, Transfer and Measurement of Radon in Water (new standard)

This standard of practice specifies minimum requirements and procedures for the collection and transport of water samples, as well as protocols for the quantitative transfer of the sample to a measurement device. This standard addresses analytical methodologies using liquid scintillation and alpha-scintillation cells, as well as provisions needed to utilize alternative measurement techniques.

Single copy price: $TBD

Obtain an electronic copy from: www.RadonStandards.US

Order from: Gary Hodgden, (202) 830-1110, StandardsAssist@gmail.com

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

AGA (ASC Z380) (American Gas Association)

Addenda

BSR GPTC Z380.1-2018 TR 2012-05-201x, Guide for Transmission, Distribution and Gathering Piping Systems (addenda to ANSI GPTC Z380.1-2018)

Review GM 192.305 and consider additional guidance on construction inspection and the responsibilities of a construction inspector. Consideration should also be given to the construction of service lines

Single copy price: Free

Obtain an electronic copy from: https://www.aga.org/events-community/committees/ansi-asc-gptc-z380---gas-piping-technology/

Order from: Betsy Tansey, (202) 824-7339, btansey@aga.org

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

BSR GPTC Z380.1-2018 TR 2013-35-201x, Guide for Transmission, Distribution and Gathering Piping Systems (addenda to ANSI GPTC Z380.1-2018)

Review to determine if GM would be appropriate regarding the TSA Pipeline Security Guidelines, April 2011.

Single copy price: Free

Obtain an electronic copy from: https://www.aga.org/events-community/committees/ansi-asc-gptc-z380---gas-piping-technology/

Order from: Betsy Tansey, (202) 824-7339, btansey@aga.org

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

BSR GPTC Z380.1-2018 TR 2014-01-201x, Guide for Transmission, Distribution and Gathering Piping Systems (addenda to ANSI GPTC Z380.1-2018)

Consider GM to develop a template or model to guide operators in performance effectiveness evaluations and developing performance metrics and measures, to be used for any program requiring evaluation.

Single copy price: Free

Obtain an electronic copy from: https://www.aga.org/events-community/committees/ansi-asc-gptc-z380---gas-piping-technology/

Order from: Betsy Tansey, (202) 824-7339, btansey@aga.org

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

BSR GPTC Z380.1-2018 TR 2014-09-201x, Guide for Transmission, Distribution and Gathering Piping Systems (addenda to ANSI GPTC Z380.1-2018)

Review guide material added by TR 2009-17 to 5.1(e) and consider restructuring the guide material under 192.605 as discussed in this standard. Consider revising guide material under 191.5, 191.9, 191.15, and 191.23 for consistency with any revised guide material under 192.605.

Single copy price: Free

Obtain an electronic copy from: https://www.aga.org/events-community/committees/ansi-asc-gptc-z380---gas-piping-technology/

Order from: Betsy Tansey, (202) 824-7339, btansey@aga.org

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

BSR GPTC Z380.1-2018 TR 2017-10-201x, Guide for Transmission, Distribution and Gathering Piping Systems (addenda to ANSI GPTC Z380.1-2018)

Review Amdt. 191-25 and Amdt. 192-123, Operator Qualification, Cost Recovery, Accident and Incident Notification, and Other Pipeline Safety Changes, and revise GM as appropriate.

Single copy price: Free

Obtain an electronic copy from: https://www.aga.org/events-community/committees/ansi-asc-gptc-z380---gas-piping-technology/

Order from: Betsy Tansey, (202) 824-7339, btansey@aga.org

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

BSR GPTC Z380.1-2018 TR 2017-12-201x, Guide for Transmission, Distribution and Gathering Piping Systems (addenda to ANSI GPTC Z380.1-2018)

Review Amdt. 191-24 re Safety of Underground Natural Gas Storage and recommend revisions to GM as appropriate.

Single copy price: Free

Obtain an electronic copy from: https://www.aga.org/events-community/committees/ansi-asc-gptc-z380---gas-piping-technology/

Order from: Betsy Tansey, (202) 824-7339, btansey@aga.org

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

BSR GPTC Z380.1-2018 TR 2017-13-201x, Guide for Transmission, Distribution and Gathering Piping Systems (addenda to ANSI GPTC Z380.1-2018)

Review Amdt. 192-122 re Safety of Underground Natural Gas Storage, develop strategy and begin recommending changes to appropriate GM including Guide Material Appendices.

Single copy price: Free

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

BSR GPTC Z380.1-2018 TR 2017-16-201x, Guide for Transmission, Distribution and Gathering Piping Systems (addenda to ANSI GPTC Z380.1-2018)

Consider adding additional natural disaster examples to GM 1.3 “Prompt and effective response to each type of emergency,” such as landslides or mudslides and wildfires. Consider addressing manmade disasters, such as mine subsidence. If evacuations are being made by the police/fire departments due to natural disasters, consider shutting off gas service to the area to avoid potential property damage resulting from possible gas pipeline damage

Single copy price: Free

Obtain an electronic copy from: https://www.aga.org/events-community/committees/ansi-asc-gptc-z380---gas-piping-technology/

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

BSR GPTC Z380.1-2018 TR 2017-18-201x, Guide for Transmission, Distribution and Gathering Piping Systems (addenda to ANSI GPTC Z380.1-2018)

Review GM and consider adding guidance to (1) reach residents living in apartments, student housing, transitional housing and also to reach electronic bill customers; (2) ensure customers have continuous access to safety information through the company website; and (3) distribute safety brochures to customers during service calls. Consider adding guidance to include informing building owners (residential and commercial) and renters of the need to call the gas company to report a gas odor. Suggestion to mirror guide material for Damage Prevention messages to the public, item 18 that states “Specific information packets designed for distribution to individual dwelling units at apartments and condominiums.” (from TR 17-19 included in TR 17-18).

Single copy price: Free

Obtain an electronic copy from: https://www.aga.org/events-community/committees/ansi-asc-gptc-z380---gas-piping-technology/

Order from: Betsy Tansey, (202) 824-7339, btansey@aga.org

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

BSR GPTC Z380.1-2018 TR 2017-22-201x, Guide for Transmission, Distribution and Gathering Piping Systems (addenda to ANSI GPTC Z380.1-2018)

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

Single copy price: Free

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BSR GPTC Z380.1-2018 TR 2017-32-201x, Guide for Transmission, Distribution and Gathering Piping Systems (addenda to ANSI GPTC Z380.1-2018)

Consider revising the membership listing and moving the historical reconstruction of Parts 191 and 192 and historical record of amendments to an appendix.

Single copy price: Free

Obtain an electronic copy from: https://www.aga.org/events-community/committees/ansi-asc-gptc-z380---gas-piping-technology/

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

BSR GPTC Z380.1-2018 TR 2017-47-201x, Guide for Transmission, Distribution and Gathering Piping Systems (addenda to ANSI GPTC Z380.1-2018)

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

Single copy price: Free

Obtain an electronic copy from: https://www.aga.org/events-community/committees/ansi-asc-gptc-z380---gas-piping-technology/

Order from: Betsy Tansey, (202) 824-7339, btansey@aga.org

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

BSR GPTC Z380.1-2018 TR 2018-05-201x, Guide for Transmission, Distribution and Gathering Piping Systems (addenda to ANSI GPTC Z380.1-2018)

Review www.phmsa.dot.gov/training/pipeline/guidance-manuals which provides links to four small operator guides (Small LP Gas Operator Guide, Small Natural Gas Operator Guide, Small Natural Gas Operator OQ Guide, Small LP Gas Operator OQ Guide) and consider additional references to these small operator guides or other GM revisions as appropriate.

Single copy price: Free

Obtain an electronic copy from: https://www.aga.org/events-community/committees/ansi-asc-gptc-z380---gas-piping-technology/

Order from: Betsy Tansey, (202) 824-7339, btansey@aga.org

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

BSR GPTC Z380.1-2018 TR 2018-10-201x, Guide for Transmission, Distribution and Gathering Piping Systems (addenda to ANSI GPTC Z380.1-2018)

(1) Review 3.1(c) under 192.905 and revise the GM related to the website at www.safepipelines.org, which no longer works; (2) Review 5 under 192.905 and revise the GM related to the website given for 4-H Facilities, which no longer works (website also listed in 6 under GMA G-192-1).

Single copy price: Free

Obtain an electronic copy from: https://www.aga.org/events-community/committees/ansi-asc-gptc-z380---gas-piping-technology/

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BSR GPTC Z380.1-2018 TR 2018-16-201x, Guide for Transmission, Distribution and Gathering Piping Systems (addenda to ANSI GPTC Z380.1-2018)

Review GM under 192.917 to address NTSB report for Gas explosion and subsequent fire, New York City, New York, (PAR 15-01) which concludes that the damaged sewer presented a coincidental threat to the pipeline. These “coincident threats” result in the likelihood of failure greater than either threat individually

Single copy price: Free

Obtain an electronic copy from: https://www.aga.org/events-community/committees/ansi-asc-gptc-z380---gas-piping-technology/

Order from: Betsy Tansey, (202) 824-7339, btansey@aga.org

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

BSR GPTC Z380.1-2018 TR 2018-17-201x, Guide for Transmission, Distribution and Gathering Piping Systems (addenda to ANSI GPTC Z380.1-2018)

Update the reference in GM 2 to the One Call Systems International (OCSI) Resource Guide, which provides a summary of the damage prevention laws in each state. This resource is now in the form of a map, where you can click on a state and get details of that state’s damage prevention laws. Also, update the reference to the “Best Practices” guide. (Both of these references can be found at www.commongroundalliance.com, but they are not so easy to find.)

Single copy price: Free

Obtain an electronic copy from: https://www.aga.org/events-community/committees/ansi-asc-gptc-z380---gas-piping-technology/

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BSR GPTC Z380.1-2018 TR 2018-24-201x, Guide for Transmission, Distribution and Gathering Piping Systems (addenda to ANSI GPTC Z380.1-2018)

Review existing GM and determine if changes are appropriate in light of National Transportation Safety Board Safety Recommendation Report “Installation of PermaLock Mechanical Tapping Tee Assemblies.” {NTSB Report in TR Package - not copied here.}

Single copy price: Free

Obtain an electronic copy from: https://www.aga.org/events-community/committees/ansi-asc-gptc-z380---gas-piping-technology/

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BSR GPTC Z380.1-2018 TR 2019-01-201x, Guide for Transmission, Distribution and Gathering Piping Systems (addenda to ANSI GPTC Z380.1-2018)

Add note to the GM under each of these sections: (list used to make below list).

Single copy price: Free

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

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

Addenda

BSR/ASHRAE/ASHE Addendum 170e-201x, Ventilation of Health Care Facilities (addenda to ANSI/ASHRAE Standard 170-2013)

The following changes come from a critical review of Chapters 5 and 10. The addendum improves the flow of the Standard by moving the “planning” requirements from chapter 10 into chapter 5, Planning. The addendum also addresses the intent behind Change Proposal 170-16-12-0001/007, harmonizing the Chapter 10, Construction and Start-Up Requirements, with those in ASHRAE Standard 62.1. The SSPC 170 feels the changes represent minimum current design practices and should not present additional economic burden to health care facility construction.

Single copy price: $35.00

Obtain an electronic copy from: Free download at https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

Order from: standards.section@ashrae.org

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

ASTM (ASTM International)

New Standard

BSR/ASTM E2073-201x, Reinstatement of Test Method for Photopic Luminance of Photoluminescent (Phosphorescent) Markings (new standard)

https://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: lklineburger@astm.org

Order from: Laura Klineburger, (610) 832-9696, accreditation@astm.org

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

BSR/ASTM F1533-201x, Specification for Deformed Polyethylene (PE) Liner (new standard)

https://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: lklineburger@astm.org

Order from: Laura Klineburger, (610) 832-9696, accreditation@astm.org

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

BSR/ASTM F2797-201x, Reinstatement of Test Method for Evaluating Edge Cleaning Effectiveness of Vacuum Cleaners (new standard)

https://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: lklineburger@astm.org

Order from: Laura Klineburger, (610) 832-9696, accreditation@astm.org

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

ATIS (Alliance for Telecommunications Industry Solutions)

Revision

BSR/ATIS 0600334-201x, Electrical Protection of Communications Towers and Associated Structures (revision of ANSI/ATIS 0600334-2013)

Communications towers and the associated structures, by nature of their outdoor location, are often subject to disturbances from lightning. This standard provides the minimum electrical protection, grounding, and bonding criteria necessary to mitigate the disruptive and damaging effects of lightning. It is intended to serve as a guide for designers or users of such facilities in the application of electrical protection, grounding, and bonding.

Single copy price: $110.00

Obtain an electronic copy from: dgreco@atis.org

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

BSR/ATIS 0600337-201x, Requirements for Maximum Voltage, Current, and Power Levels Used in Communications Circuits (revision of ANSI/ATIS 0600337-2016)

This document provides a summary of the maximum dc steady-state and duration-limited voltage, current, and power limits to be maintained when telecommunications systems provide or receive power over conventional telecommunications twisted-pair conductors/cabling.

Single copy price: $110.00

Obtain an electronic copy from: dgreco@atis.org

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

AWWA (American Water Works Association)

Reaffirmation

BSR/AWWA D130-2011 (R201x), Geomembrane Materials for Potable Water Applications (reaffirmation of ANSI/AWWA D130-2011)

This standard pertains to geomembrane materials supplied in sheet form for lining, covering, or covering potable water reservoirs. The successful application of this standard is dependent on an appropriate site evaluation, design, material selection, construction, as well as operations and maintenance. This standard includes requirements for material properties, fabrications, and installation.

Single copy price: Free

Obtain an electronic copy from: ETSsupport@awwa.org

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

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

AWWA (American Water Works Association)

Revision

BSR/AWWA C153/A21.53-201x, Ductile-Iron Compact Fittings (revision of ANSI/AWWA C153/A21.53-2011)

This standard describes 3-in. through 64-in. (80-mm through 1,600-mm) ductile-iron compact fittings to be used with ductile-iron pipe or pipe made of other materials with similar outside diameters for conveying potable water, wastewater, and reclaimed water.

Single copy price: Free

Obtain an electronic copy from: ETSsupport@awwa.org

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

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

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

New Standard

BSR/ASSE 1023-201x, Performance Requirements for Electrically Heated or Cooled Water Dispensers (new standard)

This standard covers water dispensers that either electrically heat or cool drinking water. Traditionally, an ASSE 1023 device is a dispenser that heats water and is normally installed at the kitchen sink. This standard now also includes any device that has a dispensing fitting which is free-standing, table-top, plumbed or uses bottles, or includes a chiller. Not in scope are fixtures such as bottle fillers or drinking fountains, and devices that do not change the temperature of the water.

Single copy price: Free

Obtain an electronic copy from: http://www.iapmo.org/media/20710/1023-2019-draft-pr-13may19.pdf

Send comments (with optional copy to psa@ansi.org) to: Conrad Jahrling, staffengineer@asse-plumbing.org. State "PR1023" in the subject line.

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

New Standard

BSR N42.60-201x, Standard Training for Radiological/Nuclear Detection for Initial Response (new standard)

This standard provides training requirements on the use of PRND instrumentation for the Response mission areas from Presidential Policy Directive 8 (PPD-8) that describes five preparedness capabilities: Response, Recovery, Mitigation, Prevention, and Protection. The PRND instrumentation addressed for this standard is described in the normative references of this standard. Training to use the same instrumentation for the Prevention and Protection mission areas is described in ANSI N42.37. Having ANSI N42.37 training before ANSI N42.60 training may be helpful, but is not required. For non-PRND instrumentation, organizations may apply training requirements from this standard as needed and considered appropriate for their Response missions.

Single copy price: $63.00 (IEEE members)/$73.00 (Non-Members)

Obtain an electronic copy from: j.santulli@ieee.org

Send comments (with optional copy to psa@ansi.org) to: j.santulli@ieee.org

ITSDF (Industrial Truck Standards Development Foundation, Inc.)

Revision

BSR/ITSDF B56.5-201X, Safety Standard for Guided Industrial Vehicles and Automated Functions of Manned Industrial Vehicles (revision of ANSI/ITSDF B56.5-2012)

This Standard defines the safety requirements relating to the elements of design, operation, and maintenance of powered, not mechanically restrained, unmanned automatic guided industrial vehicles and the system of which the vehicles are a part. It also applies to vehicles originally designed to operate exclusively in a manned mode but which are subsequently modified to operate in an unmanned, automatic mode, or in a semiautomatic, manual, or maintenance mode.

Single copy price: Free

Obtain an electronic copy from: info@itsdf.org

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

BSR/ITSDF B56.11.8-201X, Safety Standard for Seat Belt (Lap-Type) Anchorage Systems for Powered Industrial Trucks (revision of ANSI/ITSDF B56.11.8-2015)

This procedure provides the performance and testing requirements for anchorage systems of lap-type belts (seat belts) provided with counterbalanced, center control, high-lift trucks that have a sit-down, non-elevating operator.

Single copy price: Free

Obtain an electronic copy from: info@itsdf.org

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

NENA (National Emergency Number Association)

New Standard

BSR/NENA STA-010.3-201x, NENA i3 Standard for Next Generation 9-1-1 (new standard)

This work will review and add to the current NENA standards for the Next Generation 9-1-1 core service architecture that provides call and data handling functionality between 9-1-1 call originators and 9-1-1 call centers (PSAPs). The existing NENA standard has been developed over the 2003 – 2014 timeframe to replace E9-1-1 functionality throughout at least the USA, and has been the model for European and Canadian work for similar purposes. This is known in short form as `i3'. The work under this PINS is for version 3 of the NG9-1-1 core services architectural standard and NENA's intent is to submit the entirety of NENA i3v3 standard to ANSI development process accreditation. This work is expected to be accomplished in three related NENA Working Groups. Major topics being added to the standard include: This work will update current NENA standards in the areas of: (1) Network Routing, Performance, and Security; (2) Core, Ancillary, and Transitional Functions; (3) Data Definition, including Location, GIS, and Additional Data, including XML; (4) Next Generation 9-1-1 PSAP Multimedia and Other Data Interfaces; (5) PSAP Management-Testing interface; (6) Potential of convergence of i3 standard for use with an IMS-based Emergency Services IP Network.

Single copy price: Free

Obtain an electronic copy from: Download at https://dev.nena.org/higherlogic/ws/public/document?document_id=16133&wg_id=eca27a3d-a4c7-4d67-bb06-b3bb241df44e or contact darnold@nena.org.

Order from: Download at https://dev.nena.org/higherlogic/ws/public/document?document_id=16133&wg_id=eca27a3d-a4c7-4d67-bb06-b3bb241df44e or contact darnold@nena.org.

Send comments (with optional copy to psa@ansi.org) to: Submit comments electronically at https://dev.nena.org/higherlogic/ws/public/document?document_id=16133&wg_id=eca27a3d-a4c7-4d67-bb06-b3bb241df44e and select "Add A Comment."

UAMA (ASC B74) (Unified Abrasives Manufacturers' Association)

Reaffirmation

BSR B74.11-2014 (R201x), Specifications for Random Shaped Tumbling Chip Abrasives (reaffirmation of ANSI B74.11-2014)

This standard applies to random-shaped tumbling chips commonly used in tumbling or vibratory barrels for the finishing of parts.

Single copy price: $25.00

Obtain an electronic copy from: sab@wherryassoc.com

Order from: sab@wherryassoc.com

Send comments (with optional copy to psa@ansi.org) to: djh@wherryassoc.com

UL (Underwriters Laboratories, Inc.)

New National Adoption

BSR/UL 12402-9-201X, Standard for Personal Flotation Devices - Part 9: Test Methods (national adoption of ISO 12402-9 with modifications and revision of ANSI/UL 12402-9-2015)

UL proposes a recirculation to the UL 12402-9 ballot dated 6-1-18.

Single copy price: Free

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

Order from: http://www.shopulstandards.com

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

BSR/UL 60947-5-5-201X, Standard for Safety for Low-voltage Switchgear and Controlgear - Part 5-5: Control Circuit Devices and Switching Elements - Electrical (identical national adoption of IEC 60947-5-5 and revision of ANSI/UL 60947-5-5-2017)

Emergency Stop Device with Mechanical Latching Function, incorporating Amendment 2 of the First Edition of IEC 60947-5-5. The first Edition of UL 60947-5-5 was published on August 11, 2017 and included Amendment 1 of the First Edition of IEC 60947-5-5. UL is proposing that this IEC standard be adopted with no national differences. Issues specific to the U.S., such as code and regulatory requirements, are already specified in the Standard for Low-voltage Switchgear and Controlgear - Part 1: General Rules, UL 60947-1, and Part 5-1: Control Circuit Devices and Switching Elements - Electromechanical Control Circuit Devices which will be used in conjunction with the Part 5-5 standard. The proposed UL 60947-5-5 will assist manufacturers interested in producing one product for use worldwide.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: http://www.shopulstandards.com

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

VITA (VMEbus International Trade Association (VITA))

New Standard

BSR/VITA 40-201x, Status Indicator Standard (new standard)

This standard defines the colors, behaviors, placement, and labeling of service indicator lamps for boards, field replaceable units, and enclosures.

Single copy price: $25.00

Obtain an electronic copy from: admin@vita.com

Send comments (with optional copy to psa@ansi.org) to: admin@vita.com

BSR/VITA 46.30-201x, Higher Data Rate VPX (new standard)

VITA 46.30 defines a standard for a VPX connector that supports higher data rates, to at least 25 Gbaud - for protocols such as 100GBASE-KR4 Ethernet and PCIe Gen 4. The higher data rate connectors compliant to VITA 46.30 are intermateable to legacy VITA 46.0 connectors and follow the same form factor.

Single copy price: $25.00

Obtain an electronic copy from: admin@vita.com

Send comments (with optional copy to psa@ansi.org) to: admin@vita.com

VITA (VMEbus International Trade Association (VITA))

Revision

BSR/VITA 67.2-201x, Coaxial Interconnect on VPX, 8 Position SMPM (revision of ANSI/VITA 67.2-2012)

The objective of this standard is to detail the configuration and interconnect within the structure of VITA 67.0 enabling a 6U VITA 46 interface containing multiposition blind-mate analog connectors with up to 8 SMPM contacts.

Single copy price: $25.00

Obtain an electronic copy from: admin@vita.com

Send comments (with optional copy to psa@ansi.org) to: admin@vita.com

Comment Deadline: July 23, 2019

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

CSA (CSA America Standards Inc.)

New Standard

BSR/CSA C22.2 No. 273-201x, Cablebus (new standard)

This Standard applies to a complete cablebus system (termination to termination) and associated fittings rated at not more than 46 kV ac or dc, and intended for use in accordance with NFPA 70, National Electrical Code (NEC), CSA C22.1, Canadian Electrical Code, Part I ("CE Code, Part I"), and CAN/CSA-C22.2 No. 0,General Requirements - Canadian Electrical Code, Part II. These requirements do not apply to metal enclosed busways, as covered by CSA C22.2 No. 201 and CSA C22.2 No. 27/UL 857. For the purpose of these requirements, a cablebus is an assembly of single conductors and/or cables designed as a system to transmit large magnitudes of electrical current and to withstand the effects of specified system requirements (i.e., short-circuit current, circuit loading, bonding, etc.) with fittings and conductor terminations in a completely enclosed, ventilated, or non-ventilated protective metal housing. This Standard also applies to transition enclosures used for the transition between cablebus and adjoining equipment, where applicable.

Single copy price: Free

Send comments (with optional copy to psa@ansi.org) to: David Zimmerman, (216) 524-4990, david.zimmerman@csagroup.org

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

New Standard

BSR/INCITS 547-201x, Information technology - Fibre Channel - Switch Fabric - 7 (FC-SW-7) (new standard)

This project recommends the development of a set of technical additions and clarifications to INCITS 511, Fibre Channel - Switch Fabric - 6 (FC-SW-6).

Single copy price: Free

Obtain an electronic copy from: https://standards.incits.org/apps/org/workgroup/eb/download.php/108426

Order from: https://standards.incits.org/apps/org/workgroup/eb/download.php/108426

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

Projects Withdrawn from Consideration

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

ASME (American Society of Mechanical Engineers)

BSR/API 579-2I/ASME FFS-2-201x, Fitness-For-Service Example Problem Manual (revision of ANSI/API 579-2I/ASME FFS-2-2009)

Example problems relating to API 579-1/ASME FFS-1, Fitness-For-Service.

Inquiries may be directed to Mayra Santiago, (212) 591-8521, ansibox@asme.org

Notice of Withdrawn ANS by an ANSI-Accredited Standards Developer

In accordance with clause 4.2.1.3.2 Withdrawal by ANSI-Accredited Standards Developer of the ANSI Essential Requirements, the following American National Standards have been withdrawn as an ANS.

AWEA (American Wind Energy Association)

ANSI/AWEA SWT-1-2016, AWEA Small Wind Turbine Standard

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.

AAMI (Association for the Advancement of Medical Instrumentation)

Office: 901 N. Glebe Road, Suite 300
Arlington, VA 22203
Contact: Amanda Benedict
Phone: (703) 253-8284
E-mail: abenedict@aami.org

BSR/AAMI BE83-2006 (R201x), Biological evaluation of medical devices - Part 18: Chemical characterization of materials (reaffirmation of ANSI/AAMI BE83-2006 (R2011))

AARST (American Association of Radon Scientists and Technologists)

Office: 527 Justice Street
Hendersonville, NC 28739
Contact: Gary Hodgden
Phone: (202) 830-1110
E-mail: StandardsAssist@gmail.com

BSR/AARST MW-RN-201x, Protocol for the Collection, Transfer and Measurement of Radon in Water (new standard)

ASQ (American Society for Quality)

Office: 600 N Plankinton Ave
Milwaukee, WI 53203
Contact: Julie Sharp
Phone: (800) 248-1946
E-mail: standards@asq.org

ASQ/BSR ID1-201x, Inspection techniques and requirements - Guidelines (new standard)

ATIS (Alliance for Telecommunications Industry Solutions)

Office: 1200 G Street NW
Suite 500
Washington, DC 20005
Contact: Drew Greco
Phone: (516) 796-6087
E-mail: dgreco@atis.org

BSR/ATIS 0600334-201x, Electrical Protection of Communications Towers and Associated Structures (revision of ANSI ATIS 0600334 -2013)

BSR/ATIS 0600337-201x, Requirements for Maximum Voltage, Current, and Power Levels Used in Communications Circuits (revision of ANSI/ATIS 0600337-2016)

HI (Hydraulic Institute)

Office: 6 Campus Drive
Suite 104
Parsippany, NJ 07054-4406
Contact: Edgar Suarez
Phone: (973) 267-9700
E-mail: esuarez@pumps.org

BSR/HI 5.1-5.6-201x, Sealless Rotodynamic Pumps for Nomenclature, Definitions, Design, Application, Operation, and Test (revision of ANSI/HI 5.1-5.6-2016)

BSR/HI 9.6.4-201x, Rotodynamic Pumps for Vibration Measurements and Allowable Values (revision of ANSI/HI 9.6.4-2016)

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

Office: 1101 K Street NW
Suite 610
Washington, DC 20005
Contact: Rachel Porter
Phone: (202) 737-8888
E-mail: comments@standards.incits.org

BSR/INCITS 547-201x, Information technology - Fibre Channel - Switch Fabric - 7 (FC-SW-7) (new standard)

INCITS 547-201x, Information technology - Fibre Channel - Switch Fabric - 7 (FC-SW-7) (new standard)

NEMA (ASC C8) (National Electrical Manufacturers Association)

Office: 1300 N. 17th Street, Suite 900
Rosslyn, VA 22209
Contact: Gerard Winstanley
Phone: (703) 841-3231
E-mail: gerard.winstanley@nema.org

BSR NEMA WC 55021-201x, Military Internal Electrical Cable (revision of ANSI/NEMA WC 55021-2013)

NEMA (ASC C81) (National Electrical Manufacturers Association)

Office: 1300 North 17th Street
Suite 1752
Arlington, VA 22209
Contact: David Richmond
Phone: (703) 841-3234
E-mail: David.Richmond@nema.org

BSR C81.61-201X, Electric Lamp Bases - Specifications for Bases (Caps) for Electric Lamps (revision of ANSI C81.61-2019)

BSR C81.62-201X, Electric Lampholders (revision of ANSI C81.62-2019)

NSF (NSF International)

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

BSR/NSF 4-201x (i28r2), Commercial Cooking, Rethermalization, and Powered Hot Food Holding and Transportation Equipment (revision of ANSI/NSF 4-2016)

BSR/NSF 51-201x (i19r1), Food Equipment Materials (revision of ANSI/NSF 51-2018)

TAPPI (Technical Association of the Pulp and Paper Industry)

Office: 15 Technology Parkway South
Suite 115
Peachtree Corners, GA 30092
Contact: Deborah Dodson
Phone: (770) 209-7278
E-mail: standards@tappi.org

BSR/TAPPI T 1013 om-2010 (R201x), Loss on ignition of fiber glass mats (reaffirmation of ANSI/TAPPI T 1013 om-2010)

BSR/TAPPI T 1014 om-2010 (R201x), Moisture sensitivity of fiber glass mats (reaffirmation of ANSI/TAPPI T 1014 om-2010)

BSR/TAPPI T 1016 om-2010 (R201x), Average fiber diameter of fiber glass mats (reaffirmation of ANSI/TAPPI T 1016 om-2010)

UAMA (ASC B74) (Unified Abrasives Manufacturers' Association)

Office: 30200 Detroit Road
Cleveland, OH 44145-1967
Contact: Donna Haders
Phone: (440) 899-0010
E-mail: djh@wherryassoc.com

BSR B74.11-2014 (R201x), Specifications for Random Shaped Tumbling Chip Abrasives (reaffirmation of ANSI B74.11-2014)

VITA (VMEbus International Trade Association (VITA))

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

BSR/VITA 46.30-201x, Higher Data Rate VPX (new standard)

BSR/VITA 67.2-201x, Coaxial Interconnect on VPX, 8 Position SMPM (revision of ANSI/VITA 67.2-2012)

X12 (X12 Incorporated)

Office: 24654 N. Lake Pleasant Pkwy.
Peoria, AZ 85383
Contact: Steve Bass
Phone: (425) 562-2245
E-mail: support@x12.org

BSR X12.EDI 008000-201x, Standards for Electronic Data Interchange (revision, redesignation and consolidation of ANSI X12.1-2008 (R2013), ANSI X12.3-2008 (R2013), ANSI X12.5-2004 (R2013), ANSI X12.6-2004 (R2013), ANSI X12.22-2008 (R2013), ANSI X12.56-2004 (R2013), ANSI X12.58-2004 (R2013), ANSI X12.59-2004 (R2013))

Call for Members (ANS Consensus Bodies)

Call for Committee Members

ASC O1 – Safety Requirements for Woodworking Machinery

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

- General Interest
- Government
- Producer
- User

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

Final Actions on American National Standards

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

AAMI (Association for the Advancement of Medical Instrumentation)

New National Adoption

ANSI/AAMI/ISO 11607-1-2019, Packaging for terminally sterilized medical devices - Part 1: Requirements for materials, sterile barrier systems and packaging (identical national adoption of ISO 11607-1:2019 and revision of ANSI/AAMI/ISO 11607-1-2006 (R2010)): 5/21/2019

ANSI/AAMI/ISO 11607-2-2019, Packaging for terminally sterilized medical devices - Part 2: Validation requirements for forming, sealing and assembly processes (identical national adoption of ISO 11607-2:2019 and revision of ANSI/AAMI/ISO 11607-2-2006 (R2010)): 5/21/2019

ABYC (American Boat and Yacht Council)

New Standard

ANSI/ABYC E-2-2019, Cathodic Protection (new standard): 5/21/2019

ANSI/ABYC H-3-2019, Exterior Windows, Windshields, Hatches, Doors, Port Lights, and Glazing Materials (new standard): 5/21/2019

ANSI/ABYC H-40-2019, Anchoring, Mooring, and Strong Points (new standard): 5/21/2019

ADA (American Dental Association)

New Standard

ANSI/ADA Standard No. 1084-2019, Reference Core Data Set for Communication Among Dental and Other Health Information Systems (new standard): 5/21/2019

AGA (ASC Z380) (American Gas Association)

Revision

ANSI/GPTC Z380.1-2018, Addendum No. 3, Guide for Transmission, Distribution and Gathering Piping Systems (revision of ANSI/GPTC Z380.1 -2018): 5/21/2019

AGMA (American Gear Manufacturers Association)

Reaffirmation

ANSI/AGMA 6035-2002 (R2019), Design, Rating and Application of Industrial Globoidal Wormgearing (reaffirmation of ANSI/AGMA 6035-2002 (R2013)): 5/14/2019

ANSI/AGMA 6135-2008 (R2019), Design, Rating and Application of Industrial Globoidal Wormgearing (Metric Edition) (reaffirmation of ANSI/AGMA 6135-2008 (R2013)): 5/14/2019

Revision

ANSI/AGMA 2003-D19, Rating the Pitting Resistance and Bending Strength of Generated Straight Bevel, Zerol Bevel and Spiral Bevel Gear Teeth (revision and redesignation of ANSI/AGMA 2003-2010 (R2015)): 5/14/2019

ASA (ASC S1) (Acoustical Society of America)

Reaffirmation

ANSI/ASA S1.17-2014/Part 1 (R2019), Microphone Windscreens - Part 1: Test Procedures for Measurements of Insertion Loss in Still Air (reaffirmation of ANSI/ASA S1.17-2014/Part 1): 5/21/2019

ASA (ASC S12) (Acoustical Society of America)

New Standard

ANSI/ASA S12.2-2019, Criteria for Evaluating Room Noise (new standard): 5/21/2019

ASABE (American Society of Agricultural and Biological Engineers)

New Standard

ANSI/ASABE S638-MAY19, Pintle Hitch and Ring for Over the Road Towed Implements (new standard): 5/21/2019

Reaffirmation

ANSI/ASABE/ISO 500-3-2015 (R2019), Agricultural tractors - Rear-mounted power take-off types 1, 2, 3 and 4 - Part 3: Main PTO dimensions and spline dimensions, location of PTO (reaffirm a national adoption ANSI/ASABE/ISO 500-3:2015): 5/21/2019

ANSI/ASABE/ISO AD500-1:2015 (R2019), Agricultural tractors - Rear-mounted power take-off types 1, 2, 3 and 4 - Part 1: General specifications, safety requirements, dimensions for master shield and clearance zone (reaffirm a national adoption ANSI/ASABE/ISO AD500 -1:2015): 5/21/2019

ASME (American Society of Mechanical Engineers)

Stabilized Maintenance

ANSI/ASME B5.1M-1985 (S2019), T-Slots - Their Bolts, Nuts, and Tongues (stabilized maintenance of ANSI/ASME B5.1M-1985 (R2014)): 5/21/2019

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

Revision

ANSI/ASSP A10.31-2019, Safety Requirements, Definitions and Specifications for Digger Derricks (revision and redesignation of ANSI/ASSE A10.31 -2013): 5/14/2019

ASTM (ASTM International)

Revision

ANSI/ASTM E2989-2019, Guide for Assessment of Continued Applicability of Fire Test Reports Used in Building Regulation (revision of ANSI/ASTM E2989-2015): 5/1/2019

AWEA (American Wind Energy Association)

New Standard

ANSI/AWEA SWT-1-2016, AWEA Small Wind Turbine Standard (new standard): 5/17/2019

AWS (American Welding Society)

Revision

ANSI/AWS A5.8M/A5.8-2019, Specification for Filler Metals for Brazing and Braze Welding (revision of ANSI/AWS A5.8M/A5.8-2011): 5/21/2019

ANSI/AWS D3.9/D3.9M-2019, Specification for Classification of Weld-Through Paint Primers (revision and redesignation of ANSI/AWS D3.9 -2010): 5/14/2019

ANSI/AWS D14.4/D14.4M-2019, Specification for the Design of Welded Joints in Machinery and Equipment (revision of ANSI/AWS D14.4/D14.4M -2012): 5/21/2019

ECIA (Electronic Components Industry Association)

Revision

ANSI/EIA 364-29D-2019, Contact Retention Test Procedure for Electrical Connectors (revision and redesignation of ANSI/EIA 364-29C-2006 (R2013)): 5/21/2019

ESTA (Entertainment Services and Technology Association)

New Standard

ANSI E1.30-11-2019, EPI 33 - ACN Root Layer Protocol Operation on TCP (new standard): 5/21/2019

HL7 (Health Level Seven)

Reaffirmation

ANSI/HL7 V3 RXCMET, R1-2014 (R2019), HL7 Version 3 Standard: Pharmacy CMETs, Release 1 (reaffirmation of ANSI/HL7 V3 RXCMET, R1-2014): 5/21/2019

ANSI/HL7 V3 RXMDSEVNT, R2-2014 (R2019), HL7 Version 3 Standard: Pharmacy; Medication Dispense and Supply Event, Release 2 (reaffirmation of ANSI/HL7 V3 RXMDSEVNT, R2-2014): 5/21/2019

ANSI/HL7 V3 RXMEDCMET, R1-2014 (R2019), HL7 Version 3 Standard: Pharmacy; Medication CMET, Release 1 (reaffirmation of ANSI/HL7 V3 RXMEDCMET, R1-2014): 5/21/2019

Withdrawal

ANSI/HL7 IDMP MPID, R1-2014, Health Informatics - Identification of Medicinal Products - Data Elements and Structures for Unique Identification and Exchange of Regulated Product Information, Release 1 (withdrawal of ANSI/HL7 IDMP MPID, R1-2014): 5/21/2019

ANSI/HL7 IDMP PHPID, R1-2014, Health Informatics - Identification of Medicinal Products - Data Elements and Structures for Unique Identification and Exchange of Regulated Pharmaceutical Product Information, Release 1 (withdrawal of ANSI/HL7 IDMP PHPID, R1-2014): 5/21/2019

ANSI/HL7 IDMP SUBSTID, R1-2014, Health Informatics - Identification of Medicinal Products - Data Elements and Structures for Unique Identification and Exchange of Regulated Information on Substances (withdrawal of ANSI/HL7 IDMP SUBSTID, R1-2014): 5/21/2019

IES (Illuminating Engineering Society)

New Standard

ANSI/IES LM-79-2019, IES Approved Method: Optical and Electrical Measurements of Solid-State Lighting Products (new standard): 5/14/2019

ISA (International Society of Automation)

Revision

ANSI/ISA 75.05.01-2019, Control Valve Terminology (revision of ANSI/ISA 75.05.01-2016): 5/14/2019

NFPA (National Fire Protection Association)

Revision

ANSI/NFPA 115-2020, Standard for Laser Fire Protection (revision of ANSI/NFPA 115-2016): 4/30/2019

OPEI (Outdoor Power Equipment Institute)

New Standard

ANSI/OPEI B175.7-2019, Outdoor Power Equipment - Internal Combustion Engine-Powered Hand-Held Pole Mounted Pruners - Safety and Environmental Requirements (new standard): 5/14/2019

PCI (Precast/Prestressed Concrete Institute)

New Standard

ANSI/PCI 128-2019, Specification for Glass-Fiber-Reinforced Concrete Panels (new standard): 5/21/2019

SCTE (Society of Cable Telecommunications Engineers)

Revision

ANSI/SCTE 06-2019, Composite Distortion Measurements (CSO & CTB) (revision of ANSI/SCTE 06-2015): 5/21/2019

ANSI/SCTE 115-2019, Test Method for Reverse Path (Upstream) Intermodulation Using Two Carriers (revision of ANSI/SCTE 115-2011): 5/21/2019

ANSI/SCTE 165-01-2019, IPCablecom 1.5 Part 1: Architecture Framework Technical Report (revision of ANSI/SCTE 165-1 2009): 5/14/2019

ANSI/SCTE 165-04-2019, IPCablecom 1.5 Part 4: Dynamic Quality-of-Service (revision of ANSI/SCTE 165-4 2009): 5/14/2019

ANSI/SCTE 165-5-2019, IPCablecom 1.5 Part 5: MTA Device Provisioning (revision of ANSI/SCTE 165-5 2009): 5/14/2019

ANSI/SCTE 165-06-2019, IPCablecom 1.5 Part 6: MIBS Framework (revision of ANSI/SCTE 165-6 2009): 5/14/2019

ANSI/SCTE 165-07-2019, IPCablecom 1.5 Part 7: MTA MIB (revision of ANSI/SCTE 165-7 2009): 5/14/2019

ANSI/SCTE 165-09-2019, IPCablecom 1.5 Part 9: Event Messages (revision of ANSI/SCTE 165-9 2009): 5/21/2019

ANSI/SCTE 165-11-2019, IPCablecom 1.5 Part 11: Analog Trunking for PBX Specification (revision of ANSI/SCTE 165-11-2009): 5/21/2019

ANSI/SCTE 165-13-2019, IPCablecom 1.5 Part 13: Electronic Surveillance Standard (revision of ANSI/SCTE 165-13-2009): 5/21/2019

ANSI/SCTE 165-14-2019, IPCablecom 1.5 Part 14: Embedded MTA Analog Interface and Powering (revision of ANSI/SCTE 165-14-2009): 5/21/2019

ANSI/SCTE 165-15-2019, IPCablecom 1.5 Part 15: Management Event MIB Specification (revision of ANSI/SCTE 165-15-2009): 5/21/2019

ANSI/SCTE 165-17-2019, IPCablecom 1.5 Part 17: Audio Server Protocol (revision of ANSI/SCTE 165-17-2009): 5/21/2019

ANSI/SCTE 165-19-2019, IPCablecom 1.5 Part 19: CMS Subscriber Provisioning Specification (revision of ANSI/SCTE 165-19-2009): 5/21/2019

ANSI/SCTE 165-20-2019, IPCablecom 1.5 Part 20: MTA Extension MIB (revision of ANSI/SCTE 165-20-2009): 5/21/2019

UL (Underwriters Laboratories, Inc.)

Reaffirmation

ANSI/UL 154-2009 (R2019), Standard for Safety for Carbon-Dioxide Fire Extinguishers (reaffirmation of ANSI/UL 154-2009 (R2014)): 3/5/2019

ANSI/UL 310-2014 (R2019), Standard for Safety for Electrical Quick-Connect Terminals (reaffirmation of ANSI/UL 310-2014): 5/10/2019

ANSI/UL 60950-1-2014 (R2019), Standard for Safety for Information Technology Equipment - Safety - Part 1: General Requirements (reaffirmation of ANSI/UL 60950-1-2014): 5/9/2019

ANSI/UL 61965-2014 (R2019), Standard for Safety for Mechanical Safety for Cathode Ray Tubes (reaffirmation of ANSI/UL 61965-2009): 5/9/2019

Revision

ANSI/UL 67-2019a, Standard for Safety for Panelboards (revision of ANSI/UL 67-2019): 5/15/2019

ANSI/UL 142-2019, Standard for Safety for Steel Aboveground Tanks for Flammable and Combustible Liquids (revision of ANSI/UL 142-2013): 5/17/2019

ANSI/UL 142-2019a, Standard for Safety for Steel Aboveground Tanks for Flammable and Combustible Liquids (revision of ANSI/UL 142-2013): 5/17/2019

ANSI/UL 142-2019b, Standard for Safety for Steel Aboveground Tanks for Flammable and Combustible Liquids (revision of ANSI/UL 142-2013): 5/17/2019

ANSI/UL 484-2019, Standard for Room Air Conditioners (revision of ANSI/UL 484-2018): 5/15/2019

ANSI/UL 746E-2019, Standard for Safety for Polymeric Materials - Industrial Laminates, Filament Wound Tubing, Vulcanized Fibre, and Materials Used In Printed-Wiring Boards (revision of ANSI/UL 746E-2017): 5/9/2019

ANSI/UL 746E-2019a, Standard for Safety for Polymeric Materials - Industrial Laminates, Filament Wound Tubing, Vulcanized Fibre, and Materials Used In Printed-Wiring Boards (revision of ANSI/UL 746E-2017): 5/9/2019

ANSI/UL 962A-2019, Standard for Safety for Furniture Power Distribution Units (revision of ANSI/UL 962A-2018): 4/23/2019

ANSI/UL 1561-2019, Standard for Safety for Dry-Type General Purpose and Power Transformers (revision of ANSI/UL 1561-2015): 5/13/2019

Project Initiation Notification System (PINS)

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

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

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

ASQ (American Society for Quality)

Contact: Julie Sharp, (800) 248-1946, standards@asq.org
600 N Plankinton Ave, Milwaukee, WI 53203

New Standard

ASQ/BSR ID1-201x, Inspection techniques and requirements - Guidelines (new standard)

Stakeholders: Government, industry, and academia.

Project Need: Currently, there is no standard for inspection techniques and requirements. The previous standards have been inactivated along with many other military standards. The only active standard associated with inspection is not focused on individual techniques or use of measuring devices (gages).

Pertains to the inspections and tests necessary to substantiate conformity to drawings, specifications, and contractual requirements as well as all inspection and tests required by regulatory/statutory requirements.

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/E1.68-201x, Recommended Practice for Evaluating DMX512 (ANSI E1.11) Interoperability (new standard)

Stakeholders: Manufacturers of DMX512 (ANSI E1.11) lighting equipment, specifiers, installers, buyers, repair technicians, and users of DMX512 (ANSI E1.11) lighting equipment.

Project Need: Lighting equipment is often sold that ostensibly communicate using DMX512 (ANSI E1.11) . However, the equipment only works with some DMX512 devices and not others. This results in non-functional systems or expensive work-arounds.

The standard is a recommended practice for evaluating DMX512 (ANSI E1.11) interoperability, to help minimize problems in the field associated with violations of critical elements of the standard. The recommended practice will not attempt to assure 100% compliance with all requirements in the standard; it will focus on those that have been proven to make interoperability unlikely or unreliable.

HI (Hydraulic Institute)

Contact: Edgar Suarez, (973) 267-9700, esuarez@pumps.org
6 Campus Drive, Suite 104, Parsippany, NJ 07054-4406

Revision

BSR/HI 5.1-5.6-201x, Sealless Rotodynamic Pumps for Nomenclature, Definitions, Design, Application, Operation, and Test (revision of ANSI/HI 5.1-5.6-2016)

Stakeholders: Pump manufacturers, specifiers, purchasers, and users.

Project Need: There is a need to revise the existing ANSI/HI 5.1-5.6-2016 standard to include updated requirements.

This standard covers types and nomenclature, definitions, design and application, installation, operation and maintenance, and test of sealless rotodynamic pumps driven by canned motors or magnetic couplings.

BSR/HI 9.6.4-201x, Rotodynamic Pumps for Vibration Measurements and Allowable Values (revision of ANSI/HI 9.6.4-2016)

Stakeholders: Pump manufacturers, specifiers, purchasers, and users.

Project Need: There is a need to revise the existing ANSI/HI 9.6.4-2016 standard to include updated requirements.

This standard pertains to evaluation of vibration when the vibration measurements are made on stationary parts associated with bearings (bearing housings) of rotodynamic pumps. It provides specific maximum allowable vibration values measured on bearing housings of rotodynamic pumps in field and factory test environments.

BSR/HI 9.6.6-201x, Rotodynamic Pumps for Pump Piping (revision of ANSI/HI 9.6.6-2016)

Stakeholders: Pump manufacturers, specifiers, purchasers, and users.

Project Need: There is a need to revise the existing ANSI/HI 9.6.6-2016 standard to include updated requirements.

This standard provides required and recommended practices for pump piping that, if followed, should reduce the risk of the pump failing to perform properly due to interaction with the system. The objectives of this standard are to provide piping requirements for rotodynamic pump piping and to educate users about the effects and interactions of inlet (suction) and outlet (discharge) piping on rotodynamic pump performance.

IEEE (ASC C63) (Institute of Electrical and Electronics Engineers)

Contact: Jennifer Santulli, (732) 562-3874, J.Santulli@ieee.org
445 Hoes Lane, Piscataway, NJ 08854

New Standard

BSR C63.25.2-201x, Draft Standard for Validation Methods for Radiated Emission Test Sites, 30 MHz to 1 GHz (new standard)

Stakeholders: EMC test laboratories, test equipment manufacturers, EMC software manufacturers, accreditation bodies and regulatory authorities.

Project Need: This project will create a standalone standard for Normalized Site Attenuation (NSA) measurements from 30 MHz - 1000 MHz. This standard will incorporate, as necessary, Annex D of ANSI C63.4a-2017 as well as include any necessary information from C63.4-2014 and C63.5-2017 related strictly to NSA (e.g., Antennas allowed to be used, geometry-specific correction factors for biconical dipoles used in normalized site attenuation measurements). This standard can then be referenced by other ANSI C63 standards where NSA requirements are necessary.

This standard will contain the methods to conduct Normalized Site Attenuation from 30MHz - 1000MHz

NEMA (ASC C8) (National Electrical Manufacturers Association)

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

Revision

BSR NEMA WC 55021-201x, Military Internal Electrical Cable (revision of ANSI/NEMA WC 55021-2013)

Stakeholders: Parties with an interest in in insulated wires for use in aerospace, electrical, electronic, and high-performance applications.

Project Need: Revisions necessary to bring the standard in line with current manufacturing processes.

This standards publication covers specific requirements for finished cables. The cables are intended for internal wiring of electrical equipment for use in the hook-up of various electronic assemblies. The component wires are covered by other reference standards. Cables constructed with PVC-insulated wires or jackets are not to be used for aerospace applications.

NEMA (ASC C81) (National Electrical Manufacturers Association)

Contact: David Richmond, (703) 841-3234, David.Richmond@nema.org
1300 North 17th Street, Suite 1752, Arlington, VA 22209

Revision

BSR C81.61-201X, Electric Lamp Bases - Specifications for Bases (Caps) for Electric Lamps (revision of ANSI C81.61-2019)

Stakeholders: Manufacturers, designers, testing labs, and users.

Project Need: This project is needed to add specification for GY8.6 pin base (fit system).

This standard sets forth the specifications for bases (caps) used on electric lamps.

BSR C81.62-201X, Electric Lampholders (revision of ANSI C81.62-2019)

Stakeholders: Manufacturers, designers, testing labs, and end users.

Project Need: This project is needed to add specification for GY8.6 lampholders (fit system).

This standard sets forth the specifications for lampholders for electric lamps.

TAPPI (Technical Association of the Pulp and Paper Industry)

Contact: Deborah Dodson, (770) 209-7278, standards@tappi.org
15 Technology Parkway South, Suite 115, Peachtree Corners, GA 30092

Reaffirmation

BSR/TAPPI T 1013 om-2010 (R201x), Loss on ignition of fiber glass mats (reaffirmation of ANSI/TAPPI T 1013 om-2010)

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

Project Need: To conduct the required five-year review of an existing TAPPI/ANSI Standard.

This method covers the determination of the percent loss on ignition of fiber glass mats. This ignition loss can be considered to be the binder content.

BSR/TAPPI T 1014 om-2010 (R201x), Moisture sensitivity of fiber glass mats (reaffirmation of ANSI/TAPPI T 1014 om-2010)

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

Project Need: To conduct the required five-year review of an existing TAPPI/ANSI Standard.

This test method covers the determination of the moisture sensitivity of fiber glass mat binder systems.

BSR/TAPPI T 1016 om-2010 (R201x), Average fiber diameter of fiber glass mats (reaffirmation of ANSI/TAPPI T 1016 om-2010)

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

Project Need: To conduct the required five-year review of an existing TAPPI/ANSI Standard.

This method covers the determination of the average fiber diameter (or distribution of diameters) of fibers used in nonwoven fiber glass mats.

UL (Underwriters Laboratories, Inc.)

Contact: Mitchell Gold, (847) 664-2850, mitchell.gold@ul.com
333 Pfingsten Road, Northbrook, IL 60062-2096

New Standard

BSR/UL 486L-201x, Standard for Safety for Large Ferrules (new standard)

Stakeholders: Wire and cable industry, electrical and electronics manufacturers.

Project Need: Existing standard ANSI/UL 486F covers bare and covered ferrules, yet a need has been identified for requirements covering large ferrules. The requirements developed by UL would address this standards gap. Additionally, recognizing the needs of industry, the CANENA Technical Harmonization Committee 99 for Electrical Connectors requested the development of a bi-nationally harmonized standard for Large Ferrules, producing harmonized requirements in both the US and Canada. The UL requirements will be covered under this bi-national harmonization effort.

These requirements include bare and covered large ferrules intended for field wiring and factory wiring for use in accordance with the National Electrical Code, ANSI/NFPA-70, Canadian Electrical Code, CSA C22.1, and Mexican Electrical Code, ANCE NOM -001-SEDE. These large ferrules are intended to facilitate the connection of stranded wire on to devices, such as terminal blocks and mechanical wire connectors. Their purpose is to treat stripped wire and prevent turned back strands during installation. These large ferrules are suitable for use with 2/0 to 750 kcmil, 70 to 380 mm2 copper conductors that are more finely stranded than Class B or C conductors. These large ferrules are intended to be terminated in wire connection devices rated for copper Class B and C conductors. These large ferrules are intended for use in Aluminum and Copper body mechanical connectors with dome shaped screws that apply direct pressure to the conductor being terminated. These are not intended for use in other types of connectors, including, but not limited to, IDC (insulation displacement connection) connectors.

X12 (X12 Incorporated)

Contact: Steve Bass, (425) 562-2245, support@x12.org
24654 N. Lake Pleasant Pkwy., Peoria, AZ 85383

Revision

BSR X12.EDI 008000-201x, Standards for Electronic Data Interchange (revision, redesignation and consolidation of ANSI X12.1 -2008 (R2013), ANSI X12.3-2008 (R2013), ANSI X12.5-2004 (R2013), ANSI X12.6-2004 (R2013), ANSI X12.22-2008 (R2013), ANSI X12.56-2004 (R2013), ANSI X12.58-2004 (R2013), ANSI X12.59-2004 (R2013))

Stakeholders: Transportation, finance, supply chain, and insurance industries.

Project Need: X12 has been collecting change requests and processing them since 2015. This standard represents the culmination of that effort.

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

American National Standards Maintained Under Continuous Maintenance

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

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

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

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

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

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

ANSI-Accredited Standards Developers Contact Information

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

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

AAMI
Association for the Advancement of Medical Instrumentation
901 N. Glebe Road, Suite 300
Arlington, VA 22203
Phone: (703) 253-8284
Web: www.aami.org

AARST
American Association of Radon Scientists and Technologists
527 Justice Street
Hendersonville, NC 28739
Phone: (202) 830-1110
Web: www.aarst.org

ABYC
American Boat and Yacht Council
613 Third Street
Suite 10
Annapolis, MD 21403
Phone: (410) 990-4460
Web: www.abycinc.org

ADA (Organization)
American Dental Association
211 East Chicago Avenue
Chicago, IL 60611-2678
Phone: (312) 587-4129
Web: www.ada.org

AGA (ASC Z380)
American Gas Association
400 North Capitol Street, NW
Suite 450
Washington, DC 20001
Phone: (202) 824-7339
Web: www.aga.org

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

ASA (ASC S1)
Acoustical Society of America
1305 Walt Whitman Road
Suite 300
Melville, NY 11747
Phone: (631) 390-0215
Web: www.acousticalsociety.org

ASA (ASC S12)
Acoustical Society of America
1305 Walt Whitman Road
Suite 300
Melville, NY 11747
Phone: (631) 390-0215
Web: www.acousticalsociety.org

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

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

ASME
American Society of Mechanical Engineers
Two Park Avenue
New York, NY 10016-5990
Phone: (212) 591-8521
Web: www.asme.org

ASQ
American Society for Quality
600 N Plankinton Ave
Milwaukee, WI 53203
Phone: (800) 248-1946
Web: www.asq.org

ASSP (Safety)
American Society of Safety Professionals
520 N. Northwest Highway
Park Ridge, IL 60068
Phone: (847) 768-3411
Web: www.assp.org

ASTM
ASTM International
100 Barr Harbor Drive
West Conshohocken, PA 19428-2959
Phone: (610) 832-9696
Web: www.astm.org

ATIS
Alliance for Telecommunications Industry Solutions
1200 G Street NW
Suite 500
Washington, DC 20005
Phone: (516) 796-6087
Web: www.atis.org

AWEA
American Wind Energy Association
1501 M Street, NW,
Suite 1000
Washington, DC 20005
Phone: (202) 249-7344
Web: www.awea.org

AWS
American Welding Society
8669 Doral Blvd
Suite 130
Doral, FL 33166
Phone: (800) 443-9353
Web: www.aws.org

AWWA
American Water Works Association
6666 W. Quincy Ave.
Denver, CO 80235
Phone: (303) 347-6178
Web: www.awwa.org

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

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

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

HI
Hydraulic Institute
6 Campus Drive
Suite 104
Parsippany, NJ 07054-4406
Phone: (973) 267-9700
Web: www.pumps.org

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

IAPMO (ASSE Chapter)
ASSE International Chapter of IAPMO
18927 Hickory Creek Dr Suite 220
Mokena, IL 60448
Phone: (708) 995-3017
Web: www.asse-plumbing.org

IEEE (ASC C63)
Institute of Electrical and Electronics Engineers
445 Hoes Lane
Piscataway, NJ 08854
Phone: (732) 562-3874
Web: www.ieee.org

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

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

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

ITSDF
Industrial Truck Standards Development Foundation, Inc.
1750 K Street NW
Suite 460
Washington, DC 20006
Phone: (202) 296-9880
Web: www.indtrk.org

NEMA (ASC C8)
National Electrical Manufacturers Association
1300 N. 17th Street, Suite 900
Rosslyn, VA 22209
Phone: (703) 841-3231
Web: www.nema.org

NEMA (ASC C81)
National Electrical Manufacturers Association
1300 North 17th Street
Suite 1752
Arlington, VA 22209
Phone: (703) 841-3234
Web: www.nema.org

NENA
National Emergency Number Association

16603 Meadow Cove Street
Tampa, FL 33624-1283
Phone: (727) 312-3230

Web: www.nena.org

NFPA
National Fire Protection Association

One Batterymarch Park
Quincy, MA 02169
Phone: (617) 984-7246

Web: www.nfpa.org

NSF
NSF International

789 N. Dixboro Road
Ann Arbor, MI 48105-9723
Phone: (734) 827-3817

Web: www.nsf.org

OPEI
Outdoor Power Equipment Institute

1605 King Street
Alexandria, VA 22314
Phone: (703) 549-7600

Web: www.opei.org

PCI
Precast/Prestressed Concrete Institute

200 West Adams Street, Suite 2100
Chicago, IL 60606-5230
Phone: (312) 360-3219

Web: www.pci.org

SCTE
Society of Cable Telecommunications Engineers

140 Philips Road
Exton, PA 19341-1318
Phone: (484) 252-2330

Web: www.scte.org

TAPPI
Technical Association of the Pulp and Paper Industry

15 Technology Parkway South
Suite 115
Peachtree Corners, GA 30092
Phone: (770) 209-7278

Web: www.tappi.org

UAMA (ASC B74)
Unified Abrasives Manufacturers' Association

30200 Detroit Road
Cleveland, OH 44145-1967
Phone: (440) 899-0010

Web: www.uama.org

UL
Underwriters Laboratories, Inc.

333 Pfingsten Road
Northbrook, IL 60062-2096
Phone: (847) 664-2850

Web: www.ul.com

VITA
VMEbus International Trade Association (VITA)

929 W. Portobello Avenue
Mesa, AZ 85210
Phone: (602) 281-4497

Web: www.vita.com

X12
X12 Incorporated

24654 N. Lake Pleasant Pkwy.
Peoria, AZ 85383
Phone: (425) 562-2245

Web: www.x12.org

ISO & IEC Draft International Standards

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

Comments

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

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

Ordering Instructions

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

ISO Standards

AGRICULTURAL FOOD PRODUCTS (TC 34)

ISO 6579-1/DAmd1, Microbiology of the food chain - Horizontal method for the detection, enumeration and serotyping of Salmonella - Part 1: Detection of Salmonella spp. - Amendment 1: Broader range of incubation temperatures, amendment to the status of Annex D, and correction of the composition of MSRV and SC - 8/1/2019, $58.00

BASES FOR DESIGN OF STRUCTURES (TC 98)

ISO/DIS 13824, Bases for design of structures - General principles on risk assessment of systems involving structures - 6/9/2019, $134.00

BUILDING CONSTRUCTION (TC 59)

ISO/DIS 19650-5, Organization and digitization of information about buildings and civil engineering works, including building information modelling (BIM) - Information management using building information modelling - Part 5: Security-minded approach to information management - 7/29/2019, $98.00

COMMUNITY SCALE RESOURCE ORIENTED SANITATION TREATMENT SYSTEMS (TC 318)

ISO/DIS 31800, Faecal sludge treatment units - Energy independent, prefabricated, community-scale, resource recovery units - Safety and performance requirements - 8/3/2019, $125.00

CONTROL AND SAFETY DEVICES FOR NON INDUSTRIAL GAS-FIRED APPLIANCES AND SYSTEMS (TC 161)

ISO 23551-8/DAmd2, Safety and control devices for gas burners and gas-burning appliances - Particular requirements - Part 8: Multifunctional controls - Amendment 2: Optional requirements for components of burner control systems - 6/7/2019, $58.00

CORROSION OF METALS AND ALLOYS (TC 156)

ISO/DIS 11845, Corrosion of metals and alloys - General principles for corrosion testing - 6/7/2019, $53.00

CRANES (TC 96)

ISO/DIS 7296-2, Cranes - Graphical symbols - Part 2: Mobile cranes - 6/8/2019, $58.00

DENTISTRY (TC 106)

ISO/DIS 22052, Dentistry - Central compressed air source equipment - 6/6/2019, $88.00

EQUIPMENT FOR FIRE PROTECTION AND FIRE FIGHTING (TC 21)

ISO 6183/DAmd2, Fire protection equipment - Carbon dioxide extinguishing systems for use on premises - Design and installation - Amendment 2 - 6/6/2019, $33.00

FLOOR COVERINGS (TC 219)

ISO/DIS 2551, Textile floor coverings and textile floor coverings in tile form - Determination of dimensional changes due to the effects of varied water and heat conditions and distortion out of plane - 6/7/2019, $40.00

ISO/DIS 11638, Resilient floor coverings - Heterogeneous poly(vinyl chloride) flooring on foam - Specification - 7/28/2019, $53.00

ISO/DIS 12951, Textile floor coverings - Determination of mass loss, fibre bind and stair nosing appearance change using the Lisson Tretrad machine - 6/7/2019, $62.00

FLUID POWER SYSTEMS (TC 131)

ISO/DIS 10100, Hydraulic fluid power - Cylinders - Acceptance tests - 6/9/2019, $53.00

HEALTH INFORMATICS (TC 215)

ISO/DIS 17090-4, Health informatics - Public key infrastructure - Part 4: Digital signatures for healthcare documents - 6/6/2019, $93.00

INDUSTRIAL AUTOMATION SYSTEMS AND INTEGRATION (TC 184)

ISO/DIS 20242-5, Industrial automation systems and integration - Service interface for testing applications - Part 5: Application program service interface - 6/10/2019, $245.00

INDUSTRIAL TRUCKS (TC 110)

ISO/DIS 10896-1, Rough-terrain trucks - Safety requirements and verification - Part 1: Variable-reach trucks - 7/29/2019, $125.00

MEDICAL DEVICES FOR INJECTIONS (TC 84)

ISO 10555-6/DAmd1, Intravascular catheters - Sterile and single-use catheters - Part 6: Subcutaneous implanted ports - Amendment 1 - 6/6/2019, $29.00

ISO/DIS 7886-2, Sterile hypodermic syringes for single use - Part 2: Syringes for use with power-driven syringe pumps - 6/10/2019, $77.00

ISO/DIS 7886-3, Sterile hypodermic syringes for single use - Part 3: Auto-disabled syringes for fixed-dose immunization - 11/15/2027, $67.00

OTHER

ISO/DIS 18219-2, Leather - Determination of chlorinated hydrocarbons in leather - Part 2: Chromatographic method for middle-chain chlorinated paraffins (MCCP) - 7/26/2019, $40.00

PLASTICS (TC 61)

ISO/DIS 10352, Fibre-reinforced plastics - Moulding compounds and prepregs - Determination of mass per unit area and fibre mass per unit area - 8/1/2019, $62.00

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

ISO 21307/DAmd1, Plastics pipes and fittings - Butt fusion jointing procedures for polyethylene (PE) piping systems - Amendment 1 - 6/10/2019, $29.00

ROAD VEHICLES (TC 22)

ISO/DIS 21111-1, Road vehicles - In-vehicle Ethernet - Part 1: General information and definitions - 8/1/2019, $53.00

ISO/DIS 21111-2, Road vehicles - In-vehicle Ethernet - Part 2: Common physical entity requirements - 8/1/2019, $102.00

ISO/DIS 21111-3, Road vehicles - In-vehicle Ethernet - Part 3: Optical 1-Gbit/s physical entity requirements and conformance test plan - 8/1/2019, $203.00

ISO/DIS 21308-2, Road vehicles - Product data exchange between chassis and bodywork manufacturers (BEP) - Part 2: Dimensional bodywork exchange parameters - 7/28/2019, $155.00

ISO/DIS 21308-3, Road vehicles - Product data exchange between chassis and bodywork manufacturers (BEP) - Part 3: General, mass and administrative exchange parameters - 7/28/2019, $82.00

RUBBER AND RUBBER PRODUCTS (TC 45)

ISO/DIS 7725, Rubber and rubber products - Determination of chlorine and bromine content - 6/6/2019, $77.00

ISO/DIS 15671, Rubber and rubber products - Determination of total sulfur content using an automatic analyser - 8/2/2019, $40.00

ISO/DIS 22843, Rubber bands - General requirements and test methods - 7/28/2019, $46.00

SAFETY OF TOYS (TC 181)

ISO/DIS 8124-3, Safety of toys - Part 3: Migration of certain elements - 6/10/2019, $98.00

SHIPS AND MARINE TECHNOLOGY (TC 8)

ISO/DIS 13733, Ships and marine technology - Ships mooring and towing fittings - Universal fairleads with upper roller - 8/1/2019, $77.00

SIEVES, SIEVING AND OTHER SIZING METHODS (TC 24)

ISO/DIS 15900, Determination of particle size distribution - Differential electrical mobility analysis for aerosol particles - 8/1/2019, $155.00

SMALL CRAFT (TC 188)

ISO/DIS 23411, Small craft - Steering wheels - 7/28/2019, $107.00

ISO/DIS 8099-2, Small craft - Waste systems - Part 2: Sewage treatment systems - 6/10/2019, $46.00

TEXTILES (TC 38)

ISO/DIS 12945-1, Textiles - Determination of the resistance to pilling and change of appearance of fabrics - Part 1: Pilling box method - 12/4/2008, $46.00

ISO/DIS 12945-2, Textiles - Determination of fabric propensity to surface pilling, fuzzing or matting - Part 2: Modified Martindale method - 8/2/2019, $58.00

ISO/DIS 12945-3, Textiles - Determination of fabric propensity to surface fuzzing and to pilling - Part 3: Random tumble pilling method - 11/6/2008, $58.00

ISO/DIS 12945-4, Textiles - Determination of fabric propensity to surface pilling, fuzzing or matting - Part 4: Assessment of pilling, fuzzing or matting by visual analysis - 8/2/2019, $40.00

TOBACCO AND TOBACCO PRODUCTS (TC 126)

ISO/DIS 13276, Tobacco and tobacco products - Determination of nicotine purity - Gravimetric method using tungstosilicic acid - 6/10/2019, $40.00

TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY (TC 23)

ISO/DIS 6533, Forestry machinery - Portable chain-saw front hand-guard - Dimensions and clearances - 6/9/2019, $53.00

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

ISO 14906/DAmd1, Electronic fee collection - Application interface definition for dedicated short-range communication - Amendment 1 - 8/1/2019, $33.00

ISO/DIS 14907-1, Electronic fee collection - Test procedures for user and fixed equipment - Part 1: Description of test procedures - 8/1/2019, $155.00

TYRES, RIMS AND VALVES (TC 31)

ISO/DIS 20911, Radio frequency identification (RFID) tyre tags - Tyre attachment classification - 7/29/2019, $46.00

ISO/DIS 20912, Conformance test methods for RFID enabled tyres - 7/29/2019, $53.00

WATER QUALITY (TC 147)

ISO/DIS 22017, Water quality - Guidance for rapid radioactivity measurements in nuclear or radiological emergency situation - 8/2/2019, $77.00

WOOD-BASED PANELS (TC 89)

ISO/DIS 18775, Veneers - Terms and definitions, determination of physical characteristics and tolerances - 6/7/2019, $71.00

ISO/DIS 2426-1, Plywood - Classification by surface appearance - Part 1: General - 6/7/2019, $40.00

ISO/DIS 2426-2, Plywood - Classification by surface appearance - Part 2: Hardwood - 6/7/2019, $40.00

ISO/IEC JTC 1, Information Technology

ISO/IEC DIS 29184, Information technology - Online privacy notices and consent - 7/28/2019, $82.00

IEC Standards

2/1959/CD, IEC 60034-11 ED3: Rotating electrical machines - Part 11: Thermal protection, 019/8/9/

15/889/FDIS, IEC 60684-3-214 ED4: Flexible insulating sleeving - Part 3: Specifications for individual types of sleeving - Sheet 214: Heat-shrinkable, polyolefin sleeving, not flame retarded, thick and medium wall, 2019/6/28

15/890/FDIS, IEC 60684-3-247 ED2: Flexible insulating sleeving - Part 3: Specifications for individual types of sleeving - Sheet 247: Heat-shrinkable, polyolefin sleeving, dual wall, not flame retarded, thick and medium wall, 2019/6/28

15/891/FDIS, IEC 60684-3-280 ED2: Flexible insulating sleeving - Part 3: Specifications for individual types of sleeving - Sheet 280: Heat-shrinkable, polyolefin sleeving, anti-tracking, 2019/6/28

15/892/FDIS, IEC 60684-3-283 ED2: Flexible insulating sleeving - Part 3: Specifications for individual types of sleeving - Sheet 283: Heat-shrinkable, polyolefin sleeving for bus-bar insulation, 2019/6/28

17C/711/NP, PNW TS 17C-711: High-voltage switchgear and controlger - Part 316: Mobile substation using air and gas-Insulated switchgear assemblies, 019/8/9/

17C/712/NP, PNW TS 17C-712: High-voltage switchgear and controlgear - Part 317 DC gas-insulated switchgear assemblies, 019/8/9/

34C/1454/CD, IEC 61347-2-10 ED2: Lamp controlgear - Part 2-10: Particular requirements for electronic invertors and convertors for high-frequency operation of cold start tubular discharge lamps (neon tubes), 019/8/9/

46F/459/FDIS, IEC 63137-1 ED1: Standard test radio-frequency connectors - Part 1: Generic specification - General requirements and test methods, 2019/6/28

47/2577/NP, PNW 47-2577: Semiconductor devices - Reliability test method for silicon carbide descrete metal-oxide semiconductor field effect transistors - Part 2: Test method for bipolar degradation by body diode operating, 019/8/9/

47/2576/NP, PNW 47-2576: Semiconductor devices - Reliability test method for silicon carbide descrete metal-oxide semiconductor field effect transistors - Part 1: Test method for bias temperature instability, 019/8/9/

47/2578/NP, PNW 47-2578: Semiconductor devices - Reliability test method of on-stress reliability by inductive load switching for gallium nitride transistors, 019/8/9/

47E/654/CDV, IEC 60747-17 ED1: Semiconductor devices - Part 17: Magnetic and capacitive coupler for basic and reinforced isolation, 019/8/9/

47E/651/CDV, IEC 60747-5-9 ED1: Semiconductor devices - Part 5-9: Optoelectronic devices - Light emitting diodes - Test method of the internal quantum efficiency based on the temperature-dependent electroluminescence, 019/8/9/

47E/652/CDV, IEC 60747-5-10 ED1: Semiconductor devices - Part 5 -10: Optoelectronic devices - Light emitting diodes - Test method of the internal quantum efficiency based on the room-temperature reference point, 019/8/9/

47E/653/CDV, IEC 60747-5-11 ED1: Semiconductor devices - Part 5 -11: Optoelectronic devices - Light emitting diodes - Test method of radiative and nonradiative currents of light emitting diodes, 019/8/9/

55/1758/CDV, IEC 60317-12 ED4: Specifications for particular types of winding wires - Part 12: Polyvinyl acetal enamelled round copper wire, class 120, 019/8/9/

55/1766/CDV, IEC 60317-70-2 ED1: Specifications for particular types of winding wires - Part 70-2: Polyester glass-fibre wound resin/varnish impregnated, bare or enamelled round copper wire, temperature index 155, 019/8/9/

55/1760/CDV, IEC 60317-18 ED4: Specifications for particular types of winding wires - Part 18: Polyvinyl acetal enamelled rectangular copper wire, class 120, 019/8/9/

55/1765/CDV, IEC 60317-70-1 ED1: Specifications for particular types of winding wires - Part 70-1: Polyester glass-fibre wound unvarnished and fused, bare or enamelled round copper wire, temperature index 155, 019/8/9/

55/1769/CDV, IEC 60317-82 ED1: Specifications for particular types of winding wires - Part 82: Polyesterimide enamelled rectangular copper wire, class 200, 019/8/9/

55/1761/CDV, IEC 60317-25 ED4: Specifications for particular types of winding wires - Part 25: Polyester or polyesterimide overcoated with polyamide-imide enamelled round aluminium wire, class 200, 019/8/9/

55/1759/CDV, IEC 60317-17 ED4: Specifications for particular types of winding wires - Part 17: Polyvinyl acetal enamelled rectangular copper wire, class 105, 019/8/9/

55/1762/CDV, IEC 60317-60-1 ED1: Specifications for particular types of winding wires - Part 60-1: Polyester glass-fibre wound fused, unvarnished, bare or enamelled rectangular copper wire, temperature index 155, 019/8/9/

55/1763/CDV, IEC 60317-60-2 ED1: Specifications for particular types of winding wires - Part 60-2: Polyester glass-fibre wound, resin or varnish impregnated, bare or enamelled rectangular copper wire, temperature index 155, 019/8/9/

55/1764/CDV, IEC 60317-62 ED2: Specifications for particular types of winding wires - Part 62: Polyester glass fibre wound, minimum class 200 resin or varnish impregnated, bare or enamelled rectangular copper wire, temperature index 200, 019/8/9/

59/704/CD, IEC TR 63250 ED1: Household electrical appliances - Method of measuring performance - Assessment of repeatability and reproducibility, 019/8/9/

62A/1332/CD, IEC 63120 ED1: Refurbishment of medical electrical equipment, medical electrical systems and sub-assemblies and reuse of components as part of the extended life-cycle, 019/8/9/

64/2377/CD, IEC 60364-4-42 ED4: Low-voltage electrical installations - Part 4-42: Protection for safety - Protection against thermal effects, 019/9/6/

65C/960/CDV, IEC 61784-3-12/AMD1 ED1: Industrial communication networks - Profiles - Part 3-12: Functional safety fieldbuses - Additional specifications for CPF 12, 019/8/9/

65E/654/CDV, IEC 62714-4 ED1: Engineering data exchange format for use in industrial automation systems engineering - Automation Markup Language - Part 4: Logic, 019/8/9/

69/655A/CD, IEC 61980-1 ED2: Electric vehicle wireless power transfer (WPT) systems - Part 1: General requirements, 2019/7/12

82/1591/CD, IEC 62788-7-3 ED1: Measurement procedures for materials used in photovoltaic modules - Part 7-3: Environmental exposures - Accelerated abrasion tests of PV module external surfaces, 019/8/9/

82/1592/CD, IEC TS 63209 ED1: Extended-stress testing of photovoltaic modules for risk analysis, 019/8/9/

86B/4211/CD, IEC 61300-2-56 ED1: Fibre optic interconnecting devices and passive components - Basic test and measurement procedure - Part 2-56: Tests - Wind resistance of mounted housing, 2019/7/12

110/1102/DTR, IEC TR 63211-2-12 ED1: Durability test methods for electronic displays - Part 2-12: Environmental tests - Environmental conditions of use, storage and transportation of electronic displays, 2019/7/12

113/475/CD, IEC TS 62876-3-1 ED1: Nanomanufacturing - Reliability assessment - Part 3.1: Graphene materials - Stability test: Temperature and humidity, 2019/7/12

120/152/CD, IEC 62933-1 ED2: Electrical energy storage (EES) systems - Part 1: Vocabulary, 019/8/9/

SyCSmartCities/87/CDV, IEC 63152 ED1: Smart Cities - City Service Continuity against disasters - The role of the electrical supply, 019/8/9/

SyCSmartEnergy/107/NP, PNW TS SYCSMARTENERGY-107: SRD: Interfaces of smart grid users with other smart grid stakeholders - Standardisation landscape, 019/8/9/

Newly Published IEC Standards

Listed here are new and revised standards recently approved and promulgated by 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).

AUTOMATIC CONTROLS FOR HOUSEHOLD USE (TC 72)

IEC 60730-2-11 Ed. 3.0 b:2019, Automatic electrical controls - Part 2 -11: Particular requirements for energy regulators, $82.00

S+ IEC 60730-2-11 Ed. 3.0 en:2019 (Redline version), Automatic electrical controls - Part 2-11: Particular requirements for energy regulators, $107.00

DOCUMENTATION AND GRAPHICAL SYMBOLS (TC 3)

IEC/IEEE 82079-1 Ed. 2.0 b:2019, Preparation of information for use (instructions for use) of products - Part 1: Principles and general requirements, $352.00

ELECTRICAL ACCESSORIES (TC 23)

IEC 60320-1 Ed. 3.0 b cor.2:2019, Corrigendum 2 - Appliance couplers for household and similar general purposes - Part 1: General requirements, $0.00

ELECTRICAL EQUIPMENT IN MEDICAL PRACTICE (TC 62)

IEC 80601-2-26 Ed. 1.0 b:2019, Medical electrical equipment - Part 2 -26: Particular requirements for the basic safety and essential performance of electroencephalograph, $235.00

ELECTRICAL INSTALLATIONS OF BUILDINGS (TC 64)

IEC 60364-8-1 Ed. 2.0 en cor.1:2019, Corrigendum 1 - Low-voltage electrical installations - Part 8-1: Functional aspects - Energy efficiency, $0.00

ELECTROMAGNETIC COMPATIBILITY (TC 77)

IEC 61000-4-18 Ed. 2.0 b:2019, Electromagnetic compatibility (EMC) - Part 4-18: Testing and measurement techniques - Damped oscillatory wave immunity test, $317.00

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

IEC 60512-11-1 Ed. 2.0 b:2019, Connectors for electrical and electronic equipment - Tests and measurements - Part 11-1: Climatic tests - Test 11a - Climatic sequence, $47.00

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

IEC 60068-3-5 Ed. 2.0 b:2018, Environmental testing - Part 3-5: Supporting documentation and guidance - Confirmation of the performance of temperature chambers, $82.00

FIBRE OPTICS (TC 86)

IEC 62129-3 Ed. 1.0 b:2019, Calibration of wavelength/optical frequency measurement instruments - Part 3:Optical frequency meters internally referenced to a frequency comb, $164.00

LAMPS AND RELATED EQUIPMENT (TC 34)

IEC 63128 Ed. 1.0 b:2019, Lighting control interface for dimming - Analogue voltage dimming interface for electronic current sourcing controlgear, $47.00

IEC 62386-104 Ed. 1.0 b:2019, Digital addressable lighting interface - Part 104: General requirements - Wireless and alternative wired system components, $317.00

METHODS FOR THE ASSESSMENT OF ELECTRIC, MAGNETIC AND ELECTROMAGNETIC FIELDS ASSOCIATED WITH HUMAN EXPOSURE (TC 106)

IEC 62209-2 Ed. 1.1 b:2019, Human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices - Human models, instrumentation, and procedures - Part 2: Procedure to determine the specific absorption rate (SAR) for wireless communication devices used in close proximity to the human body (frequency range of 30 MHz to 6 GHz), $528.00

IEC 62209-2 Amd.1 Ed. 1.0 b:2019, Amendment 1 - Human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices - Human models, instrumentation, and procedures - Part 2: Procedure to determine the specific absorption rate (SAR) for wireless communication devices used in close proximity to the human body (frequency range of 30 MHz to 6 GHz), $12.00

OTHER

IEC/SRD 62913-2-1 Ed. 1.0 en:2019, Generic smart grid requirements - Part 2-1: Grid related domains, $387.00

IEC/SRD 62913-2-2 Ed. 1.0 en:2019, Generic smart grid requirements - Part 2-2: Market related domain, $281.00

IEC/SRD 62913-2-3 Ed. 1.0 en:2019, Generic smart grid requirements - Part 2-3: Resources connected to the grid domains, $410.00

IEC/SRD 62913-2-4 Ed. 1.0 en:2019, Generic smart grid requirements - Part 2-4: Electric transportation related domain, $375.00

PERFORMANCE OF HOUSEHOLD ELECTRICAL APPLIANCES (TC 59)

IEC 60704-2-16 Ed. 1.0 b:2019, Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-16: Particular requirements for washer-dryers, $164.00

PRINTED ELECTRONICS (TC 119)

IEC 62899-204 Ed. 1.0 en:2019, Printed electronics - Part 204: Materials - Insulator ink - Measurement methods of properties of insulator inks and printed insulating layers, $164.00

SAFETY OF HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES (TC 61)

IEC 60335-2-9 Ed. 7.0 b:2019, Household and similar electrical appliances - Safety - Part 2-9: Particular requirements for grills, toasters and similar portable cooking appliances, $281.00

IEC 60335-2-27 Ed. 6.0 b:2019, Household and similar electrical appliances - Safety - Part 2-27: Particular requirements for appliances for skin exposure to optical radiation, $235.00

IEC 60335-2-96 Ed. 2.0 b:2019, Household and similar electrical appliances - Safety - Part 2-96: Particular requirements for flexible sheet heating elements for room heating, $281.00

S+ IEC 60335-2-9 Ed. 7.0 en:2019 (Redline version), Household and similar electrical appliances - Safety - Part 2-9: Particular requirements for grills, toasters and similar portable cooking appliances, $366.00

S+ IEC 60335-2-27 Ed. 6.0 en:2019 (Redline version), Household and similar electrical appliances - Safety - Part 2-27: Particular requirements for appliances for skin exposure to optical radiation, $305.00

S+ IEC 60335-2-96 Ed. 2.0 en:2019 (Redline version), Household and similar electrical appliances - Safety - Part 2-96: Particular requirements for flexible sheet heating elements for room heating, $366.00

SEMICONDUCTOR DEVICES (TC 47)

IEC 60747-18-1 Ed. 1.0 en:2019, Semiconductor devices - Part 18-1: Semiconductor bio sensors - Test method and data analysis for calibration of lens-free CMOS photonic array sensors, $199.00

WIND TURBINE GENERATOR SYSTEMS (TC 88)

IEC 61400-21-1 Ed. 1.0 b:2019, Wind energy generation systems - Part 21-1: Measurement and assessment of electrical characteristics - Wind turbines, $387.00

IEC Technical Reports

ELECTRICAL EQUIPMENT IN MEDICAL PRACTICE (TC 62)

IEC/TR 62926 Ed. 1.0 en:2019, Medical electrical system - Guidelines for safe integration and operation of adaptive external-beam radiotherapy systems for real-time adaptive radiotherapy, $281.00

INDUSTRIAL-PROCESS MEASUREMENT AND CONTROL (TC 65)

IEC/TR 63069 Ed. 1.0 en:2019, Industrial-process measurement, control and automation - Framework for functional safety and security, $199.00

Registration of Organization Names in the United States

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

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

PUBLIC REVIEW

BDAP

Public Review: March 29, 2019 to June 29, 2019

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

A challenge is initiated when a letter from an interested entity is received by the Registration Coordinator. The letter shall identify the alphanumeric organization name being challenged and state the rationale supporting the challenge. A challenge fee shall accompany the letter. After receipt of the challenge, the alphanumeric organization name shall be marked as challenged in the Public Review list. The Registration Coordinator shall take no further action to register the challenged name until the challenge is resolved among the disputing parties.

Proposed Foreign Government Regulations

Call for Comment

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

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

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

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

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

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

Information Concerning

American National Standards

Call for Members

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

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

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

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

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

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

Society of Cable Telecommunications

ANSI Accredited Standards Developer

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

SCTE is currently seeking to broaden the membership base of its 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.

Final Actions

Withdrawal of ANS Status

AWEA SWT-1-2016

The ANSI Board of Standards Review (BSR) has withdrawn the approval as an American National Standard of AWEA SWT-1-2016, Small Wind Turbine Standard, effective May 17, 2019.

Questions may be directed to Michele Myers Mihelic (mmihelic@awea.org).

ANSI Accredited Standards Developers

Approval of Reaccreditation

ASC B77 – Aerial Passenger Ropeways

The reaccreditation of Accredited Standards Committee B77, Aerial Passenger Ropeways, has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on ASC B77-sponsored American National Standards, effective May 21, 2019. For additional information, please contact the Secretariat of ASC B77: Mr. Michael Lane, Director of Technical Services, National Ski Areas Association, 133 S. Van Gordon Street, Suite 300, Lakewood, CO 80228; phone: 720.963.4210; e-mail: mlane@nsaa.org.

American Concrete Institute (ACI)

ANSI's Executive Standards Council has approved the reaccreditation of the American Concrete Institute (ACI), an ANSI Member and Accredited Standards Developer, under its recently revised operating procedures for documenting consensus on ACI-sponsored American National Standards (submitted in response to the required 5-year review of the accreditations of those ASDs that have not submitted an American National Standards in the preceding 5 years), effective May 17, 2019. For additional information, please contact: Ms. Shannon Banchero, Manager, Technical Documents, American Concrete Institute, 38800 Country Club Drive, Farmington Hills, MI 48331; phone: (248) 848-3728; e-mail: shannon.banchero@concrete.org.

International Organization for Standardization (ISO)

Call for U.S. TAG Administrator

ISO/TC 298 – Rare Earth

ANSI has been informed that CSA Group, the ANSI-accredited U.S. TAG Administrator for ISO/TC 298 wishes to relinquish their role as U.S. TAG Administrator.

ISO/TC 298 operates under the following scope:

> Standardization in the field of rare earth mining, concentration, extraction, separation and conversion to useful rare earth compounds/materials (including oxides, salts, metals, master alloys, etc.) which are key inputs to manufacturing and further production process in a safe and environmentally sustainable manner.

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

ISO New Work Item Proposal

Design and Safety Requirements for Sex Toys

Comment Deadline: June 28, 2019

SIS, the ISO member body for Sweden, has submitted to ISO a new work item proposal for the development of an ISO standard on design and safety requirements for sex toys, with the following scope statement:

This document specifies safety and user information requirements relating to the materials and design for products intended for sexual use.

This document covers only products that are intended to come in direct contact with genitals and/or the anus.

This document is not primarily intended for products classified as medical devices or assistive products.

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, June 28.

ISO Proposal for a New Field of ISO Technical Activity

Audit Data Services

Comment Deadline: June 28, 2019

SAC, the ISO member body for China, has submitted to ISO a proposal for a new field of ISO technical activity on audit data services, with the following scope statement:

Standardization in the field of audit data services covers the content specification as well as the collection, pre-processing, management and analysis techniques for the identification, communication, receipt, preparation and use of audit data.

Note:

1. Audit: an official examination of an entity's financial and financial related records in order to check that they are correct. (Source: Longman Dictionary of Contemporary English 4th Edition, modified company has been replaced by entity to cover government auditees and financial related records has been added.)

2. The audit data includes data of different areas including public sector budget, financial report, nonfinancial enterprises, tax and social insurance, for the purpose of government audit, external independent audit, internal audit and other regulators.

Excluded:

1. Information system security audit covered by ISO/IEC/JTC 1.

2. Security evaluation criteria and methodology, techniques and guidelines to address both security and privacy aspects covered by ISO/IEC/JTC 1/SC 27.

3. Meta-data standards, E-business standards, database language standards covered by ISO/IEC/JTC 1/SC 32.

4. Meta-standards of electronic data interchange covered by ISO/TC 154.

5. Quality management and quality assurance covered by ISO/TC 176.

Please note that this proposal is to convert ISO Project Committee 295 on audit data services into a technical committee with an extended work program.

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, June 28.

Human Phenome

Comment Deadline: May 31, 2019

SAC, the ISO member body for China, has submitted to ISO a proposal for a new field of ISO technical activity on Human Phenome, with the following scope statement:

Standardization in the field of human phenome.

Note. Human phenome is defined at the complete set of all human characteristics. It is determined by the interaction between genes and environment. It includes many characteristics ranging from macro- to micro-scales, from external appearance to internal functions, from biochemical characteristics to psychological behavior, etc.

Excluded: the fields covered by ISO/TC276 (Biotechnology), ISO/TC215 (Health Information), ISO/IEC JTC1/SC37 (Biometrics), ISO/IEC JTC 1/SC 29 (Coding of audio, picture, multimedia and hypermedia information) and ISO/TC249 (Traditional Chinese Medicine).

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, May 31, 2019.

Laboratory design

Comment Deadline: June 28, 2019

SAC, the ISO member body for China, has submitted to ISO a proposal for a new field of ISO technical activity on Laboratory design, with the following scope statement:

Standardization in the field of laboratory design including site selection and design planning, the functional division of experimental areas, the determination of scientific and technological processes, layouts and design of furniture, and the scientific design of the facility taking into account environmental conditions and impact.

Excluded:

- IEC/TC 64 (Electrical installations and protection against electric shock);

- IEC/TC 81 (Lightning protection);

- IEC/TC 66 (Safety of measuring, control and laboratory equipment);

- IEC/TC 85 (Measuring equipment for electrical and electromagnetic quantities).

Sustainable processes for wood

Comment Deadline: June 28, 2019

ABNT, the ISO member body for Brazil, has submitted to ISO a proposal for a new field of ISO technical activity on Sustainable processes for wood, with the following scope statement:

Standardization in the field of the wood and wood-based industries, including but not limited to sustainability and renewability aspects, chain of custody, timber tracking and timber measurement, across the entire supply chain from biomass production to the finished wood and wood-based products.

Excluded: those applications covered by ISO/TC 6 "Paper, board and pulps"; ISO/TC 89 "Wood-based panels"; ISO/TC 165 "Timber structures"; ISO/TC 218 "Timber"; and ISO/TC 207 "Environmental management".

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, June 28.

New Secretariats

ISO/TC 301– Energy management and energy savings

Comment Deadline: May 31, 2019

Georgia Tech Energy & Sustainability Services (GTESS) has requested ANSI to delegate the responsibilities of the administration of the ISO/TC 301 secretariat to GTESS. The secretariat was previously held by ANSI and the secretariat transfer is supported by the U.S. TAG.

ISO/TC 301 operates under the following scope:

> Standardization in the field of energy management and energy savings.

Organizations wishing to comment on the delegation of the responsibilities should contact ANSI's ISO Team (isot@ansi.org).

International Electrotechnical Commission (IEC)

ACOS (Advisory Committee on Safety)

US Representative Needed

ACOS comprises experts nominated by their NCs (National Committees) knowledgeable in safety matters but having no officer affiliation with any IEC TC or SC (Subcommittees) dealing with safety matters.

Individuals who are interested in becoming a new US Representative on ACOS are invited to contact Tony Zertuche at TZertuche@ansi.org as soon as possible.

Please see the scope for ACOS below.

> **Scope:**
>
> To guide and coordinate IEC work on safety matters in order to ensure consistency in IEC safety standards. ACOS is responsible for the assignment of Horizontal and Group Safety Functions to TCs, subject to confirmation by the SMB, which are thereby mandated to prepare Basic Safety/Group Safety Publications. The aim of these publications is to provide a coherent set of safety standards thus ensuring consistency of IEC standards in areas common to a number of TCs.

BSR/ASHRAE Addendum *a* to
ANSI/ASHRAE Standard 185.1-2015

Public Review Draft

Proposed Addendum *a* to Standard 185.1-2015, Method of Testing UV-C Lights for Use in Air-Handling Units or Air Ducts to Inactivate Airborne Microorganisms

First Public Review (May 2019)
(Draft shows Proposed Changes to Current Standard)

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

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

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

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

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

FOREWORD: The liquid that is used in generating a bioaerosol will provide different levels of protection for the microorganism. For the tests to be repeatable, the generation of the bioaerosol must result in equal levels of protection. Thus, we have added the requirement for the liquid to be the same.

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

Change Section 6.1.2 as follows:

6.1.2 Bioaerosol Preparation and Generation. Preparation of the test organism suspension for the aerosolization requires that the test organism be grown in the laboratory and the suspension prepared for aerosol generation in the test duct. The microbial challenge suspensions are prepared by inoculating the test organism onto solid or into liquid media, incubating the culture until mature, ~~wiping~~harvesting organisms from the surface of the pure culture (if solid media), and ~~eluting~~suspending them into sterile fluid to a known concentration to serve as a stock solution. The organism preparation is then diluted into the nebulizing fluid for Collison preparation. The nebulizing liquid shall be sterile DI water. The nebulizing fluid is quantified on agar plates to enumerate the number of test organisms in the suspension. The number of culturable organisms shall be at least 10^6 CFU per mL.

BSR/ASHRAE Addendum *b* to
ANSI/ASHRAE Standard 185.1-2015

Public Review Draft

Proposed Addendum *b* to Standard 185.1-2015, Method of Testing UV-C Lights for Use in Air-Handling Units or Air Ducts to Inactivate Airborne Microorganisms

First Public Review (May 2019)
(Draft shows Proposed Changes to Current Standard)

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

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FOREWORD

The use of the Poisson distribution is not appropriate for this type of biological data. The degree of correction is based on the total counts, so that a test with thousands of counts receives a tighter confidence interval than one with hundreds. This could result in very different reports efficiencies between tests. Also, since counting plates for microorganisms requires that the spots be separate, there is an upper limit on the raw counts per plate. To get high counts, there must be a great number of plates run. In addition, the test lab must estimate the actual concentrations to determine how long to sample or how much to plate. If the level is too high, the plates are overgrown and not usable; if too low, the counts will be low. Given that the efficiency of the devices isn't known ahead, this means that there must be repeated tests if one must get high counts. To achieve tight confidence intervals with these calculations would require great expense. Also, the reported efficiency for a device depends on the number of counts, so that the same device will get a different reported efficiency if 5 plates are run instead of 3, or similar.

In addition, this method of calculation does not address the issue of variability at the test lab since the total counts are used. It seems preferable to report the counts, the average, and the standard deviation to give an average efficiency and a measure of the sample count variability.

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

6.1.2 Bioaerosol Preparation and Generation

Preparation of the test organism suspension for the aerosolization requires that the test organism be grown in the laboratory and the suspension prepared for aerosol generation in the test duct. The microbial challenge suspensions are prepared by inoculating the test organism onto solid or into liquid media, incubating the culture until mature, wiping organisms from the surface of the pure culture (if solid media), and eluting them into sterile fluid to a known concentration to serve as a stock solution. The organism preparation is then diluted into the nebulizing fluid. The nebulizing fluid is quantified on agar plates to enumerate the number of test organisms in the suspension. The number of culturable organisms shall be at least 10^6 CFU per mL.

The bioaerosol generation system shall provide a stable test bioaerosol of sufficient concentration to <u>allow measurement to show 99% inactivation.</u> ~~provide the necessary upstream concentration to provide meaningful 95% confidence limits for the single-pass efficiency per Section 7.2.~~ The generation system includes a 6-jet Collison (BGI, Waltham, MA) nebulizer that is based on air atomizing spray nozzles in which a suspension of microorganisms is nebulized with compressed air and then dried. The 6-jet Collison nebulizer (BGI, Waltham, MA) generates droplets with an approximate volume mean diameter of 2 µm. The particle diameter after the water evaporates depends on the solids content of the suspension. Particle size is determined by the size of the suspended particles. The concentration in the Collison should be such that only singlets are generated. The bioaerosol generator shall be designed to ensure that the microorganisms are dry prior to being introduced into the test duct. After drying, the bioaerosol may be neutralized using a charge neutralizer. If a charge neutralizer is not used, it must be included in the report. (Kujumdzic et. al. 2007)

7. DETERMINATION OF PERFORMANCE

The primary measure of performance within this test method is the Single-Pass Bioaerosol Inactivation Efficiency. This efficiency shall be characterized in terms of the percentage of *Aspergillus sydowii* (ATCC®36542) and *Mycobacterium Parafortuitum* (ATCC®19686) that could not be cultured after *UVC* radiation exposure (Miller-Leiden et al. 1996; Hernandez et al. 1999; Xu et al. 2005; Van Osdell and Foarde, 2002). The single-pass bioaerosol inactivation efficiency, η_{UVGI}, shall be quantified by comparing the bioaerosol concentration upstream and downstream of the *UVC device* using the following general equation:

$$\eta_{UVGI}\ (\%) = (1 - \frac{C_{Downstream}}{C_{Upstream}}) \times 100\% \qquad \textbf{Equation 1}$$

Where $C_{Downstream}$ = the average culturable bioaerosol concentration measured in the test duct downstream of the UV-C device (CFU/m^3);

$C_{Upstream}$ = the average culturable bioaerosol concentration measured in the test duct upstream of the UV-C device (CFU/m^3).

This general equation is corrected for ~~statistical sampling as well as~~ system biases according to Section~~s~~ 7.1 ~~and 7.2. Both corrections shall be applied to each calculation~~for final reporting.

~~**7.1 Statistical Correction for Bioaerosol Data**~~

~~When calculating the Single-Pass Bioaerosol Inactivation Efficiency or the No-Light Transmission Rate on the basis of the numbers of culturable organisms, the least favorable confidence limit value of the confidence interval for each count involved shall be used as the basis for the calculation (see Informative Annex H, Table 2 and Equation 8, for upper and lower control limits for count data). This provides a conservative estimate of the performance of the tested device.~~

~~Thus, η_{UVGI}, the Single-Pass Bioaerosol Inactivation Efficiency, shall use the 95% upper control limit of the downstream counts to calculate the concentration downstream (CFU/m3) and shall use the 95% lower control limit of the upstream counts to calculate the concentration upstream (CFU/m3). For each collection point the number of CFU shall be summed and the appropriate control limit shall be determined before averaging or concentration calculations. Equation 1 becomes:~~

~~$$Single-PassEfficiency(\%) = (1 - \frac{C_{D,95\%UCL}}{C_{U,95\%LCL}}) \times 100\%$$~~

~~**Equation 2**~~

~~Where: CD, 95% UCL = Downstream culturable bioaerosol concentration using 95% upper confidence limit~~

~~CU, 95% LCL = Upstream culturable bioaerosol concentration using 95% lower confidence limit~~

7.2 ~~1~~ Correction for No-Light Transmission Rate

There is also a potential bias in the bioaerosol measurements if the test duct and rig cause a change in the number of culturable organisms independent of the presence of a *UVC device*. For this reason, a No-Light Transmission Rate (*UVC* light is not turned on in the test duct) is measured and applied as an additional correction to the Single-Pass Bioaerosol Inactivation Efficiency. The No-Light Transmission Rate is calculated by measuring the numbers of culturable organisms upstream and downstream without the *UVC* light turned on. The same sampling methods are used as in the Single-Pass Bioaerosol Inactivation Efficiency test, but the calculation is done using the opposite control limit values to give the most conservative estimate. The equation is:

$$TR_{No-Light} = \frac{C_{Down,No-Light}}{C_{Up,No-Light}}$$

Equation ~~3~~2

Where: $TR_{No\text{-}Light}$ = No-Light Transmission Rate

$C_{Down,No\text{-}Light}$~~N, 95% LCL~~ = Downstream, No-light, culturable bioaerosol concentration ~~using 95% lower confidence limit~~

$C_{Up,No\text{-}Light}$~~N, 95% UCL~~ = Upstream, No-light, culturable bioaerosol concentration ~~using 95% upper confidence limit~~

To remove this system bias, the Single-Pass Bioaerosol Inactivation Efficiency shall be corrected by the No-Light Transmission Rate. Thus, the final corrected form of Equation ~~2~~ 1 becomes:

$$\eta_{UVGI,Corr}(\%) = \left(1 - \frac{C_{Downstream}}{C_{Upstream} \times TR_{No\ -\ Light}}\right) \times 100\% \qquad \textbf{Equation} \qquad \textbf{4}\underline{\textbf{3}}$$

Single-pass efficiency shall be estimated for each of the three replicate experiments. Variability of the efficiency due to plating variability shall be estimated by propagating the standard deviation of concentration from the three replicate plates. The average Single-Pass Bioaerosol Inactivation Efficiency shall be calculated by averaging the efficiency from the three repeat experiments and the experimental variability shall be estimated by propagating the standard deviation due to these three experimental runs.

INFORMATIVE ANNEX H **[Delete entire Annex]**

Tracking Number 4i28r2
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Revision to NSF/ANSI 4 – 2016
Issue 28, Revision 2 (May 2019)

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

NSF/ANSI International Standard
for Food Equipment —

Commercial Cooking, Rethermalization, and Powered Hot Food Holding and Transport Equipment

5 Design and construction

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5.40 Cappuccino machines with milk ~~reservoirs~~ systems

5.40.1 ~~Except as noted in 5.40.2, m~~Milk reservoirs and all milk-conveying components on cappuccino machines shall conform to the temperature performance criteria of NSF/ANSI 18.

5.40.2 ~~The requirements in 5.40.1 shall not apply to t~~Tubing used to convey milk may be exempt from 5.40.1, provided that the tubing is:

- designed so that it is completely drained, or flushed ~~of milk between uses~~ at intervals not exceeding 4 h;
- transparent enough to verify that it is void of milk and has an exposed portion visible to the operator; and
- no greater than 18 in (46 cm) in length when tubing is only gravity self-drained without being flushed.

5.40.3 Milk reservoirs and all milk conveying components, including tubing, shall conform to 5.1.3.

***Rationale**: This proposed language clarifies the requirements for cappuccino machines that drain and flush/rinse milk conveyance tubing at controlled time intervals.*

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

NSF International Standard/
American National Standard –

Food Equipment Materials

•
•
•

5 General materials requirements

5.1 Materials shall be smooth and easily cleanable.

~~If a material is textured so that it may hinder the removal of soil during cleaning, the material shall meet the surface cleanability requirements in 7.~~

•
•
•

~~7 Surface cleanability~~

~~7.1 Test method~~

~~When required by this Standard, the surface cleanability of a textured material shall be determined by quantification of the amount of applied soil that remains on a material sample after cleaning. Four material test plaques (5.0 x 5.0 in [130 x 130 mm]) shall be washed with a non-ionic, low foaming, powdered mechanical washer detergent and water at 162 ± 2 °F (72 ± 1 °C) and shall be air dried. A standardized synthetic lard comprised of glycerol trioleate (62.5%), glycerol tristearate (37.5%), and trace amounts of 14C-labeled glycerol trioleate (0.845 µCi/g of synthetic lard) and 14C-labeled stearic acid (0.514 µCi/g of synthetic lard), shall be applied to the test plaques. The lard shall be heated to a liquid state, and 200 µL shall be applied to each of four equal quadrants on each test plaque. The lard shall be spread in a uniform layer onto the quadrants while under an infrared heat source to maintain the lard in a liquid state. The mass of soil on each quadrant shall be quantified using a beta radiation counting system; each quadrant shall have 20 ± 5 mg applied to its surface. The soiled test plaques shall be washed in a single-temperature, total-dump dishwashing machine having the following characteristics:~~

- ~~no overhead spray;~~
- ~~no detergent added;~~
- ~~wash and rinse water temperature: 162 ± 2 °F (72 ± 1 °C);~~
- ~~wash cycle time: 120 ± 2 s;~~
- ~~total wash cycle volume: 2.3 ± 0.2 gal (8.7 ± 0.8 L);~~
- ~~dwell cycle time: 30 ± 2 s;~~
- ~~rinse cycle time: 30 ± 2 s; and~~
- ~~total rinse cycle volume: 2.3 ± 0.2 gal (8.7 ± 0.8 L).~~

~~After washing, the residual soil on each of the sixteen quadrants shall be quantified using a beta radiation counting system. The average residual soil value shall be compared to the control value for the zone in which the material is located.~~

~~**7.2 Acceptance criteria**~~

~~The average residual soil on the quadrants shall not exceed the predetermined control value for the zone in which the material is located.~~

~~**Zone**~~	~~**Control value**~~	~~**Examples**~~
~~food zone~~	~~30 µg~~	~~stainless steel – No. 3 (100 grit) finish~~
~~heated food zone~~	~~1750 µg~~	~~cast iron~~
~~ice bin materials~~	~~650 µg~~	~~rotationally molded polyethylene~~
~~splash and nonfood zone~~	~~220 µg~~	~~hot rolled steel~~

Rationale*: The synthetic lard used to conduct this surface cleanability test contains trace elements of radioactive materials and requires the use of highly specific equipment to measure radiation levels. At present, neither the NSF lab or any other ANSI-accredited test lab has the ability to conduct the surface cleanability test in section 7 of the standard. Second, no NSF food equipment standard directly requires the use of a surface cleanability. The terms "smooth" and "easily cleanable" defined in NSF/ANSI 170 are used to evaluate material surfaces.*

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

1. Addition of Requirements for Markings and Instructions as New Paragraph 193.1.1.1

193.1.1.1 Markings and instructions that are alternatively permitted on a stuffer sheet, information sheet etc. may be provided via a manufacturer's web site. The web address shall be marked on the device, packaging and/or information sheet. The web address may be in the form of a Uniform Resource Locator (URL - http://www.___.com/___/), or as a Quick Response Code (QRcode). The web address link shall take the user to an internet page containing the required information or a direct link to the required information. The file shall be a file format that is commonly used and may be downloadable. This does not apply to markings that are specified to be located on the device or the packaging/container only (not a stuffer sheet) but this information may be repeated on the web site.

BSR/UL 498A, Standard for Safety for Current Taps and Adapters

1. Clarification of adapters of unequal amperage in paragraphs 6.2 and 15.4.4

PROPOSAL

6 Ratings

Exception No. 1: Devices where the male configuration amperage rating is greater than the female configuration amperage rating or devices having a lower current rating than that shown in the configuration meet the intent of the requirement when provided with fuse protection integral to the adapter. See Exception No. 3 of 15.4.4.

15 Assembly

15.4 Mating and interchangeability

Exception No. 3: Devices where the male configuration amperage rating is greater than the female configuration amperage rating and that are provided with fuse protection integral to the adapter as described in Exception No. 1 to 6.2, are not prohibited from mating with corresponding devices having a standard current rating and the identical voltage rating.

BSR/UL 810, Standard for Safety for Capacitors

1. Deletion of redundant marking in 46.10.

~~46.10 With reference to the Exception to 17.3.3, a unit may be provided with a marking located adjacent to the part being guarded, to instruct the user that the cover or guard should be replaced before resuming operation of the unit.~~

2. Clarification of requirements for accessible surface temperature limits in Table 38.1, 46.11 and 47.2.

Table 38.1
Maximum temperature rises
(only proposed additions to table 38.1 being shown)

Materials and components		°C	(°F)
16. Temperature limits on accessible surfaces[i]		Maximum limits	
	Metal	70	158
	Nonmetallic	80	176
[i] See 46.11 and 47.2 for when marking and installation instructions are required.			

MARKINGS

46.11 A unit that exceeds the maximum temperature limits specified in ~~the third item in Table 39.1~~ Table 38.1 (item 16) ~~- see the Exception to 39.1 -~~ shall be legibly marked where readily visible after installation with the signal word "CAUTION" and the following or the equivalent: "Hot surfaces - To reduce the risk of burns - Do not touch."

47 Installation Instructions

47.2 The manufacturer's instructions provided with a unit that exceeds the maximum temperature limits in ~~the third item of Table 39.1~~ Table 38.1 (item 16) ~~- see Exception to 39.1 -~~ shall specify that the unit is to be installed so that it is not likely to be contacted.

3. Removal of reverse polarity references in SA4.1.2, SA4.3.4 and SA4.4.1.

SUPPLEMENT SA - ELECTROLYTIC CAPACITORS

SA4.1 Enclosure

SA4.1.2 The enclosure of an electrolytic capacitor shall be provided with a venting mechanism complying with the ~~reverse polarity and~~ overpressure test as outlined in ~~SA5.5 and~~ SA5.6.

SA4.3 Insulating material

SA4.3.4 When a separator is employed in an electrolytic capacitor, it shall be a material resistant to deterioration as a result of contact with the electrolyte such as rubber, etc., and shall not deteriorate to the point that a hazardous condition results when the capacitor is subjected to fault conditions, such as ~~reverse polarity and~~ overvoltage~~,~~ conditions per ~~SA5.5 and~~ SA5.6 ~~respectively~~.

SA4.4 Electrolyte

SA4.4.1 The electrolyte materials shall not result in hazardous conditions when vented under fault conditions. Compliance shall be determined by ~~the reverse polarity (if polarized type capacitor) and~~ the pressure relief test of ~~SA5.5 and~~ SA5.6 ~~respectively~~.

BSR/UL 1703, Standard for Safety for Flat-Plate Photovoltaic Modules and Panels

1. Revisions to the Reverse Current Overload Test in Section 28.

28.1 ~~There shall not be flaming or charring of the cheesecloth or tissue paper in contact with a module or panel,~~ The maximum external module surface temperature during the test as located by infrared camera and measured by thermocouples shall not exceed 150°C (302°F), in accordance with Table 19.1, and there shall be no ~~or~~ flaming of the module or panel itself for 15 s or more, when a reverse current equal to 135 percent of the module or panel series overcurrent protective device rating current (See 47.10) is caused to flow through the module or panel in accordance with 28.1A.

Note: The Technical Specification for Photovoltaic (PV) systems - Requirements for testing, documentation and maintenance - Part 3: Photovoltaic modules and plants - Outdoor infrared thermography, IEC TS 62446-3, provides guidance on the use of IR-cameras.

28.1A A reverse current equal to 135 percent of the module or panel series overcurrent protective device rating current is be applied to the module or panel. After 1 h, the hottest point(s) is to be determined, e.g. by using an infrared camera. The current is to then be switched off, the module or panel cooled down to room temperature and then a thermocouple to this point(s) is to be attached. The module or panel is to be reheated by reapplying a reverse current equal to 135 percent of the module or panel series overcurrent protective device rating current for 2 h (See 28.5). The temperature(s) measured by the thermocouple(s) are to be recorded at the end of the test.

28.2 To determine whether a module or panel complies with the requirements in 28.1, a module or panel shall be mounted in accordance with the manufacturer's mounting instructions. If the instructions offer more than one option, the option providing the worst-case thermal conditions shall be used. If no indications have been provided for spacing, the test PV module shall be mounted horizontally and directly flat on a 3/4 in (19.1 mm) thick pine board with a minimum of 3 in (76.2 mm) air spacing between the module frontsheet surface and the underlying plane. If the module manufacturer allows mounting flush to the supporting surface within the product mounting guidelines, this spacing may be eliminated and the module placed in contact on a support that has sufficient mechanical strength to avoid warping under temperature influence. The thermal conductivity of the support shall be not higher than 0.5 W/(m^2•K) ~~is to be placed on a single layer of white tissue paper over a 3/4 in (19.1 mm) thick pine board and covered with a single layer of cheesecloth. The cheesecloth is to be untreated cotton cloth running 14 - 15 square yards/lb (26 - 28 m^2/kg) and having what is known to the trade as a count of 32 by 28.~~

28.3 For the test required by 28.1, any blocking diode provided as a part of the module or panel is to be defeated (short-circuited).

28.4 The test required by 28.1 is to be conducted in an area free of drafts, and the irradiance on the module or panel is to be less than 5 mW/cm^2.

28.5 The test required by 28.1 is to be continued for 2 h or until ultimate results are known, whichever occurs first.