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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

Comment Deadline: April 26, 2020

ASPE (American Society of Plumbing Engineers)

Revision

BSR/ARCSA/ASPE 63-202x, Rainwater Catchment Systems (revision of ANSI/ARCSA/ASPE 63-2013)

The scope of this standard covers requirements for the design and installation of rainwater catchment systems that utilize the principle of collecting and using precipitation from a rooftop and other hard, impervious building surfaces. This standard does not apply to the collection of rainwater from vehicular parking or other similar surfaces.

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

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

BICSI (Building Industry Consulting Service International)

Revision

BSR/BICSI 007-202x, Information Communication Technology Design and Implementation Practices for Intelligent Buildings and Premises (revision of ANSI/BICSI 007-2017)

This standard covers the design and implementation of the information communication technology systems required to support an intelligent building/premise integrated design. Systems covered, include, but are not limited to: building automation/management, utility utilization, lighting, signage and wayfinding, sound and acoustical services, vertical transportation, location, and asset tracking.

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

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

NSF (NSF International)

Revision

BSR/NSF 40-202x (i35r3), Residential Wastewater Treatment Systems (revision of ANSI/NSF 40-2018)

This wastewater standard contains minimum requirements for residential wastewater treatment systems having rated treatment capacities between 1514 L/day (400 gal/day) and 5678 L/day (1500 gal/day). Management methods for the treated effluent discharged from residential wastewater treatment systems are not addressed by this Standard.

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

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

BSR/NSF 42-202x (i102r1), Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2019)

It is the purpose of this Standard to establish minimum requirements for materials, design and construction, and performance of drinking water treatment systems that are designed to reduce specific aesthetic-related (non-health effects) contaminants in public or private water supplies. This Standard also specifies the minimum product literature and labeling information that a manufacturer shall supply to authorized representatives and system owners as well as the minimum service-related obligations that the manufacturer shall extend to system owners.

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

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

BSR/NSF 245-202x (i17r3), Residential Wastewater Treatment Systems - Nitrogen Reduction (revision of ANSI/NSF 245-2018)

This wastewater standard contains minimum requirements for residential wastewater treatment systems having rated treatment capacities of 1514 L/d (400 gal/d) to 5678 L/d (1500 gal/d) that are designed to provide reduction of nitrogen in residential wastewater. Management methods for the treated effluent discharged from these systems are not addressed by this Standard. A system, in the same configuration, must either be demonstrated to have met the Class I requirements of NSF/ANSI 40 or must meet the Class I requirements of NSF/ANSI 40 during concurrent testing for nutrient removal.

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

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

BSR/NSF 350-202x (i48r3), Onsite Residential and Commercial Water Reuse Treatment Systems (revision of ANSI/NSF 350-2019)

This Standard contains minimum requirements for onsite residential and commercial graywater treatment systems. Systems may include graywater reuse treatment systems having a rated treatment capacity up to 5,678 L/d (1,500 gal/d) or commercial graywater reuse treatment systems. This applies to onsite commercial reuse treatment systems that treat combined commercial facility graywater with capacities exceeding 5,678 L/d (1,500 gal/d) and commercial facility laundry water only of any capacity. Management methods and end uses appropriate for the treated effluent discharged from graywater residential and commercial treatment systems meeting this Standard are limited to subsurface discharge to the environment only.

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

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

BSR/NSF 455-2-202x (i5r1), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455-2-2019)

This Standard is intended to define a standardized approach for auditing to determine the level of compliance of dietary supplement products to 21 CFR 111 Current Good Manufacturing Practices (GMPs) in Manufacturing, Packaging, Labeling, or Holding Operations for Dietary Supplements as well as incorporating additional retailer requirements. It refers to the requirements for GMP applicable to all dietary supplements. It will assist in the determination of adequate facilities and controls for dietary supplement manufacture with sufficient quality to ensure suitability for intended use.

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

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

BSR/NSF/CAN 50-202x (i161r1), Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and Other Recreational Water Facilities (revision of ANSI/NSF/CAN 50-2019)

This Standard covers materials, chemicals, components, products, equipment, and systems, related to public and residential recreational water facility operation.

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

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

BSR/NSF/CAN 61-202x (i154r1), Drinking Water System Components - Health Effects (revision of ANSI/NSF/CAN 61-2019)

This Standard establishes minimum health effects requirements for the chemical contaminants and impurities that are indirectly imparted to drinking water from products, components, and materials used in drinking water systems. This Standard does not establish performance, taste and odor, or microbial growth support requirements for drinking water system products, components, or materials.

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

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

UL (Underwriters Laboratories, Inc.)

Revision

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

(1) Clarification of requirements in Sections 8 and 11.

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

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

BSR/UL 758-202X, Standard for Safety for Appliance Wiring Material (Proposal dated 3/27/20) (revision of ANSI/UL 758-2019a)

(1) 20k-V Rated AWM, Revised Tables 29.1 and 49.1; (2) Correction to the cable diameter limit for which die cut samples are specified, Revised 14.2; (3) Proposed change to shielded FFC products; Shielded Withstand Voltage Test, addition of new exception.

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

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

BSR/UL 1332-202x, Standard for Safety for Organic Coatings for Steel Enclosures for Outdoor Use Electrical Equipment (revision of ANSI/UL 1332-2016)

(1) Revision of requirements for the Test for Percent Insoluble Solids in Appendix A.

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

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

BSR/UL 1424-202x, Standard for Cables for Power-Limited Fire-Alarm Circuits (revision of ANSI/UL 1424-2017)

(1) Topic: Addition of ST-1.

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

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

BSR/UL 1479-202x, Standard for Fire Tests of Penetration Firestops (revision of ANSI/UL 1479-2015)

(1) Modify W rating criteria for pressure head.

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

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

Comment Deadline: May 11, 2020

AAFS (American Academy of Forensic Sciences)

New Standard

BSR/ASB Std 038-202x, Standards for Internal Validation of Forensic DNA Testing Methods (new standard)

This document details the general requirements for performing an internal validation of all forensic DNA analysis methods within a forensic DNA laboratory.

Single copy price: Free

Obtain an electronic copy from: This is a public comment period for a recirculation. Updated document, redline version, and comments can be viewed on the AAFS Standards Board website at: <http://www.asbstandardsboard.org/notice-of-standard-development-and-coordination/>.

Order from: Document will be provided electronically on AAFS Standards Board website (www.asbstandardsboard.org) free of charge.

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

BSR/ASB Std 062-202x, Standard for Topography Comparison Software for Firearm and Toolmark Analysis (new standard)

This document specifies the minimum requirements for computer software intended to compare 2D and/or 3D digital representations of toolmarks. It covers necessary conditions for consistent and interpretable comparisons.

Single copy price: Free

Obtain an electronic copy from: This is a public comment period for a recirculation. Updated document, redline version, and comments can be viewed on the AAFS Standards Board website at: <http://www.asbstandardsboard.org/notice-of-standard-development-and-coordination/>.

Order from: Document will be provided electronically on AAFS Standards Board website <http://www.asbstandardsboard.org/> free of charge.

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

BSR/ASB Std 063-202x, Implementation of 3D Technologies in Forensic Firearm and Toolmark Comparison Laboratories. (new standard)

This document provides requirements for the proper implementation of 3D technologies (software and/or hardware)/technical procedure(s) required in a forensic toolmark laboratory. This standard includes requirements for setting up the physical environment for the instrumentation as well as requirements for instrument calibration and validation.

Single copy price: Free

Obtain an electronic copy from: This is a public comment period for a recirculation. Updated document, redline version, and comments can be viewed on the AAFS Standards Board website at: <http://www.asbstandardsboard.org/notice-of-standard-development-and-coordination/>.

Order from: Document will be provided electronically on AAFS Standards Board website <http://www.asbstandardsboard.org/> free of charge.

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

AAMI (Association for the Advancement of Medical Instrumentation)

New National Adoption

BSR/AAMI/ISO 8637-1-202x, Extracorporeal systems for blood purification - Part 1: Haemodialysers, haemodiafilters, haemofilters and haemoconcentrators (identical national adoption of ISO 8637-1 and revision of ANSI/AAMI/ISO 8637-2010 (R2015), AM1-2013 (R2015))

Specifies requirements for haemodialysers, haemodiafilters, haemofilters, and haemoconcentrators for use in humans.

Single copy price: Free

Obtain an electronic copy from: cbernier@aami.org

Order from: Cliff Bernier, (703) 253-8263, cbernier@aami.org

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

BSR/AAMI/ISO 8637-2-202x, Extracorporeal systems for blood purification - Part 2: Extracorporeal blood circuit for haemodialysers, haemodiafilters and haemofilters (identical national adoption of ISO 8637-2 and revision of ANSI/AAMI/ISO 8638-2010 (R2015))

Specifies requirements for the blood circuit for devices used in extracorporeal blood filtration therapies such as, but not limited to, haemodialysis, haemodiafiltration, haemofiltration, and transducer protectors (integral and non-integral) intended for use in such circuits.

Single copy price: Free

Obtain an electronic copy from: cbernier@aami.org

Order from: Cliff Bernier, (703) 253-8263, cbernier@aami.org

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

BSR/AAMI/ISO 8637-3-202x, Extracorporeal systems for blood purification - Part 3: Plasmafilters (identical national adoption of ISO 8637-3:2018)

Specifies requirements for sterile, single-use plasma filters, intended for use on humans. Does not apply to the extracorporeal circuits that may be used for plasmapheresis vascular access devices, oxygenators, or active medical devices. Does not address the replacement fluid.

Single copy price: Free

Obtain an electronic copy from: cbernier@aami.org

Order from: Cliff Bernier, (703) 253-8263, cbernier@aami.org

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

ABYC (American Boat and Yacht Council)

Revision

BSR/ABYC A-14-202x, Gasoline and Propane Gas Detection Systems (revision of ANSI/ABYC A-14-2015)

This standard addresses the design, construction, and installation of gasoline and propane gas detection and indicating equipment on boats.

Single copy price: \$50.00

Obtain an electronic copy from: www.abycinc.org

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

BSR/ABYC A-31-202x, Battery Chargers and Inverters (revision of ANSI/ABYC A-31-2015)

This standard addresses the design, construction, and installation of permanently installed marine alternating current (AC) battery chargers, power inverters, and inverter/chargers.

Single copy price: \$50.00

Obtain an electronic copy from: www.abycinc.org

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

APTech (ASC CGATS) (Association for Print Technologies)

Reaffirmation

BSR CGATS.17-2009 (R202x), Graphic Technology - Exchange Format for Colour and Process Control Data Using XML or ASCII Text (reaffirm a national adoption ANSI CGATS.17-2009 (R2015))

Defines an exchange format for colour and process control data (and the associated metadata necessary for its proper interpretation) in electronic form using either XML- or ASCII-formatted data files.

Single copy price: \$55.00

Obtain an electronic copy from: jlinder@apttech.org

Order from: Jeff Linder, (703) 264-7220, jlinder@apttech.org

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

ASA (ASC S12) (Acoustical Society of America)

Reaffirmation

BSR ASA S12.5-2016/ISO 6926-2016 (R202x), Acoustics - Requirements for the Performance and Calibration of Reference Sound Sources Used for the Determination of Sound Power Levels (reaffirm a national adoption ANSI ASA S12.5-2016/ISO 6926-2016)

This American National Standard specifies the acoustical performance requirements for reference sound sources:

- temporal steadiness (stability) of the sound power output;
- spectral characteristics; and
- directivity.

This American National Standard also specifies procedures for providing level calibration data and uncertainty on a sound source intended for use as a reference sound source in terms of its sound power level under reference meteorological conditions as defined in Clause 4 in octave and in one-third-octave bands, and with frequency weighting A.

Single copy price: \$163.80

Obtain an electronic copy from: standards@acousticalsociety.org

Order from: Nancy Blair-DeLeon, (631) 390-0215, asastds@acousticalsociety.org

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

BSR ASA S12.51-2012/ISO 3741-2010 (R202x), Acoustics - Determination of sound power levels and sound energy levels of noise sources using sound pressure - Precision methods for reverberation test rooms (reaffirm a national adoption ANSI ASA S12.51-2012/ISO 3741-2010 (R2017))

This American National Standard specifies methods for determining the sound power level or sound energy level of a noise source from sound pressure levels measured in a reverberation test room. The sound power level (or, in the case of noise bursts or transient noise emission, the sound energy level) produced by the noise source, in frequency bands of width one-third-octave, is calculated using those measurements, including corrections to allow for any differences between the meteorological conditions at the time and place of the test and those corresponding to a reference characteristic impedance. Measurement and calculation procedures are given for both a direct method and a comparison method of determining the sound power level and the sound energy level. In general, the frequency range of interest includes the one-third-octave bands with mid-band frequencies from 100 Hz to 10 000 Hz. Guidelines for the application of the specified methods over an extended frequency range in respect to lower frequencies are given in Annex E. This American National Standard is not applicable to frequency ranges above the 10 000 Hz one-third-octave band.

Single copy price: \$249.20

Obtain an electronic copy from: standards@acousticalsociety.org

Order from: Nancy Blair-DeLeon, (631) 390-0215, asastds@acousticalsociety.org

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

BSR ASA S12.75-2012 (R202x), Methods for the Measurement of Noise Emissions from High Performance Military Jet Aircraft (reaffirmation of ANSI ASA S12.75-2012)

This standard describes noise measurement procedures to characterize the noise emissions, including directivity and non-linearity, from high-performance military (supersonic jet flow) aircraft during ground and airborne operations. The data resulting from the procedures described in clauses 6.3 through 6.7 of this standard are appropriate as input for community noise propagation models such as NOISEMAP and the Advanced Acoustic Model (AAM). NOISEMAP data have been converted and applied for use in the Federal Aviation Administration's Integrated Noise Model (INM) to supplement community noise assessments. These models will use the noise measurements collected in accordance with this standard for preparation of official documents such as community environmental impact statements and environmental assessments. Noise measurements collected in accordance with this standard will also be used to define aircraft support personnel noise exposures, aircraft noise reduction and propagation studies, and evaluation of aircraft and propulsion system compliance with noise requirements and regulations.

Single copy price: \$231.00

Obtain an electronic copy from: standards@acousticalsociety.org

Order from: Nancy Blair-DeLeon, (631) 390-0215, asastds@acousticalsociety.org

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

BSR ASA S12.9-2016/Part 7 (R202x), Quantities and Procedures for Description and Measurement of Environmental Sound, Part 7: Measurement of Low Frequency Noise and Infrasound Outdoors in the Presence of Wind and Indoors in Occupied Spaces (reaffirmation of ANSI ASA S12.9-2016/Part 7)

This standard provides requirements and methods for measuring low-frequency sound and noise levels outdoors in the presence of wind and indoors in occupied spaces. The most common application anticipated is the measurement of outdoor immission levels either near or far from sound emission sources or emission levels near a source. A repeatable method for measuring low-frequency levels and spectra indoors is given so that results can be compared from site to site or for repeated measurements at the same site under differing operating scenarios or time periods.

Single copy price: \$200.20

Obtain an electronic copy from: standards@acousticalsociety.org

Order from: Nancy Blair-DeLeon, (631) 390-0215, asastds@acousticalsociety.org

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

BSR/ASA S12.1-1983 (R202x), Guidelines for the Preparation of Standard Procedures to Determine the Noise Emission from Sources (reaffirmation of ANSI/ASA S12.1-1983 (R2016))

This standard contains guidelines for the preparation or procedures (standards, test codes, recommended practices, etc.) for determination of noise emission from sources. These guidelines are intended to provide the framework for the thought process to be followed in developing measurement procedures. They do not contain a catalog of existing procedures nor do they contain a collection of specific requirements. Rather, they outline the general questions and issues which need to be considered during the development of a measurement procedure. The following sections of this standard provide a structure for items to be considered during the development of a procedure for the determination of noise emission from sources. Each such procedure is, of course, unique and thus not all of the items may be applicable.

Single copy price: \$154.00

Obtain an electronic copy from: standards@acousticalsociety.org

Order from: Nancy Blair-DeLeon, (631) 390-0215, asastds@acousticalsociety.org

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

BSR/ASA S12.3-1985 (R202x), Statistical Methods for Determining and Verifying Stated Noise Emission Values of Machinery and Equipment (reaffirmation of ANSI/ASA S12.3-1985 (R2016))

This standard describes methods for determining and verifying labeled values for the noise emitted by machinery and equipment. Two types of labeling are considered in this standard: machines labeled with individual values and machines labeled with the same value for the batch. For economical reasons, the labeled value for all machines of a batch of machines may be checked by sampling procedures. This standard does not deal with the consequences to be drawn if the labeled value is not verified for the batch of machines or for the single machine. The principal purposes of this standard are to prescribe methods for verifying labeled noise emission values and to provide information to the labeler on the determination of noise emission values for product noise labeling purposes.

Single copy price: \$154.00

Obtain an electronic copy from: standards@acousticalsociety.org

Order from: Nancy Blair-DeLeon, (631) 390-0215, asastds@acousticalsociety.org

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

BSR/ASA S12.6-2016 (R202x), Methods for Measuring the Real-Ear Attenuation of Hearing Protectors (reaffirmation of ANSI/ASA S12.6-2016)

This standard specifies laboratory-based subjective-method for measuring, analyzing, and reporting the passive noise-reducing capacity of hearing protection devices. The methods consist of psychophysical tests conducted on groups of human subjects to determine real-ear attenuation at threshold. Two methods are provided, differing in their subject selection, training, hearing protector fitting procedures, and experimenter involvement, but corresponding in all electroacoustic and psychophysical aspects. One method, designated trained-subject fit, is intended to describe the upper limits of hearing protector performance for devices fitted by groups of carefully trained users. The second method, designated inexperienced-subject fit, is conducted with persons with little or no experience with respect to the use of hearing protection. It approximates the attenuation that has been achieved by groups of users as reported in real-world occupational studies (Berger et al., 1998).

Single copy price: \$231.00

Obtain an electronic copy from: standards@acousticalsociety.org

Order from: Nancy Blair-DeLeon, (631) 390-0215, asastds@acousticalsociety.org

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

BSR/ASA S12.7-1986 (R202x), Methods for Measurement of Impulse Noise (reaffirmation of ANSI/ASA S12.7-1986 (R2015))

This standard describes preferred methods for measurement of impulse noise and presentation of the data. This standard does not provide methods for interpreting the potential effects of impulse noise on hearing, community response, or structures. This standard applies to the measurement of impulse noises, including (1) discrete sources, such as quarry and other mining explosions, artillery fire, bombing and other similar military activities, sonic boom, pistol and rifle fire, and tripping of industrial circuit breakers; and (2) multiple-event sounds, such as pile driver, riveting, machine-gun firing, and helicopter blade slap. This standard is not intended to apply to sounds from other sources which have specific measurement standards based on the general standardized methods for measurement of quasi-steady noise, or to impulse noises from receivers or speakers that are close-coupled to the ear. Two different kinds of measurements are considered: (1) measurements of parameters, such as peak sound pressure level or duration, that directly characterize the variation of instantaneous sound pressure with time, and (2) measurements of time-integrated quantities such as (frequency-weighted) sound exposure level.

Single copy price: \$126.00

Obtain an electronic copy from: standards@acousticalsociety.org

Order from: Nancy Blair-DeLeon, (631) 390-0215, asastds@acousticalsociety.org

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

BSR/ASA S12.8-1998 (R202x, Standard Methods for Determining the Insertion Loss of Outdoor Noise Barriers (reaffirmation of ANSI/ASA S12.8-1998 (R2013))

This Standard adopts insertion loss—the difference between acoustical levels before and after a noise-barrier installation—as the basis for evaluating the acoustical effectiveness of an outdoor noise barrier. Methods are provided to determine the insertion loss of outdoor noise barriers at selected receiver locations and under conditions of interest. This Standard covers insertion loss determination, by measurement or by the combination of measurement and prediction, for outdoor noise barriers of all types. Sound sources at a site may be those that are naturally present, controlled natural sound sources, or controlled artificial sound sources. Preferred acoustical descriptors are time-average, A-weighted sound level, A-weighted sound exposure level, or octave-band sound pressure level. Other acoustical descriptors of the BEFORE and AFTER sound are not precluded. This Standard presents two methods for indirectly determining the level of the BEFORE sound. The two methods are (1) by measurement at a second site that is equivalent to the desired site prior to installation of the barrier, or (2) by prediction of the BEFORE sound levels. Equivalence here is in terms of sound-source characteristics; receiver locations; and terrain, atmospheric, and ground conditions.

Single copy price: \$231.00

Obtain an electronic copy from: standards@acousticalsociety.org

Order from: Nancy Blair-DeLeon, (631) 390-0215, asastds@acousticalsociety.org

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

BSR/ASA S12.9-2005/Part 4 (R202x), Quantities and Procedures for Description and Measurement of Environmental Sound - Part 4: Noise Assessment and Prediction of Long-Term Community Response (reaffirmation of ANSI/ASA S12.9-2005/Part 4 (R2015))

This Standard specifies methods to assess environmental sounds and to predict the potential annoyance response of a community to outdoor long-term noise from any and all types of environmental sounds from one or more discrete or distributed sound sources. The sound sources may be separate or in various combinations. Application of the prediction method is limited to areas where people reside and to related long-term land uses. NOTE: The long-term period is typically one year. However, the user of this Standard can employ these methods for shorter periods of time, but they should report this change and not attempt to predict percent highly annoyed using Clause 8.3 or Annex F, since the Annex F data all represent long-term situations.

Single copy price: \$154.00

Obtain an electronic copy from: standards@acousticalsociety.org

Order from: Nancy Blair-DeLeon, (631) 390-0215, asastds@acousticalsociety.org

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

BSR/ASA S12.9-2007/Part 5 (R202x), Quantities and Procedures for Description and Measurement of Environmental Sound - Part 5: Sound Level Descriptors for Determination of Compatible Land Us (reaffirmation of ANSI/ASA S12.9-2007/Part 5 (R2017))

This Standard provides guidelines for assessing the compatibility of various human uses of land with the actual or projected outdoor acoustical environment at a site. The total acoustical environment is characterized by the annual average of the total day-night adjusted sound exposure or the annual average of the adjusted day-night average sound level. This Standard is based on the long-term annoyance response of average communities as measured by the percent of a community that is highly annoyed. This Standard does not address the effects of short-term exposure of people to intrusive sounds in locations such as parks and wilderness areas. The Standard does not address other effects of noise such as sleep disturbance or health effects. The effects of aircraft noise on sleep can be found in ANSI S12.9-2000/Part 6. This Standard does not provide a method to predict the response of a community to short-term, infrequent, or non-repetitive sources of sound.

Single copy price: \$126.00

Obtain an electronic copy from: standards@acousticalsociety.org

Order from: Nancy Blair-DeLeon, (631) 390-0215, asastds@acousticalsociety.org

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

BSR/ASA S12.10-2010/Part 1 (R202x), Acoustics - Measurement of Airborne Noise Emitted by Information Technology and Telecommunications Equipment - Part 1: Determination of Sound Power Level and Emission Sound Pressure Level (reaffirmation of ANSI/ASA S12.10-2010/Part 1)

This American National Standard specifies procedures for measuring and reporting the noise emission of information technology and telecommunications equipment. This Standard is considered part of a noise test code for this type of equipment and is based on basic noise emission standards ANSI/ASA S12.51/ISO 3741, ANSI/ASA S12.54/ISO 3744, ANSI/ASA S12.55/ISO 3745, and ISO 11201. The basic emission quantity is the A-weighted sound power level which may be used for comparing equipment of the same type but from different manufacturers, or for comparing different equipment.

Single copy price: \$224.00

Obtain an electronic copy from: standards@acousticalsociety.org

Order from: Nancy Blair-DeLeon, (631) 390-0215, asastds@acousticalsociety.org

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

BSR/ASA S12.10-2011/Part 2 (R202x), Acoustics - Measurement of Airborne Noise Emitted by Information Technology and Telecommunications Equipment - Part 2: Declaration of Noise Emission Levels (reaffirmation of ANSI/ASA S12.10-2011/Part 2)

This Standard applies to information technology and telecommunications equipment. This Standard specifies:

- the method of determining the declared noise emission values of a batch of machines;
- acoustical and product information to be given in technical documents supplied to users by the manufacturer;
- the method for verifying the declared noise emission values given by the manufacturers.

The uniform methods in this Standard use the noise emission data obtained in accordance with ANSI/ASA S12.10/Part 1, and the statistical methods and procedures specified in ISO 4871 and the ISO 7574 series.

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BSR/ASA S12.12-1992 (R202x), Engineering Method for the Determination of Sound Power Levels of Noise Sources Using Sound Intensity (reaffirmation of ANSI/ASA S12.12-1992 (R2017))

This standard gives engineering methods for determining in situ sound power using sound intensity measurements on a measurement surface enclosing a source. It provides guidelines on the acoustical environment, including ambient noise, the measurement surface enclosing the source, and the number of measurements on the surface. This standard does not include specification of instruments or calibration procedures. It is not limited to any one technique of intensity measurement.

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BSR/ASA S12.14-1992 (R202x), Methods for the Field Measurement of the Sound Output of Audible Public Warning Devices Installed at Fixed Locations Outdoors (reaffirmation of ANSI/ASA S12.14-1992 (R2012))

This standard specifies methods for measuring and reporting the sound produced by sound-making devices installed at fixed locations outdoors for the purpose of warning people of emergencies. The sound-making devices to which this standard is applicable include mechanical-electronic and mechanical/electronic sirens that produces steady-tonal sounds with a nominal fundamental frequency in the range from 300 to 1000 Hz; when installed at a fixed location out doors in accordance with the manufacturer's recommendations. The purpose of this standard is to provide methods for measuring and reporting certain properties of tonal sounds produced by audible public warning devices when such devices are installed at fixed locations outdoors. Methods are given for the measurement of the C-weighted sound level produced by the device and for the determination of the one-third octave band containing the fundamental frequency of the warning sound at a distance of 100 ft (30.5 m) from the device and at the mounted height of the device. A method is also given for measuring the maximum levels of warning sounds at the heads of bystanders on the ground near the source.

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BSR/ASA S12.15-1992 (2016) (R202x), Acoustics - Portable Electric Power Tools, Stationary and Fixed Electric Power Tools, and Gardening Appliances - Measurement of Sound Emitted (reaffirmation of ANSI/ASA S12.15-1992 (2016))

This standard applies to portable electric power tools rated at or below 250 volts (V) for use in accordance with American National Standard National Electric Code, ANSI/NFPA 70-1990. This standard also applies to stationary and fixed electric power tools rated at or below 600 V for use in accordance with ANSI/NFPA 70-1990. The purpose of this standard is to provide test procedures for the measurement of airborne sound from portable electric power tools, stationary and fixed electric power tools, and gardening appliances. This standard provides for the measurement of sound pressure levels and for the calculation of sound power levels.

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BSR/ASA S12.17-1996 (R202x), Impulse Sound Propagation for Environmental Noise Assessment (reaffirmation of ANSI/ASA S12.17-1996 (R2016))

This standard describes engineering methods that may be used to calculate the C-weighted sound exposure level of blast or high-energy impulsive sounds at distances ranging from 1 to 30 km from the source. Sources of high-energy impulsive sounds include blasting at mines or quarries, guns, military weapons, and other explosive devices that utilize non-nuclear explosives with a total explosive mass between 50 g and 1000 kg. The engineering methods described in this Standard may be used in environmental assessments to supplement the information determined by application of the procedures in Part 4 of ANSI S12.9-1997. For explosive masses greater than 1000 kg, the procedures in ANSI S2.20-1983 (R1989) should be used to estimate the peak sound pressure level at a receiver location.

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BSR/ASA S12.19-1996 (R202x), Measurement of Occupational Noise Exposure (reaffirmation of ANSI/ASA S12.19-1996 (R2016))

This Standard provides procedures for the measurement of occupational noise exposure. The user of this Standard should be proficient, or under the direction of one who is proficient in noise measurement. This Standard provides procedures for measuring the occupational noise exposure from all types of noise, e.g., continuous, fluctuating, intermittent and/or impulse/impact. Measurements may be reported as sound level with corresponding duration, time-weighted average sound level and/or noise dose. This Standard provides for the measurement of the noise exposure of individuals and can be extended to representative groups performing similar activities. It can also be used to measure the noise exposure from a given job or activity. This Standard does not provide procedures for the measurement of occupational noise exposure attributable to the use of earphones or telephone receivers.

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BSR/ASA S12.23-1989 (R202x), Method for the Designation of Sound Power Emitted by Machinery and Equipment (reaffirmation of ANSI/ASA S12.23-1989 (R2016))

It is the purpose of this standard to describe a method for expressing the noise emissions of machinery and equipment in a convenient manner. The method may be useful for equipment specification, labeling, or other documentation that expresses in quantitative terms the noise emission of a product or device. It is not the purpose of this standard to provide a classification of noise sources. The primary purpose of this standard is to define a standard noise descriptor, i.e., the noise emission level in bels, to facilitate the reporting of A-weighted sound power levels of machinery and equipment.

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BSR/ASA S12.43-1997 (R202x), Methods for Measurement of Sound Emitted by Machinery and Equipment at Workstations and Other Specified Positions (reaffirmation of ANSI/ASA S12.43-1997 (R2017))

This Standard provides three methods to measure sound pressure levels from all types of machinery and equipment at workstations and other specified positions. The first method applies to measurements in an essentially free field over a reflecting plane. These sound pressure levels are, in general, equal to or lower than those that would occur when the machine is operated in its normal surroundings as the effects of background noise or reflections from surfaces other than the mounting surface are excluded. The second method applies to measurements in normal operating environments where the effects of background noise and reflections from surfaces surrounding the machine are accounted for in the measurements. The third method is a survey method of measurement for sound sources operating in their normal environments when less accurate measurements are acceptable.

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BSR/ASA S12.44-1997 (R202x), Standard Methods for Calculation of Sound Emitted by Machinery and Equipment at Workstations and Other Specified Positions from Sound Power Level (reaffirmation of ANSI/ASA S12.44-1997 (R2017))

This Standard provides a method for determining emission sound pressure levels from the sound power level produced by all types of machinery and equipment at workstations and other specified locations. These sound pressure levels are, in general, less than those that would be measured when the machinery or equipment is operating in its normal surroundings where the environment may influence the measurement of an emission sound pressure level

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BSR/ASA S12.50-2002/ISO 3740-2000 (R202x), Acoustics - Determination of sound power levels of noise sources - Guidelines for the use of basic standards (reaffirm a national adoption ANSI/ASA S12.50-2002/ISO 3740-2000 (R2017))

This International Standard gives guidance for the use of a series of nine International Standards describing various methods for determining the sound power levels from all types of machinery and equipment. It provides brief summaries of these basic International Standards; guidance on the selection of one or more of these standards which are appropriate to any particular type (see clause 5 and annex D). The guidance given applies only to airborne sound. It is for use in the preparation of noise test codes (see ISO 12001) and also in noise testing where no specific noise test code exists. This International Standard is not intended to replace any of the details of, or add any additional requirements to, the individual test methods in the other basic standards referred to. These basic standards specify the acoustical requirements for measurements appropriate for different test environments and accuracies.

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BSR/ASA S12.53-1999/Part 2/ISO 3743-2-1994 (R202x), Acoustics - Determination of sound power levels of noise sources using sound pressure - Engineering methods for small, movable sources in reverberant fields - Part 2: Methods for special reverberation test rooms. (reaffirm a national adoption ANSI/ASA S12.53-1999/Part 2/ISO 3743-2-1994 (R2015))

This part of ISO 3743 specifies a relatively simple engineering method for determining the sound power levels of small, movable noise sources. The measurements are carried out when the source is installed in a specially designed room having a specified reverberation time over the frequency range of interest. The A-weighted sound power level of the source under test is determined from a single A-weighted sound pressure level measurement at each microphone position rather than from a summation of octave-band levels. This direct method eliminates the need for a reference sound source, but requires the use of a special reverberation test room. The direct method is based on the premise that the sound pressure level, averaged in space and time in the test room, can be used to determine the sound power level emitted by the source. The properties of the special reverberation test room are chosen so that the room's influence on the sound power output of the equipment under test is small. The number of microphone positions and source locations required in the test room are specified. Guidelines for the design of special reverberation rooms are given in annex B.

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BSR/ASA S12.53-2011/Part 1/ISO 3743-1:2010 (R202x), Acoustics - Determination of sound power levels and sound energy levels of noise sources using sound pressure - Engineering methods for small movable sources in reverberant fields - Part 1: Comparison method for a hard-walled test room (reaffirm a national adoption ANSI/ASA S12.53-2011/Part 1/ISO 3743-1:2010 (R2016))

This part of ISO 3743 specifies methods for determining the sound power level or sound energy level of a noise source by comparing measured sound pressure levels emitted by this source (machinery or equipment) mounted in a hard-walled test room, the characteristics of which are specified, with those from a calibrated reference sound source. The sound power level (or, in the case of noise bursts or transient noise emission, the sound energy level) produced by the noise source, in frequency bands of width one octave, is calculated using those measurements. The sound power level or sound energy level with A-weighting applied is calculated using the octave-band levels.

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BSR/ASA S12.54-2011/ISO 3744-2010 (R202x), Acoustics - Determination of sound power levels and sound energy levels of noise sources using sound pressure - Engineering methods for an essentially free field over a reflecting plane (reaffirm a national adoption ANSI/ASA S12.54-2011/ISO 3744-2010 (R2016))

This American National Standard specifies methods for determining the sound power level or sound energy level of a noise source from sound pressure levels measured on a surface enveloping the noise source (machinery or equipment) in an environment that approximates to an acoustic free field near one or more reflecting planes. The sound power level (or, in the case of noise bursts or transient noise emission, the sound energy level) produced by the noise source, in frequency bands or with A-weighting applied, is calculated using those measurements.

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BSR/ASA S12.56-2011/ISO 3746:2010 (R202x), Acoustics - Determination of sound power levels and sound energy levels of noise sources using sound pressure - Survey method using an enveloping measurement surface over a reflecting plane (reaffirm a national adoption ANSI/ASA S12.56-2011/ISO 3746:2010 (R2016))

This American National Standard specifies methods for determining the sound power level or sound energy level of a noise source from sound pressure levels measured on a surface enveloping a noise source (machinery or equipment) in a test environment for which requirements are given. The sound power level (or, in the case of noise bursts or transient noise emission, the sound energy level) produced by the noise source with frequency A-weighting applied is calculated using those measurements.

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BSR/ASA S12.57-2011/ISO 3747-2010 (R202x), Acoustics - Determination of sound power levels and sound energy levels of noise sources using sound pressure - Engineering/survey methods for use in situ in a reverberant environment (reaffirm a national adoption ANSI/ASA S12.57-2011/ISO 3747-2010 (R2016))

This document specifies a method for determining the sound power level or sound energy level of a noise source by comparing measured sound pressure levels emitted by a noise source (machinery or equipment) mounted in situ in a reverberant environment, with those from a calibrated reference sound source. The sound power level (or, in the case of noise bursts or transient noise emission, the sound energy level) produced by the noise source, in frequency bands of width one octave, is calculated using those measurements. The sound power level or sound energy level with frequency A-weighting applied is calculated using the octave-band levels.

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BSR/ASA S12.62-2012/ISO 9613-2:1996 (MOD) (R202x), Acoustics - Attenuation of sound during propagation outdoors - Part 2: General method of calculation (a modified nationally adopted international standard) (reaffirm a national adoption ANSI/ASA S12.62-2012/ISO 9613-2:1996 (MOD) (R2017))

This American National Standard specifies an engineering method for calculating the attenuation of sound during propagation outdoors in order to predict the levels of environmental noise at a distance from a variety of sources. The method predicts the equivalent continuous A-weighted sound pressure level (as described in parts 1 to 3 of ISO 1996) under meteorological conditions favorable to propagation from sources of known sound emission.

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BSR/ASA S12.65-2006 (R202x), Rating Noise with Respect to Speech Interference (reaffirmation of ANSI/ASA S12.65-2006 (R2011))

This standard defines a simple numerical method for rating the expected speech-interfering aspects of noise using acoustical measurements of the noise. The relevant acoustical characteristics of the noise are summarized in terms of a single-valued index known as the speech interference level. The application of the measure is intended for natural speech. NOTE: The speech interference level is related to the speech intelligibility index (ANSI S3.5-1997 (R2002)) and to A-weighted sound level (ANSI S1.42-2001 (R2006)).

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BSR/ASA S12.67-2008 (R202x), Pre-Installation Airborne Sound Measurements and Acceptance Criteria of Shipboard Equipment (reaffirmation of ANSI/ASA S12.67-2008 (R2013))

This standard specifies procedures and instrumentation for the sound pressure measurement of airborne sound generated by shipboard equipment. Exceptions or additions to the requirements of this standard may be granted or added by the purchaser of equipment being tested in accordance with this standard. Overall noise in ship compartments is a combination of noise generated from all equipment installed in or near that compartment as well as other possible sources. Noise in ship compartments is not addressed in this standard.

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BSR/ASA S12.68-2007 (R202x), Methods of Estimating Effective A-Weighted Sound Pressure Levels When Hearing Protectors Are Worn (reaffirmation of ANSI/ASA S12.68-2007 (R2017))

This standard specifies a choice of three methods for use with hearing protector attenuation data to estimate the effective A-weighted sound pressure levels when a hearing protector is worn. The three methods (the Noise Level Reduction Statistic for use with A-weighting (NRSA); the Noise Level Reduction Statistic, Graphical (NRSG); and the octave-band method) are presented in order of increasing complexity of use and potential accuracy. Furthermore, the standard specifies in the case of the NRSA and the NRSG that values will be presented for both the 80th and 20th percentiles, indicated as NRSA80 and NRSA20, and as NRSG80 and NRSG20, to reflect the range of attenuation that can be anticipated.

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BSR/ASA S12.69-2010 (R202x), Procedure for Testing Railroad Horns ex situ (reaffirmation of ANSI/ASA S12.69-2010 (R2015))

This Standard specifies an alternative test procedure to produce horn sound level data equivalent to that produced by the in situ procedure in 49 CFR Part 229.129. This method may be used when: (1) No test location exists that meets the requirements of the regulation; (2) A conforming location exists but testing at that location creates an unacceptable environmental impact on the surrounding residents; and (3) The standard is applicable for a specific locomotive model, horn model, and mounting location and for horns having a fundamental frequency between 200 Hz and 4,000 Hz.

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BSR/ASA S12.70-2016 (R202x), Criteria for Evaluating Speech Privacy in Health Care Facilities (reaffirmation of ANSI/ASA S12.70-2016)

This standard provides a relationship between speech privacy descriptors and speech privacy expectations for various enclosed and open-plan healthcare spaces. Descriptors used to characterize speech privacy expectation are the articulation index (AI) and the privacy index (PI). This standard also provides design criteria for achieving acceptable speech privacy in health-care facilities including treatment rooms, clinicians' offices, pharmacies, reception/waiting areas, etc. This standard provides covered entities, architectural design teams, acoustical consultants, and regulators guidelines and objective criteria for designing healthcare facilities that provide sufficient speech privacy to protect personal health information (PHI) as required by the Health Insurance Portability and Accountability Act (HIPAA). The standard also provides general guidance on the relationship between expectations of speech privacy and objective descriptors used to evaluate speech privacy. The annexes also provide guidance on how speech privacy can be obtained in different types of architectural spaces and circumstances, and how to objectively evaluate speech privacy to verify conformance with these criteria.

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BSR/ASA S12.72-2015 (R202x), Procedure for Measuring the Ambient Noise Level in a Room (reaffirmation of ANSI/ASA S12.72-2015)

This standard specifies requirements and procedures for the measurement of sound pressure levels in building spaces or rooms. These requirements and procedures apply ideally to measurements performed in unoccupied spaces, with normal building services and HVAC equipment operating under relatively steady conditions. This standard, however, does not exclude measurements in occupied rooms. Transient noise sources, which for the purposes of this standard are defined as sounds with a duration of less than 10 seconds, are specifically excluded from this standard. This standard also does not apply to measurements made outdoors.

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BSR/ASA S12.76-2017 (R202x), Methods for Measurement of Supersonic Jet Noise from Uninstalled Military Aircraft Engines (reaffirmation of ANSI/ASA S12.76-2017)

This standard describes procedures to measure jet noise from uninstalled military aircraft engines with supersonic exhaust flows. The methods pertain to propulsion systems mounted on outdoor test stands with appropriate inlets and representative nozzles. Detailed measurement procedures are described for near-field acoustical characterization. These data can be used to establish baseline noise levels, assess effectiveness of noise reduction technologies, estimate personnel noise exposure, and provide full-scale data for refinement of engine noise models. Far-field measurement procedures are described to provide data for estimates of community noise. This standard describes required measurement instrumentation, signal processing, data formatting, and measurement uncertainty. This standard does not apply to commercial engines, dual-use engines, or other engines covered by FAA/ICAO noise certification requirements.

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BSR/ASA S12.60/Part 1-2010 (R202x), Standard Acoustical Performance Criteria, Design Requirements, and Guidelines for Schools - Part 1: Permanent Schools (reaffirmation of ANSI/ASA S12.60/Part 1-2010 (R2015))

Part 1 of ANSI/ASA S12.60 is applicable to core learning spaces and classrooms with interior volumes not exceeding 566 m³ (20 000 ft³) and to ancillary learning spaces of any volume. Learning spaces with volumes larger than 566 m³ (20 000 ft³) are considered ancillary learning spaces for purposes of this standard. Annex A provides testing procedures when optional tests are performed to determine conformance with the source background noise requirements and the noise isolation requirements of this standard. Annex B provides commentary information on various paragraphs of this standard. Annex C provides guidelines for controlling reverberation in classrooms and other learning spaces.

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ASA (ASC S3) (Acoustical Society of America)

Reaffirmation

BSR ASA S3.22-2014 (R202x), Specification of Hearing Aid Characteristics (reaffirmation of ANSI ASA S3.22-2014)

This standard describes certain hearing aid measurements and parameters that are deemed useful in determining the electroacoustic performance of an air-conduction hearing aid. Some of these lend themselves to setting of tolerances for the purpose of maintaining product uniformity and for compliance with the performance specified for a model.

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BSR ASA S3.41-2015 (R202x), Audible Emergency Evacuation (E2) and Evacuation Signals with Relocation Instructions (ESRI) (reaffirmation of ANSI ASA S3.41-2015)

This Standard specifies the characteristics of acoustic signals to be used for audible emergency evacuation (E2) and audible evacuation signals with relocation instructions (ESRI). It applies to the audible signal only and not to the signaling system components or equipment. The use of these signals either as the only audible means of signaling or as a part of a voice message is subject to the requirements of governing laws, codes, or other standards.

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BSR ASA S3.52-2016 (R202x), Measurements of the Threshold of Hearing and Signal Detectability in a Sound Field (reaffirmation of ANSI ASA S3.52-2016)

This standard specifies relevant requirements for sound-field hearing tests conducted with the signals presented by means of loudspeakers in free, quasi-free, and diffuse sound fields. The requirements and conditions described in this standard are suitable for both frequency-specific hearing tests and assessment of detectability of wide-band signals. Two types of frequency-specific test signals—frequency-modulated tones and narrow-band noises—are described in the standard but other well-defined narrow- and wideband test signals may also be used if the test conditions described in the standard are met. The main body of the standard specifies requirements for the measurement of the threshold of hearing.

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BSR ASA S3.7-2016 (R202x), Method for Measurement and Calibration of Earphones (reaffirmation of ANSI ASA S3.7-2016)

The electroacoustic test methods described in this standard are primarily for use with circumaural (over-the-ear), supra-aural (against-the-ear), and insert (ear-canal)-type earphones, but may be applied to other types as well. Although these methods are generally applicable to earphones for all uses, the most common application of these methods are for earphones intended for hearing aids and audiometric testing and for receivers or other electroacoustic transducers intended for use in an earphone.

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BSR/ASA S3.2-2009 (R202x), Method for Measuring the Intelligibility of Speech over Communication Systems (reaffirmation of ANSI/ASA S3.2-2009 (R2014))

The scope of this standard includes the measurement of the intelligibility of speech over entire communication systems and the evaluation of the contributions of elements of speech communication systems. The scope also includes evaluation of the factors that affect the intelligibility of speech.

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BSR/ASA S3.4-2007 (R202x), Procedure for the Computation of Loudness of Steady Sounds (reaffirmation of ANSI/ASA S3.4-2007 (R2017))

This standard specifies a procedure for calculating the monaural and binaural loudness experienced by listeners with normal hearing under the following conditions: Listening Conditions Spectrum Steady State

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BSR/ASA S3.5-1997 (R202x), Methods for Calculation of the Speech Intelligibility Index (reaffirmation of ANSI/ASA S3.5-1997 (R2017))

The predictions of this Standard apply to listening conditions where the input variables of the Speech Intelligibility Index (SII) model can be accurately estimated. The input variables include the equivalent speech spectrum level, the equivalent noise spectrum level, and the equivalent hearing threshold level. This includes the conditions where either speech or noise may not exist as directly measurable physical quantities (e.g., conditions where speech correlated noise is present, such as reverberated speech) but where equivalent speech spectrum level, equivalent noise spectrum level, and equivalent hearing threshold level can nevertheless be calculated.

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

BSR/ASA S3.13-1987 (R202x), Mechanical Coupler for Measurement of Bone Vibrators (reaffirmation of ANSI/ASA S3.13-1987 (R2012))

This standard specifies requirements for mechanical couplers used for calibrating bone-conduction audimeters and for making measurements on bone vibrators and bone-conduction hearing aids, in the frequency range from 125 to 8000 hertz (Hz) inclusive.

Single copy price: \$126.00

Obtain an electronic copy from: standards@acousticalsociety.org

Order from: Nancy Blair-DeLeon, (631) 390-0215, asastds@acousticalsociety.org

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

BSR/ASA S3.20-2015 (R202x), Bioacoustical Terminology (reaffirmation of ANSI/ASA S3.20-2015)

This American National Standard provides definitions for terms used in human bioacoustics. Some additional general terms for measurement and instruments related to applications in psychoacoustics are also provided.

Single copy price: \$231.00

Obtain an electronic copy from: standards@acousticalsociety.org

Order from: Nancy Blair-DeLeon, (631) 390-0215, asastds@acousticalsociety.org

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

BSR/ASA S3.35-2010 (R202x), Method of Measurement of Performance Characteristics of Hearing Aids Under Simulated Real-Ear Working Conditions (reaffirmation of ANSI/ASA S3.35-2010 (R2015))

The purpose of this standard is to describe test methods which include the acoustical effects of a simulated median adult wearer on the performance of a hearing aid.

Single copy price: \$231.00

Obtain an electronic copy from: standards@acousticalsociety.org

Order from: Nancy Blair-DeLeon, (631) 390-0215, asastds@acousticalsociety.org

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

BSR/ASA S3.37-1987 (R202x), Preferred Earhook Nozzle Thread for Postauricular Hearing Aids (reaffirmation of ANSI/ASA S3.37-1987 (R2017))

This standard applies only to those postauricular hearing aids which utilize screw-on threads.

Single copy price: \$126.00

Obtain an electronic copy from: standards@acousticalsociety.org

Order from: Nancy Blair-DeLeon, (631) 390-0215, asastds@acousticalsociety.org

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

BSR/ASA S3.39-1987 (R202x), Specifications for Instruments to Measure Aural Acoustic Impedance and Admittance (Aural Acoustic Immittance) (reaffirmation of ANSI/ASA S3.39-1987 (R2012))

The instruments covered by this standard are designed primarily for the measurement of acoustic impedance, acoustic admittance, or both quantities, with in the human external auditory meatus. The standard is concerned with the parameters and tolerances of instruments used for measurement of aural acoustic impedance and aural acoustic admittance when the probe-tone frequency is 226 Hz. It is not within the scope of this standard to establish normative values for human ears.

Single copy price: \$154.00

Obtain an electronic copy from: standards@acousticalsociety.org

Order from: Nancy Blair-DeLeon, (631) 390-0215, asastds@acousticalsociety.org

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

BSR/ASA S3.42-1992/Part 1 (R202x), Testing Hearing Aids with a Broadband Noise Signal (reaffirmation of ANSI/ASA S3.42-1992/Part 1 (R2017))

The purpose of this document is to define a test method with which to characterize the steady-state frequency response and input/output characteristics of hearing aids as the input level varies. This method is particularly useful for those hearing aids that have automatic gain control or other types of adaptive circuitry.

Single copy price: \$154.00

Obtain an electronic copy from: standards@acousticalsociety.org

Order from: Nancy Blair-DeLeon, (631) 390-0215, asastds@acousticalsociety.org

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

BSR/ASA S3.42-2012/Part 2/IEC 60118-15:2012 (R202x), Testing Hearing Aids - Part 2: Methods for characterizing signal processing in hearing aids with a speech-like signal (a nationally adopted international standard) (reaffirm a national adoption ANSI/ASA S3.42-2012/Part 2/IEC 60118-15:2012 (R2017))

This American National Standard specifies a test signal designed to represent normal speech, the International Speech Test Signal (ISTS), together with the procedures and the requirements for measuring the characteristics of signal processing in air-conduction hearing aids. The measurements are used to derive the estimated insertion gain (EIG). For the purposes of characterizing a hearing aid for production, supply, and delivery, the procedures and requirements to derive the coupler gain on a 2 cm³ coupler as defined in IEC 60318-5 are also specified.

Single copy price: \$282.80

Obtain an electronic copy from: standards@acousticalsociety.org

Order from: Nancy Blair-DeLeon, (631) 390-0215, asastds@acousticalsociety.org

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

BSR/ASA S3.44-2016/Part 1/ISO 1999-2013 (MOD) (R202x), Estimation of Noise-induced Hearing Loss - Part 1: Method for Calculating Expected Noise-induced Permanent Threshold Shift (a modified nationally adopted international standard) (reaffirm a national adoption ANSI/ASA S3.44-2016/Part 1/ISO 1999-2013 (MOD))

This American National Standard specifies a method for calculating the expected noise-induced permanent threshold shift in the hearing threshold levels of adult populations due to various levels and durations of noise exposure; it provides the basis for calculating hearing disability according to various formulae when the hearing threshold levels at commonly measured audiometric frequencies, or combinations of such frequencies, exceed a certain value.

Single copy price: \$163.80

Obtain an electronic copy from: standards@acousticalsociety.org

Order from: Nancy Blair-DeLeon, (631) 390-0215, asastds@acousticalsociety.org

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

BSR/ASA S3.55-2015/Part 3/IEC 60318-3:2015 (R202x), Electroacoustics - Simulators of Human Head and Ear - Part 3: Acoustic Coupler for the Calibration of Supra-Aural Earphones Used in Audiometry (reaffirm a national adoption ANSI/ASA S3.55-2015/Part 3/IEC 60318-3:2015)

This part of ANSI/ASA S3.55/IEC 60318 specifies an acoustic coupler for the measurement of supra-aural audiometric earphones in the frequency range from 125 Hz to 8,000 Hz.

Single copy price: \$98.00

Obtain an electronic copy from: standards@acousticalsociety.org

Order from: Nancy Blair-DeLeon, (631) 390-0215, asastds@acousticalsociety.org

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

BSR/ASA S3/SC1.100-2014/BSR/ASA S12.100-2014 (R202x), Methods to Define and Measure the Residual Sound in Protected Natural and Quiet Residential Areas (reaffirmation of ANSI/ASA S3/SC1.100-2014/ANSI/ASA S12.100-2014)

This standard specifies measurement procedures for characterizing residual sound levels in protected natural areas and quiet residential areas.

Single copy price: \$169.40

Obtain an electronic copy from: standards@acousticalsociety.org

Order from: Nancy Blair-DeLeon, (631) 390-0215, asastds@acousticalsociety.org

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

ASABE (American Society of Agricultural and Biological Engineers)

New Standard

BSR/ASABE S627 MONYEAR-202x, Weather-Based Landscape Irrigation Control Systems (new standard)

Standardize a test that can be used to evaluate the performance characteristics of irrigation control devices that incorporate the use of sensors or programming technology that responds to real-time environmental conditions to modify irrigation schedules as plant water requirements change based on factors that influence plant growth.

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

Obtain an electronic copy from: walsh@asabe.org

Order from: Jean Walsh, (269) 932-7027, walsh@asabe.org

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

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

Revision

BSR/ASHRAE Standard 127-202xR, Method of Testing for Rating Air Conditioning Units Serving Data Center (DC) and Other Information Technology Equipment (ITE) Spaces (revision of ANSI/ASHRAE Standard 127-2012)

This revision of Standard 127-2012 establishes a uniform set of test requirements for rating air conditioning units that are applied in Data Center (DC) and other Information Technology Equipment (ITE) spaces.

Single copy price: \$35.00

Obtain an electronic copy from: <http://www.ashrae.org/standards-research--technology/public-review-drafts>

Order from: standards.section@ashrae.org

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

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

New Standard

BSR/ASSP A10.30-202X, Safety Requirements for the Installation of Anchors and Micropiles (new standard)

This standard establishes safety requirements for the installation of anchors and micropiles during construction and demolition operations. This standard is intended for use as a guide for protecting workers from hazards associated with installation of tieback anchors and micropiles. Additionally, this standard can serve as a guide to governmental authorities having jurisdiction over subjects within the scope of the A10 Committee standards.

Single copy price: \$100.00

Obtain an electronic copy from: Tim Fisher at TFisher@ASSP.Org

Order from: Tim Fisher, (847) 768-3411, tfisher@assp.org

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

AWWA (American Water Works Association)

Revision

BSR/AWWA C653-202x, Disinfection of Water Treatment Plants (revision of ANSI/AWWA C653-2013)

This standard describes chlorination materials, procedures, and requirements for disinfection of water treatment facilities. Typically, this standard applies to treatment components, including filter basins, filter media, clearwells, pump suction wells, and associated piping and appurtenances located downstream from the filter influent, or from the first point of application of disinfectant in the treatment process, or all portions of a facility if no primary disinfection is provided.

Single copy price: Free

Obtain an electronic copy from: polson@awwa.org

Order from: Paul Olson, polson@awwa.org

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

ECIA (Electronic Components Industry Association)

New Standard

BSR/EIA 703-B-202x, General Resistor Stress Test Qualification Specification (new standard)

This specification defines the qualification program for resistors.

Single copy price: \$104.00

Obtain an electronic copy from: www.global.ihs.com

Order from: Global Engineering Documents, (800) 854-7179, www.global.ihs.com

Send comments (with optional copy to psa@ansi.org) to: Edward Mikoski; emikoski@ecianow.org

ECIA (Electronic Components Industry Association)

Revision

BSR/EIA 575-C-202x, Resistors, Thick Film Rectangular SMD on Ceramic (revision and redesignation of ANSI/EIA 575-B-2014)

This standard covers thick film general purpose rectangular leadless discrete fixed resistors with temperature coefficients of plus or minus 350 PPM/degrees C (ranging from plus or minus 50 PPM/degrees C to plus or minus 350 PPM/degrees C) and greater and resistance tolerances of plus or minus 5% (ranging from plus or minus 0.5% to plus or minus 5%) and greater for use in surface mounting applications using soldering techniques.

Single copy price: \$82.00

Obtain an electronic copy from: www.global.ihs.com

Order from: Global Engineering Documents, (800) 854-7179, www.global.ihs.com

Send comments (with optional copy to psa@ansi.org) to: Edward Mikoski; emikoski@ecianow.org

BSR/EIA 576-C-202x, Resistors, Thin Film Rectangular SMD on Ceramic (revision and redesignation of ANSI/EIA/ECA-576-B-2014)

This standard covers thin film precision rectangular leadless discrete fixed resistors with temperature coefficients of 50 PPM/C and tighter and resistance tolerances of 1%, 0.5%, 0.25%, 0.1%, and 0.05% for use in surface mounting applications using soldering techniques.

Single copy price: \$84.00

Obtain an electronic copy from: www.global.ihs.com

Order from: Global Engineering Documents, (800) 854-7179, www.global.ihs.com

Send comments (with optional copy to psa@ansi.org) to: Edward Mikoski; emikoski@ecianow.org

BSR/EIA 886-B-202x, Resistors, Thick Film Array on Ceramic (revision and redesignation of ANSI/EIA 886-A-2014)

This specification defines the requirements for a family of thick film chip resistor arrays in ceramic with various configurations and package sizes.

Single copy price: \$76.00

Obtain an electronic copy from: www.global.ihs.com

Order from: Global Engineering Documents, (800) 854-7179, www.global.ihs.com

Send comments (with optional copy to psa@ansi.org) to: Edward Mikoski; emikoski@ecianow.org

IES (Illuminating Engineering Society)

New Standard

BSR/IES LS-5-202x, Lighting Science: Color (new standard)

This document covers the basics of color science, including color vision fundamentals and an overview of colorimetry. It also describes color terminology, color properties of light sources, and the use of color in applied lighting, which includes discussions of common color metrics. This document is not meant as a substitute for more comprehensive literature on this topic or for the standards that are referenced within; instead, it is meant to provide general knowledge to a lighting practitioner and direct readers to appropriate material. It focuses on practical use, rather than acting as a historical record.

Single copy price: \$25.00

Obtain an electronic copy from: pmcgillicuddy@ies.org

Order from: Patricia McGillicuddy, (917) 913-0027, pmcgillicuddy@ies.org

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

BSR/IES TM-24-202x, Lighting Science: An Optional Method for Adjusting the Recommended Illuminance for Visually Demanding Tasks within IES Illuminance Categories P through Y Based on Light Source Spectrum (new standard)

This TM describes how a light source's SPD affects pupil size, visual acuity, and visual efficiency under interior lighting conditions, and establishes an optional calculation method, Equivalent Visual Efficiency (EVE), for adjusting IES recommended illuminance targets under limited circumstances when visual tasks require the ability to discern achromatic visual detail to ensure speed and/or accuracy in the performance of the visual task. EVE is a method for achieving a balance between light level and SPD that results in maintaining equal visual acuity; it is not intended to improve visual acuity or visual performance. The calculation makes no claim as to any effect on overall visual performance, other than to state that the use of this calculation ensures equivalent visual efficiency for visually demanding tasks. The calculation is optional, and its use should be balanced with other lighting design criteria and objectives.

Single copy price: \$25.00

Obtain an electronic copy from: pmcgillicuddy@ies.org

Order from: Patricia McGillicuddy, (917) 913-0027, pmcgillicuddy@ies.org

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

UL (Underwriters Laboratories, Inc.)

New National Adoption

BSR/UL 60335-2-29-202x, Standard for Safety for Household and Similar Electrical Appliances - Safety - Part 2-29: Particular Requirements for Battery Chargers (national adoption with modifications of IEC 60335-2-29)

The following is proposed: the First Edition of the Binational CSA/UL 60335-2-29, Standard for Household and Similar Electrical Appliances - Safety - Part 2-29: Particular Requirements for Battery Chargers, which is an adoption of IEC 60335-2-29, Ed 5.1, with national differences.

Single copy price: Free

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

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

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

UL (Underwriters Laboratories, Inc.)

Reaffirmation

BSR/UL 1994-2010 (R202x), Standard for Safety for Luminous Egress Path Marking Systems (reaffirmation of ANSI/UL 1994-2010)

Reaffirmation and continuance of the fourth edition of the Standard for Safety for Luminous Egress Path Marking Systems, UL 1994, as an American National Standard.

Single copy price: Free

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

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

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

BSR/UL 60745-2-14-2011 (R202x), Standard for Safety for Hand-Held Motor-Operated Electric Tools - Safety - Part 2-14: Particular Requirements for Planers (reaffirmation of ANSI/UL 60745-2-14-2011 (R2015))

(1) Reaffirmation and continuance of the second edition of the Standard for Hand-Held Motor-Operated Electric Tools - Safety - Part 2-14: Particular Requirements for Planers, UL 60745-2-14, as an American National Standard.

Single copy price: Free

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

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

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

BSR/UL 60745-2-17-2011 (R202x), Hand-Held Motor-Operated Electric Tools - Safety - Part 2-17: Particular Requirements for Routers and Trimmers (reaffirmation of ANSI/UL 60745-2-17-2011 (R2015))

(1) Reaffirmation and continuance of the third edition of the Standard for Hand-Held Motor-Operated Electric Tools - Safety - Part 2-17: Particular Requirements for Routers and Trimmers, UL 60745-2-17, as an American National Standard.

Single copy price: Free

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

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

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

BSR/UL 60745-2-19-2011 (R202x), Standard for Safety for Hand-Held Motor-Operated Electric Tools - Safety - Part 2-19: Particular Requirements for Jointers (reaffirmation of ANSI/UL 60745-2-19-2011 (R2015))

(1) Reaffirmation and continuance of the first edition of the Standard for Hand-Held Motor-Operated Electric Tools - Safety - Part 2-19: Particular Requirements for Jointers, UL 60745-2-19, as an American National Standard.

Single copy price: Free

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

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

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

BSR/UL 60745-2-23-2015 (R202x), Standard for Safety for Hand-Held Motor-Operated Electric Tools - Safety - Part 2-23: Particular Requirements for Die Grinders and Small Rotary Tools (reaffirmation of ANSI/UL 60745-2-23-2015)

This proposal for UL 60745-2-23 covers: Reaffirmation of ANSI approval.

Single copy price: Free

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

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

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

Comment Deadline: May 26, 2020

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

ASME (American Society of Mechanical Engineers)

Revision

BSR/ASME A112.18.8-202x, In-Line Sanitary Waste Valves for Plumbing Drainage Systems (revision of ANSI/ASME A112.18.8-2009 (2014))

This Standard establishes minimum requirements for materials in the construction of sanitary waste valves (referred to in this standard as “the valve”) for use as an alternate to tubular p-traps, and prescribes minimum test requirements for the performance of the valve, together with methods of marking and identification.

Single copy price: Free

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

Order from: <https://cstools.asme.org/csconnect/PublicReviewPage.cfm>

Send comments (with optional copy to psa@ansi.org) to: Angel L. Guzman Rodriguez; guzman@asme.org

LES (Licensing Executives Society (U.S. and Canada))

New Standard

BSR/LES IPSC.001.1-202x, Management System for the Protection of Intellectual Property in the Supply Chain -Requirements (new standard)

Developed by the LES Standards Development Organization, the Management System for the Protection of Intellectual Property in the Supply Chain – Requirements draft standard defines a common set of expectations for what organizations can and should do to protect all types of their own IP and the IP of customers, suppliers, and partners. The Committee’s vision is to achieve standardization around how organizations develop and implement an intellectual property protection management system. This standard seeks to supplement legal and contractual IP protection methods through performance standards and business processes and practices that define the management systems required to protect all types of intellectual property (IP) in the global supply chain. The LES Standards Development Organization encourages IP thought leaders around the globe to participate in the public review and comment of LES draft standards as part of the standardization development process. As an Accredited Standards Developer of the American National Standards Institute (ANSI), LES provides the 60-day public review period to encourage manufacturers, distributors, and any interested stakeholder to represent each organization’s best interests while helping to shape this field for the future.

Single copy price: Free

Obtain an electronic copy from: <https://www.lesusacanada.org/pae/Standards-Review>

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

UL (Underwriters Laboratories, Inc.)

New Standard

BSR/UL 498D-202x, Standard for Safety for Attachment Plugs, Cord Connectors and Receptacles with Arcuate (Locking Type) Contacts (new standard)

The proposed first edition of the Standard for Attachment Plugs, Cord Connectors and Receptacles with Arcuate (Locking Type) Contacts, UL 498D, covers attachment plugs, receptacles, cord connectors, and inlets, with arcuate contacts (locking-type configurations), rated 20 or 30 of the non-grounding type or devices rated 15, 50, or 60 A grounding or non-grounding type. All intended for connection to a branch circuit for use in accordance with the National Electrical Code, ANSI/NFPA 70.

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 498E-202x, Standard for Safety for Attachment Plugs, Cord Connectors and Receptacles - Enclosure Types for Environmental Protection (new standard)

The proposed first edition of the Standard for Attachment Plugs, Cord Connectors and Receptacles - Enclosure Types for Environmental Protection, UL 498E, covers an enclosure rating system for attachment plugs, receptacles, inlets, and cord connectors provided with an enclosure intended for use in various environmental applications.

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 498F-202x, Standard for Safety for Plugs, Socket-Outlets and Couplers with Arcuate (Locking Type) Contacts (new standard)

The proposed first edition of the Standard for Plugs, Socket-Outlets and Couplers with Arcuate (Locking Type) Contacts, UL 498F, covers plugs, socket outlets (receptacles), couplers, cord connectors, and inlets, with arcuate contacts (locking-type configurations), rated 20 or 30 A grounding type only. All intended for connection to a branch circuit for use in accordance with the National Electrical Code, ANSI/NFPA 70.

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 498M-202x, Standard for Safety for Marine Shore Power Inlets (new standard)

The proposed first edition of the Standard for Marine Shore Power Inlets covers marine shore power inlets rated at not less than 20 A and not more than 50 A, 250 V maximum. These devices are intended for use with marine shore power cable sets to extend the shore power supply from a shore-installed power outlet to a boat, in accordance with the applicable requirements in the American Boat and Yacht Council (ABYC), Std. E-8 -1985, National Fire Protection Association Standard for Pleasure and Commercial Motor Craft, NFPA No. 302-1987, and the United States Coast Guard (USCG) Regulations Title 33, Chapter 1, CFR, Part 183.

Single copy price: Free

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

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

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

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 498-202x, Standard for Safety for Attachment Plugs and Receptacles (revision of ANSI/UL 498-2016)

This proposal for UL 498 covers: (1) Addition of Requirements for Markings and Instructions as New Paragraph 193.1.1.1.

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 2586-202x, Standard for Hose Nozzle Valves for Flammable and Combustible Liquids (revision of ANSI/UL 2586-2014)

The following is being proposed: Joint Standard for Hose Nozzle Valves for Flammable and Combustible Liquids, Bi-National standard for UL/ULC 2586, using UL 2586 and ULC-S620.

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>

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.

CTA (Consumer Technology Association)

ANSI/CTA 852.1-A-2014 (R2019), Enhanced Protocol for Tunneling Component Network Protocols over Internet Protocol Channels

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

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.

3-A (3-A Sanitary Standards, Inc.)

Contact: Eric Schweitzer
Phone (703) 790-0295
E-mail: erics@3-a.org
Office: 6888 Elm Street
 Suite 2D
 McLean, VA 22101-3829

BSR/3A 00-02-202x, 3-A Sanitary Standard for General Requirements (revision and redesignation of ANSI/3A 00-01-2018)

AAMI (Association for the Advancement of Medical Instrumentation)

Contact: Cliff Bernier
Phone (703) 253-8263
E-mail: cbernier@aami.org
Office: 901 N. Glebe Road, Suite 300
 Arlington, VA 22203

BSR/AAMI/ISO 8637-1-202x, Extracorporeal systems for blood purification - Part 1: Haemodialysers, haemodiafilters, haemofilters and haemoconcentrators (identical national adoption of ISO 8637-1 and revision of ANSI/AAMI/ISO 8637-2010 (R2015), AM1-2013 (R2015))

BSR/AAMI/ISO 8637-2-202x, Extracorporeal systems for blood purification - Part 2: Extracorporeal blood circuit for haemodialysers, haemodiafilters and haemofilters (identical national adoption of ISO 8637-2 and revision of ANSI/AAMI/ISO 8638-2010 (R2015))

BSR/AAMI/ISO 8637-3-202x, Extracorporeal systems for blood purification - Part 3: Plasma Filters (identical national adoption of ISO 8637-3:2018)

ASA (ASC S12) (Acoustical Society of America)

Contact: Nancy Blair-DeLeon
Phone (516) 576-2341
E-mail: standards@acousticalsociety.org
Office: 1305 Walt Whitman Road
 Suite 300
 Melville, NY 11747

BSR ASA S12.5-2016/ISO 6926-2016 (R202x), Acoustics - Requirements for the Performance and Calibration of Reference Sound Sources Used for the Determination of Sound Power Levels (reaffirmation of ANSI ASA S12.5-2016/ISO 6926-2016)

BSR ASA S12.51-2012/ISO 3741-2010 (R202x), Acoustics - Determination of sound power levels and sound energy levels of noise sources using sound pressure - Precision methods for reverberation test rooms (reaffirmation of ANSI ASA S12.51-2012/ISO 3741-2010 (R2017))

BSR ASA S12.75-2012 (R202x), Methods for the Measurement of Noise Emissions from High Performance Military Jet Aircraft (reaffirmation of ANSI ASA S12.75-2012)

BSR ASA S12.9-2016/Part 7 (R202x), Quantities and Procedures for Description and Measurement of Environmental Sound, Part 7: Measurement of Low Frequency Noise and Infrasound Outdoors in the Presence of Wind and Indoors in Occupied Spaces (reaffirmation of ANSI ASA S12.9-2016/Part 7)

BSR/ASA S12.1-1983 (R202x), Guidelines for the Preparation of Standard Procedures to Determine the Noise Emission from Sources (reaffirmation of ANSI/ASA S12.1-1983 (R2016))

BSR/ASA S12.3-1985 (R202x), Statistical Methods for Determining and Verifying Stated Noise Emission Values of Machinery and Equipment (reaffirmation of ANSI/ASA S12.3-1985 (R2016))

BSR/ASA S12.6-2016 (R202x), Methods for Measuring the Real-Ear Attenuation of Hearing Protectors (reaffirmation of ANSI/ASA S12.6-2016)

- BSR/ASA S12.7-1986 (R202x), Methods for Measurement of Impulse Noise (reaffirmation of ANSI/ASA S12.7-1986 (R2015))
- BSR/ASA S12.8-1998 (R202x, Standard Methods for Determining the Insertion Loss of Outdoor Noise Barriers (reaffirmation of ANSI/ASA S12.8-1998 (R2013))
- BSR/ASA S12.9-2005/Part 4 (R202x), Quantities and Procedures for Description and Measurement of Environmental Sound - Part 4: Noise Assessment and Prediction of Long-Term Community Response (reaffirmation of ANSI/ASA S12.9-2005/Part 4 (R2015))
- BSR/ASA S12.9-2007/Part 5 (R202x), Quantities and Procedures for Description and Measurement of Environmental Sound - Part 5: Sound Level Descriptors for Determination of Compatible Land Use (reaffirmation of ANSI/ASA S12.9-2007/Part 5 (R2017))
- BSR/ASA S12.10-2010/Part 1 (R202x), Acoustics - Measurement of Airborne Noise Emitted by Information Technology and Telecommunications Equipment - Part 1: Determination of Sound Power Level and Emission Sound Pressure Level (reaffirmation of ANSI/ASA S12.10-2010/Part 1)
- BSR/ASA S12.10-2011/Part 2 (R202x), Acoustics - Measurement of Airborne Noise Emitted by Information Technology and Telecommunications Equipment - Part 2: Declaration of Noise Emission Levels (reaffirmation of ANSI/ASA S12.10-2011/Part 2)
- BSR/ASA S12.12-1992 (R202x), Engineering Method for the Determination of Sound Power Levels of Noise Sources Using Sound Intensity (reaffirmation of ANSI/ASA S12.12-1992 (R2017))
- BSR/ASA S12.14-1992 (R202x), Methods for the Field Measurement of the Sound Output of Audible Public Warning Devices Installed at Fixed Locations Outdoors (reaffirmation of ANSI/ASA S12.14-1992 (R2012))
- BSR/ASA S12.15-1992 (2016) (R202x), Acoustics - Portable Electric Power Tools, Stationary and Fixed Electric Power Tools, and Gardening Appliances - Measurement of Sound Emitted (reaffirmation of ANSI/ASA S12.15-1992 (2016))
- BSR/ASA S12.17-1996 (R202x), Impulse Sound Propagation for Environmental Noise Assessment (reaffirmation of ANSI/ASA S12.17-1996 (R2016))
- BSR/ASA S12.19-1996 (R202x), Measurement of Occupational Noise Exposure (reaffirmation of ANSI/ASA S12.19-1996 (R2016))
- BSR/ASA S12.23-1989 (R202x), Method for the Designation of Sound Power Emitted by Machinery and Equipment (reaffirmation of ANSI/ASA S12.23-1989 (R2016))
- BSR/ASA S12.43-1997 (R202x), Methods for Measurement of Sound Emitted by Machinery and Equipment at Workstations and Other Specified Positions (reaffirmation of ANSI/ASA S12.43-1997 (R2017))
- BSR/ASA S12.44-1997 (R202x), Standard Methods for Calculation of Sound Emitted by Machinery and Equipment at Workstations and Other Specified Positions from Sound Power Level (reaffirmation of ANSI/ASA S12.44-1997 (R2017))
- BSR/ASA S12.50-2002/ISO 3740-2000 (R202x), Acoustics - Determination of sound power levels of noise sources - Guidelines for the use of basic standards (reaffirm a national adoption ANSI/ASA S12.50-2002/ISO 3740-2000 (R2017))
- BSR/ASA S12.53-1999/Part 2/ISO 3743-2-1994 (R202x), Acoustics - Determination of sound power levels of noise sources using sound pressure - Engineering methods for small, movable sources in reverberant fields - Part 2: Methods for special reverberation test rooms. (reaffirm a national adoption ANSI/ASA S12.53-1999/Part 2/ISO 3743-2-1994 (R2015))
- BSR/ASA S12.53-2011/Part 1/ISO 3743-1:2010 (R202x), Acoustics - Determination of sound power levels and sound energy levels of noise sources using sound pressure - Engineering methods for small movable sources in reverberant fields - Part 1: Comparison method for a hard-walled test room (reaffirm a national adoption ANSI/ASA S12.53-2011/Part 1/ISO 3743-1:2010 (R2016))
- BSR/ASA S12.54-2011/ISO 3744-2010 (R202x), Acoustics - Determination of sound power levels and sound energy levels of noise sources using sound pressure - Engineering methods for an essentially free field over a reflecting plane (reaffirm a national adoption ANSI/ASA S12.54-2011/ISO 3744-2010 (R2016))
- BSR/ASA S12.56-2011/ISO 3746:2010 (R202x), Acoustics - Determination of sound power levels and sound energy levels of noise sources using sound pressure - Survey method using an enveloping measurement surface over a reflecting plane (reaffirm a national adoption ANSI/ASA S12.56-2011/ISO 3746:2010 (R2016))

BSR/ASA S12.57-2011/ISO 3747-2010 (R202x), Acoustics - Determination of sound power levels and sound energy levels of noise sources using sound pressure - Engineering/survey methods for use in situ in a reverberant environment (reaffirm a national adoption ANSI/ASA S12.57-2011/ISO 3747-2010 (R2016))

BSR/ASA S12.62-2012/ISO 9613-2:1996 (MOD) (R202x), Acoustics - Attenuation of sound during propagation outdoors - Part 2: General method of calculation (a modified nationally adopted international standard) (reaffirmation of ANSI/ASA S12.62-2012/ISO 9613-2:1996 (MOD) (R2017))

BSR/ASA S12.65-2006 (R202x), Rating Noise with Respect to Speech Interference (reaffirmation of ANSI/ASA S12.65-2006 (R2011))

BSR/ASA S12.67-2008 (R202x), Pre-Installation Airborne Sound Measurements and Acceptance Criteria of Shipboard Equipment (reaffirmation of ANSI/ASA S12.67-2008 (R2013))

BSR/ASA S12.68-2007 (R202x), Methods of Estimating Effective A-Weighted Sound Pressure Levels When Hearing Protectors are Worn (reaffirmation of ANSI/ASA S12.68-2007 (R2017))

BSR/ASA S12.69-2010 (R202x), Procedure for Testing Railroad Horns ex situ (reaffirmation of ANSI/ASA S12.69-2010 (R2015))

BSR/ASA S12.70-2016 (R202x), Criteria for Evaluating Speech Privacy in Health Care Facilities (reaffirmation of ANSI/ASA S12.70-2016)

BSR/ASA S12.72-2015 (R202x), Procedure for Measuring the Ambient Noise Level in a Room (reaffirmation of ANSI/ASA S12.72-2015)

BSR/ASA S12.76-2017 (R202x), Methods for Measurement of Supersonic Jet Noise from Uninstalled Military Aircraft Engines (reaffirmation of ANSI/ASA S12.76-2017)

BSR/ASA S12.60/Part 1-2010 (R202x), Standard Acoustical Performance Criteria, Design Requirements, and Guidelines for Schools - Part 1: Permanent Schools (reaffirmation of ANSI/ASA S12.60/Part 1-2010 (R2015))

ASA (ASC S3) (Acoustical Society of America)

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BSR ASA S3.22-2014 (R202x), Specification of Hearing Aid Characteristics (reaffirmation of ANSI ASA S3.22-2014)

BSR ASA S3.41-2015 (R202x), Audible Emergency Evacuation (E2) and Evacuation Signals with Relocation Instructions (ESRI) (reaffirmation of ANSI ASA S3.41-2015)

BSR ASA S3.52-2016 (R202x), Measurements of the Threshold of Hearing and Signal Detectability in a Sound Field (reaffirmation of ANSI ASA S3.52-2016)

BSR ASA S3.7-2016 (R202x), Method for Measurement and Calibration of Earphones (reaffirmation of ANSI ASA S3.7-2016)

BSR/ASA S3.2-2009 (R202x), Method for Measuring the Intelligibility of Speech over Communication Systems (reaffirmation of ANSI/ASA S3.2-2009 (R2014))

BSR/ASA S3.4-2007 (R202x), Procedure for the Computation of Loudness of Steady Sounds (reaffirmation of ANSI/ASA S3.4-2007 (R2017))

BSR/ASA S3.5-1997 (R202x), Methods for Calculation of the Speech Intelligibility Index (reaffirmation of ANSI/ASA S3.5-1997 (R2017))

BSR/ASA S3.13-1987 (R202x), Mechanical Coupler for Measurement of Bone Vibrators (reaffirmation of ANSI/ASA S3.13-1987 (R2012))

BSR/ASA S3.20-2015 (R202x), Bioacoustical Terminology (reaffirmation of ANSI/ASA S3.20-2015)

BSR/ASA S3.35-2010 (R202x), Method of Measurement of Performance Characteristics of Hearing Aids Under Simulated Real-Ear Working Conditions (reaffirmation of ANSI/ASA S3.35-2010 (R2015))

BSR/ASA S3.37-1987 (R202x), Preferred Earhook Nozzle Thread for Postauricular Hearing Aids (reaffirmation of ANSI/ASA S3.37-1987 (R2017))

BSR/ASA S3.39-1987 (R202x), Specifications for Instruments to Measure Aural Acoustic Impedance and Admittance (Aural Acoustic Immittance) (reaffirmation of ANSI/ASA S3.39-1987 (R2012))

BSR/ASA S3.42-1992/Part 1 (R202x), Testing Hearing Aids with a Broadband Noise Signal (reaffirmation of ANSI/ASA S3.42-1992/Part 1 (R2017))

BSR/ASA S3.42-2012/Part 2/IEC 60118-15:2012 (R202x), Testing Hearing Aids - Part 2: Methods for characterizing signal processing in hearing aids with a speech-like signal (a nationally adopted international standard) (reaffirm a national adoption ANSI/ASA S3.42-2012/Part 2/IEC 60118-15:2012 (R2017))

BSR/ASA S3.44-2016/Part 1/ISO 1999-2013 (MOD) (R202x), Estimation of Noise-induced Hearing Loss - Part 1: Method for Calculating Expected Noise-Induced Permanent Threshold Shift (a modified nationally adopted international standard) (reaffirm a national adoption ANSI/ASA S3.44-2016/Part 1/ISO 1999-2013 (MOD))

BSR/ASA S3.55-2015/Part 3/IEC 60318-3:2015 (R202x), Electroacoustics - Simulators of Human Head and Ear - Part 3: Acoustic Coupler for the Calibration of Supra-aural Earphones Used in Audiometry (reaffirm a national adoption ANSI/ASA S3.55-2015/Part 3/IEC 60318-3:2015)

BSR/ASA S3/SC1.100-2014/BSR/ASA S12.100-2014 (R202x), Methods to Define and Measure the Residual Sound in Protected Natural and Quiet Residential Areas (reaffirmation of ANSI/ASA S3/SC1.100-2014/ANSI/ASA S12.100-2014)

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

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BSR/ASHRAE Standard 41.7-202x, Standard Methods for Gas Flow Measurement (revision of ANSI/ASHRAE Standard 41.7-2015 (R2018))

BSR/ASHRAE Standard 41.9-202x, Standard Methods for Refrigerant Mass Flow Measurements Using Calorimeters (revision of ANSI/ASHRAE Standard 41.9-2018)

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

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BSR/ASSP A10.30-202X, Safety Requirements for the Installation of Anchors and Micropiles (new standard)

ECIA (Electronic Components Industry Association)

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BSR/EIA 575-C-202x, Resistors, Thick Film Rectangular SMD on Ceramic (revision and redesignation of ANSI/EIA 575-B-2014)

BSR/EIA 576-C-202x, Resistors, Thin Film Rectangular SMD on Ceramic (revision and redesignation of ANSI/EIA/ECA-576-B-2014)

BSR/EIA 703-B-202x, General Resistor Stress Test Qualification Specification (new standard)

BSR/EIA 886-B-202x, Resistors, Thick Film Array on Ceramic (revision and redesignation of ANSI/EIA 886-A-2014)

IES (Illuminating Engineering Society)

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BSR/IES LS-5-202x, Lighting Science: Color (new standard)

BSR/IES TM-24-202x, Lighting Science: An Optional Method for Adjusting the Recommended Illuminance for Visually Demanding Tasks within IES Illuminance Categories P through Y Based on Light Source Spectrum (new standard)

LES (Licensing Executives Society (U.S. and Canada))

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BSR/LES IPSC.001.1-202x, Management System for the Protection of Intellectual Property in the Supply Chain - Requirements (new standard)

NSF (NSF International)

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BSR/NSF 40-202x (i35r3), Residential Wastewater Treatment Systems (revision of ANSI/NSF 40-2018)

BSR/NSF 245-202x (i17r3), Residential Wastewater Treatment Systems - Nitrogen Reduction (revision of ANSI/NSF 245-2018)

BSR/NSF 350-202x (i48r3), Onsite Residential and Commercial Water Reuse Treatment Systems (revision of ANSI/NSF 350-2019)

BSR/NSF/CAN 50-202x (i161r1), Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and Other Recreational Water Facilities (revision of ANSI/NSF/CAN 50-2019)

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BSR/NSF 42-202x (i102r1), Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2019)

BSR/NSF/CAN 61-202x (i154r1), Drinking Water System Components - Health Effects (revision of ANSI/NSF/CAN 61-2019)

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BSR/NSF 455-2-202x (i5r1), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455-2-2019)

TAPPI (Technical Association of the Pulp and Paper Industry)

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BSR/TAPPI T 211 om-202x, Ash in wood, pulp, paper and paperboard: combustion at 525°C (new standard)

BSR/TAPPI T 220 sp-202x, Physical testing of pulp handsheets (new standard)

BSR/TAPPI T 252 om-202x, pH and electrical conductivity of hot water extracts of pulp, paper, and paperboard (new standard)

BSR/TAPPI T 258 om-202x, Basic density and moisture content of pulpwood (new standard)

BSR/TAPPI T 263 sp-202x, Identification of wood and fibers from conifers (new standard)

BSR/TAPPI T 412 om-202x, Moisture in pulp, paper and paperboard (new standard)

BSR/TAPPI T 425 om-202x, Opacity of paper (15/d geometry, illuminant A/2°, 89% reflectance backing and paper backing) (new standard)

BSR/TAPPI T 435 om-202x, Hydrogen ion concentration (pH) of paper extracts (hot extraction method) (new standard)

BSR/TAPPI T 460 om-202x, Air resistance of paper (Gurley method) (new standard)

BSR/TAPPI T 465 sp-202x, Static creasing of paper for water vapor transmission tests (new standard)

BSR/TAPPI T 476 om-202x, Abrasion loss of paper and paperboard (Taber-type method) (new standard)

BSR/TAPPI T 537 om-202x, Dirt count in paper and paperboard (optical character recognition - OCR) (new standard)

BSR/TAPPI T 538 om-202x, Roughness of paper and paperboard (Sheffield method) (new standard)

- BSR/TAPPI T 543 om-202x, Bending resistance of paper (Gurley-type tester) (new standard)
- BSR/TAPPI T 556 om-202x, Bending resistance of paper and paperboard by single-point bending method (new standard)
- BSR/TAPPI T 564 sp-202x, Transparent chart for the estimation of defect size (new standard)
- BSR/TAPPI T 578 sp-202x, Accelerated light aging of printing and writing paper by xenon-arc exposure apparatus (new standard)
- BSR/TAPPI T 631 om-202x, Microbiological enumeration of process water and slush pulp (new standard)
- BSR/TAPPI T 807 om-202x, Bursting strength of linerboard (new standard)
- BSR/TAPPI T 822 om-202x, Ring crush of paperboard (rigid support method) (new standard)
- BSR/TAPPI T 1009 om-202x, Tensile strength and elongation at break for fiber glass mats (new standard)

Call for Members (ANS Consensus Bodies)

Call for Members

GTESS

GTESS is forming a new Consensus Board for the standards development organization (SDO). The scope of the GTESS SDO is “Standards and related documents relative to energy management systems”.

GTESS actively works with scheme owners and interested parties in the development of energy management related standards to promote energy efficiency, energy security, and sustainability practices such as management of greenhouse gas emissions. The Consensus Board serves as oversight for the standards developed to support U.S. standards such as ANSI/MSE 50028-1 on the Superior Energy Performance Program. It also works with the GTESS accredited Technical Advisory Group (TAG) to ISO TC 301 Energy management and energy savings in matters related to the adoption of National Standards from ISO TC 301. We invite those directly and materially interested in any interest category to enquire. Please contact deann.desai@gatech.edu to find out more about participating

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.

AGA (ASC B109) (American Gas Association)

New Standard

ANSI B109.2-2020, Diaphragm-Type Gas Displacement Meters (500 Cubic Feet per Hour Capacity and Over) (new standard): 3/16/2020

AMCA (Air Movement and Control Association)

Revision

ANSI/AMCA Standard 204-2020, Balance Quality and Vibration Level for Fans (revision and redesignation of ANSI/AMCA 204-2005 (R2012)): 3/19/2020

ANS (American Nuclear Society)

New Standard

ANSI/ANS 54.1-2020, Nuclear Safety Criteria and Design Process for Liquid-Metal-Cooled Nuclear Power Plants (new standard): 3/23/2020

ASABE (American Society of Agricultural and Biological Engineers)

New Standard

ANSI/ASABE S648-1 MONYEAR-2020, Agricultural Field Equipment Braking - Part 1: General Requirements (new standard): 3/19/2020

ANSI/ASABE S648-2 MONYEAR-2020, Agricultural Field Equipment Braking - Part 2: Requirements for Agricultural Tractors (new standard): 3/19/2020

ANSI/ASABE S648-3 MONYEAR-2020, Agricultural Field Equipment Braking - Part 3: Requirements for Self-Propelled and Special Self-Propelled Machines (new standard): 3/19/2020

ANSI/ASABE S648-4 MONYEAR-2020, Agricultural Field Equipment Braking - Part 4: Requirements for Towed Vehicles (new standard): 3/19/2020

ANSI/ASABE S648-5 MONYEAR-2020, Agricultural Field Equipment Braking - Part 5: Requirements for the Interface between Towing Vehicle and Towed Vehicles (new standard): 3/19/2020

ASME (American Society of Mechanical Engineers)

New Standard

ANSI/ASME PTC 52-2020, Concentrated Solar Power Plants (new standard): 3/23/2020

Revision

ANSI/ASME B73.1-2020, Specification for Horizontal End Suction Centrifugal Pumps for Chemical Process (revision of ANSI/ASME B73.1-2012): 3/19/2020

ANSI/ASME RAM-1-2020, Reliability, Availability, and Maintainability of Equipment and Systems in Power Plants (revision of ANSI/ASME RAM-1-2013): 3/19/2020

ATIS (Alliance for Telecommunications Industry Solutions)

Reaffirmation

ANSI/ATIS 0600315.01-2015 (R2020), Voltage Levels for 380 V DC-Powered Equipment Used in the Telecommunications Environment (reaffirmation of ANSI/ATIS 0600315.01-2015): 3/19/2020

ANSI/ATIS 1000013.v2-2015 (R2020), Lawfully Authorized Electronic Surveillance (LAES) for Internet Access and Services (reaffirmation of ANSI/ATIS 1000013.v2-2015): 3/23/2020

ANSI/ATIS 1000061-2015 (R2020), LTE Access Class 14 for National Security and Emergency Preparedness (NS/EP) Communications (reaffirmation of ANSI/ATIS 1000061-2015): 3/23/2020

ANSI/ATIS 1000065-2015 (R2020), ETS EPC Network Element Requirements (reaffirmation of ANSI/ATIS 1000065-2015): 3/23/2020

ANSI/ATIS 1000067-2015 (R2020), IP NGN Enhanced Calling Name (eCNAM) (reaffirmation of ANSI/ATIS 1000067-2015): 3/23/2020

ANSI/ATIS 1000113-2015 (R2020), Signaling System No. 7 - ISDN User Part (reaffirmation of ANSI/ATIS 1000113-2015): 3/23/2020

ANSI/ATIS 1000678.v3-2015 (R2020), Lawfully Authorized Electronic Surveillance (LAES) for Voice over Packet Technologies in Wireline Telecommunications Networks, Version 3 (reaffirmation of ANSI/ATIS 1000678.v3-2015): 3/23/2020

ANSI/ATIS 1000679-2015 (R2020), Interworking between Session Initiation Protocol (SIP) and ISDN User Part (reaffirmation of ANSI/ATIS 1000679-2015): 3/23/2020

Stabilized Maintenance

ANSI/ATIS 0600026-2010 (S2020), Network End POTS Splitter Requirements (stabilized maintenance of ANSI/ATIS 0600026-2010 (R2015)): 3/19/2020

ANSI/ATIS 0700703-1995 (S2020), Allocation of Letters to the Keys of Numeric Keypads for Telecommunications (stabilized maintenance of ANSI/ATIS 0700703-1995 (R2015)): 3/17/2020

ANSI/ATIS 0700714-2000 (S2020), Stage 2 Service Description for Personal Communications Service - Enhanced Priority Access and Channel Assignment (PACA-F) Supplementary Service (stabilized maintenance of ANSI/ATIS 0700714-2000 (R2015)): 3/17/2020

Withdrawal

ANSI ATIS 0600019-2014, Test Requirements for Pb-Free Subassembly Modules (withdrawal of ANSI ATIS 0600019-2014): 3/19/2020

ANSI ATIS 0600020-2014, Test Requirements for Pb-free Circuit Packs (withdrawal of ANSI ATIS 0600020-2014): 3/19/2020

AWS (American Welding Society)

New Standard

ANSI/AWS B2.1-1-002-2020, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding of Carbon Steel, (M-1/P-1, Group 1 or 2), 3/16 inch [5 mm] through 7/8 inch [22 mm], ER70S-2, ER70S-3, in the As-Welded Condition, Primarily Plate and Structural Applications (new standard): 3/16/2020

ANSI/AWS NAVSEA B2.1-1-303-2020, Standard Welding Procedure

Specification for Naval Applications (SWPS-N) for Gas Tungsten Arc Welding Followed by Shielded Metal Arc Welding of Carbon Steel (S-1), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, MIL-70S-2 and MIL-7018-M, in the As-Welded or PWHT Condition, Primarily Plate and Structural Naval Applications (new standard): 3/16/2020

ANSI/AWS NAVSEA B2.1-1-313-2020, Standard Welding Procedure

Specification for Naval Applications (SWPS-N) for Gas Tungsten Arc Welding Followed by Shielded Metal Arc Welding of Carbon Steel (S-1), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, MIL-70S-2 and MIL-7018-M, in the As-Welded or PWHT Condition, Primarily Pipe for Naval Applications (new standard): 3/16/2020

ANSI/AWS NAVSEA B2.1-1/8-323-2020, Standard Welding Procedure

Specification for Naval Applications (SWPS-N) for Gas Tungsten Arc Welding of Carbon Steel (S-1) to Austenitic Stainless Steel (S-8), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, MIL-309, ER309L, in the As-Welded Condition, Primarily Pipe for Naval Applications (new standard): 3/16/2020

ANSI/AWS NAVSEA B2.1-1/8-324-2020, Standard Welding Procedure

Specification for Naval Applications (SWPS-N) for Shielded Metal Arc Welding of Carbon Steel (S-1) to Austenitic Stainless Steel (S-8), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, MIL-309-XX, MIL-309L-XX, in the As-Welded Condition, Primarily Pipe for Naval Applications (new standard): 3/16/2020

ANSI/AWS NAVSEA B2.1-1/8-325-2020, Standard Welding Procedure

Specification for Naval Applications (SWPS-N) for Gas Tungsten Arc Welding Followed by Shielded Metal Arc Welding of Carbon Steel (S-1) to Austenitic Stainless Steel (S-8), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, MIL-309/ER309L and MIL-309-XX/MIL-309L-XX, in the As-Welded Condition, Primarily Pipe for Naval Applications (new standard): 3/16/2020

ANSI/AWS NAVSEA B2.1-8-310-2020, Standard Welding Procedure

Specification for Naval Applications (SWPS-N) for Gas Tungsten Arc Welding Followed by Shielded Metal Arc Welding of Austenitic Stainless Steel (S-8), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, MIL-3XX and MIL-3XX-XX, in the As-Welded Condition, Primarily Plate and Structural Naval Applications (new standard): 3/16/2020

ANSI/AWS NAVSEA B2.1-8-320-2020, Standard Welding Procedure

Specification for Naval Applications (SWPS-N) for Gas Tungsten Arc Welding Followed by Shielded Metal Arc Welding of Austenitic Stainless Steel (S-8), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, MIL-3XX and MIL-3XX-XX, in the As-Welded Condition, Primarily Pipe for Naval Applications (new standard): 3/16/2020

AWWA (American Water Works Association)

Revision

ANSI/AWWA C229-2020, Fusion-Bonded Polyethylene Coatings for Steel Water Pipe and Fittings (revision of ANSI/AWWA C229-2014): 3/20/2020

BOMA (Building Owners and Managers Association)

Revision

ANSI/BOMA Z65.2-2020, BOMA 2019 for Industrial Buildings: Standard Methods of Measurement (revision of ANSI/BOMA Z65.2-2012): 3/19/2020

CEMA (Conveyor Equipment Manufacturers Association)

Reaffirmation

ANSI/CEMA Standard No. 403-2003 (R2015), Belt Driven Live Roller Conveyors (reaffirmation and redesignation of ANSI/CEMA 403-2003 (R2015)): 3/19/2020

ANSI/CEMA Standard No. 404-2003 (R2020), Chain Driven Live Roller Conveyors (reaffirmation and redesignation of ANSI/CEMA 404-2003 (R2015)): 3/19/2020

ANSI/CEMA Standard No. 405-2003 (R2020), Slat Conveyors (reaffirmation and redesignation of ANSI/CEMA 405-2003 (R2015)): 3/19/2020

Revision

ANSI/CEMA Standard No. 401-2020, Roller Conveyors - Non-Powered (revision and redesignation of ANSI/CEMA 401-2003 (R2015)): 3/19/2020

ANSI/CEMA Standard No. 406-2020, Lineshaft Driven Live Roller Conveyors (revision and redesignation of ANSI/CEMA 406-2003 (R2015)): 3/19/2020

ANSI/CEMA Standard No. 550-2020, Classification and Definitions of Bulk Materials (revision and redesignation of ANSI/CEMA 550-2003 (R2015)): 3/17/2020

CSA (CSA America Standards Inc.)

Reaffirmation

ANSI Z21.81-2005/CSA 6.25-2005 (R2015), Cylinder Connection Devices (same as CSA 6.25) (reaffirmation of ANSI Z21.81-2004 (R2015), Z21.81a-2006 (R2015)): 3/17/2020

Revision

ANSI/CSA NGV 3.1-2020, Fuel system components for compressed natural gas powered vehicles (revision of ANSI/CSA NGV 3.1/CSA 12.3-2014 (R2019)): 3/17/2020

ANSI/PRD 1-2020, Pressure relief devices for natural gas vehicle (NGV) fuel containers (revision of ANSI/PRD 1-2013 (R2018)): 3/17/2020

ESTA (Entertainment Services and Technology Association)

Reaffirmation

ANSI E1.17-2015 (R2020), Entertainment Technology - Architecture for Control Networks (ACN) (reaffirmation of ANSI E1.17-2015): 3/23/2020

Revision

ANSI/E1.21-2020, Entertainment Technology - Temporary Structures Used for Technical Production of Outdoor Entertainment Events (revision of ANSI E1.21-2013): 3/23/2020

HL7 (Health Level Seven)

New Standard

ANSI/HL7 EHRS IFP, R1-2020, HL7 EHRS-FM Release 2: Immunization Functional Profile, Release 1 (new standard): 3/17/2020

IES (Illuminating Engineering Society)

New Standard

ANSI/IES LM-41-2020, Approved Method: Photometric Testing of Indoor Fluorescent Luminaires (new standard): 3/19/2020

ANSI/IES LM-48-2020, Approved Method: Testing the Calibration of Locking-Type Photoelectric Control Devices Used in Outdoor Applications (new standard): 3/19/2020

ANSI/IES LM-66-2020, Approved Method: Electrical and Photometric Measurements of Single-Based Fluorescent Lamps (new standard): 3/23/2020

ANSI/IES LM-84-2020, Approved Method: Measuring Luminous, Radiant, and Photon Flux; and Color and Aspects of Spectral Maintenance of LED Lamps, Light Engines, and Luminaires (new standard): 3/23/2020

ANSI/IES RP-9-2020, Recommended Practice: Lighting Hospitality Spaces (new standard): 3/19/2020

ANSI/IES RP-41-2020, Recommended Practice: Lighting Theatre and Auditorium Spaces (new standard): 3/23/2020

Revision

ANSI/IES RP-7-2020, Recommended Practice: Lighting Industrial Facilities (revision of ANSI/IES RP-7-2017): 3/23/2020

ANSI/IES RP-29-2020, Recommended Practice: Lighting Hospital and Healthcare Facilities (revision of ANSI/IES RP-29-2016): 3/23/2020

ANSI/IES RP-30-2020, Recommended Practice: Lighting Museums (revision of ANSI/IES RP-30-16): 3/20/2020

NEMA (ASC C136) (National Electrical Manufacturers Association)

Stabilized Maintenance

ANSI C136.26-2010 (S2020), Troubleshooting Guide for High-Intensity Discharge (HID) Luminaires (stabilized maintenance of ANSI C136.26-2010 (R2015)): 3/19/2020

RESNET (Residential Energy Services Network, Inc.)

New Standard

ANSI/RESNET/ICC 850-2020, Standard for the Calculation and Labeling of the Water Use Performance of One- and Two-Family Dwellings Using the Water Rating Index (new standard): 3/23/2020

TIA (Telecommunications Industry Association)

Reaffirmation

ANSI/TIA 1005-A-2012 (R2020), Telecommunications Infrastructure Standard For Industrial Premises (reaffirmation of ANSI/TIA 1005-A-2012): 3/17/2020

UL (Underwriters Laboratories, Inc.)

Reaffirmation

ANSI/UL 9-2015 (R2020), Standard for Fire Tests of Window Assemblies (reaffirmation of ANSI/UL 9-2015): 3/20/2020

Revision

ANSI/UL 1727-2020, Standard for Safety for Commercial Electric Personal Grooming Appliances (revision of ANSI/UL 1727-2012 (R2017)): 3/23/2020

Project Initiation Notification System (PINS)

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

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

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

3-A (3-A Sanitary Standards, Inc.)

Contact: Eric Schweitzer, (703) 790-0295, erics@3-a.org
6888 Elm Street, Suite 2D, McLean, VA 22101-3829

Revision

BSR/3A 00-02-202x, 3-A Sanitary Standard for General Requirements (revision and redesignation of ANSI/3A 00-01-2018)

Stakeholders: Food, beverage, and dairy equipment manufacturers; food, beverage, and dairy equipment processors; state and federal regulatory sanitarians.

Project Need: Review of comments and proposals to revise and redesignate current ANS.

This 3-A Sanitary Standard defines the general requirements for sanitary (hygienic) equipment intended for processing milk, milk products, foods, food ingredients, beverages, or other edible materials. This standard is not intended to be submitted for consideration as an ISO, IEC, or ISO/IEC JTC-1 standard.

ABYC (American Boat and Yacht Council)

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

Revision

BSR/ABYC EDU-2-202x, Skill-Based Human-Propelled Standard (revision of ANSI/ABYC EDU-2-2016)

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

Project Need: To establish the national consensus-based standard for use by course providers for course design and student assessment to raise the overall level of quality, availability, and consistency of entry-level on-water, skill-based instruction in human-propelled recreational boat operation.

This is the core voluntary standard designed to apply to entry-level human-propelled on-water skills based courses in the US, US territories, and District of Columbia and that functions within a national system of standards for recreational boat operation.

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

Contact: Megan Bixler, 571-289-7402, Bixlerm@apointl.org
351 N. Williamson Boulevard, Daytona Beach, FL 32114

Revision

BSR/APCO/NENA ANS 1.105.3-202x, Standard for Telecommunicator Emergency Response Taskforce (TERT) Deployment (revision and redesignation of ANSI/APCO/NENA 1.105.2-2015)

Stakeholders: Public safety communications users, producers, and general interest.

Project Need: Revision and redesignation of standard to assist Emergency Communications Centers (ECCs) and governing 9-1-1 authorities with the information required for developing, training, equipping, and deploying a standardized TERT team. TERT is the concept of communications-specific mutual aid between ECCs to provide trained ECC personnel during emergency situations. It is imperative that ECCs plan for emergency circumstances that adversely affect their ability to adequately staff their center.

This document includes information to provide guidance and helpful information regarding the development, maintenance, and deployment of a Telecommunicator Emergency Response Taskforce (TERT).

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

Contact: *Tanisha Meyers-Lisle, (678) 539-1111, tmlisle@ashrae.org*
1791 Tullie Circle NE, Atlanta, GA 30329

Revision

BSR/ASHRAE Standard 41.7-202x, Standard Methods for Gas Flow Measurement (revision of ANSI/ASHRAE Standard 41.7-2015 (R2018))

Stakeholders: Manufacturers of HVAC&R components and systems, test laboratories that test HVAC&R components and systems, consumers of HVAC&R components and systems, consumer product test laboratories that evaluate HVAC&R components and systems.

Project Need: The project need is to revise the current standard. Among other planned upgrades, the steady-state criteria requirements will be upgraded to match the requirements now used in the most recent 41-series PPR drafts.

This standard applies to laboratory and field gas flow measurement for testing heating, ventilating, air-conditioning, and refrigerating systems and components. This standard is restricted to applications where the entire flow stream of gas enters and exits the gas flowmeter in a "gas-only" state during data recording with the following exceptions: This standard does not apply to airflow measurements at pressures within this range: -25 kPa to +25 kPa (-100 in. of water to +100 in. of water) referenced to ambient pressure. Those measurements are within the scope of ASHRAE Standard 41.2. This standard does not apply to fan performance rating airflow measurements. Those measurements are within the scope of ASHRAE Standard 51. This standard does not apply to gaseous-phase refrigerant mass flow measurements where the gas flow includes circulating lubricant. Those measurements are within the scope of ASHRAE Standard 41.10.

BSR/ASHRAE Standard 41.9-202x, Standard Methods for Refrigerant Mass Flow Measurements Using Calorimeters (revision of ANSI/ASHRAE Standard 41.9-2018)

Stakeholders: Manufacturers of HVAC&R components and systems, test laboratories that test HVAC&R components and systems, consumers of HVAC&R components and systems, consumer product test laboratories that evaluate HVAC&R components and systems.

Project Need: The project need is to revise the current standard. Among other planned upgrades, the steady-state criteria requirements will be upgraded to match the requirements now used in the most recent 41-series PPR drafts.

This standard applies to measuring mass flow rates for refrigerants and refrigerant/lubricant mixtures using calorimeters in laboratories. This standard applies where the entire flow stream of the refrigerant or the refrigerant/lubricant mixture enters the calorimeter as a subcooled liquid and leaves as a superheated vapor (evaporator type). This standard applies where the entire flow stream of the refrigerant or the refrigerant/lubricant mixture enters the calorimeter as a superheated vapor and leaves as a subcooled liquid (condenser type).

HL7 (Health Level Seven)

Contact: *Karen Van Hentenryck, (734) 677-7777, Karenvan@HL7.org*
3300 Washtenaw Avenue, Suite 227, Ann Arbor, MI 48104

New Standard

BSR/HL7 CQLANG, R1-202x, HL7 Cross-Paradigm Specification: Clinical Quality Language, Release 1 (new standard)

Stakeholders: Measure authors, clinical decision support authors, measure implementers, clinical decision support systems implementers, EHR implementers, clinical quality regulators.

Project Need: To enable reuse of clinical quality logic within health quality measurement and improvement artifacts, as well as reduce the burden on systems implementers, a single expression language for clearly and completely describing health quality logic is required. This expression language must encompass the expressive capabilities present in QDM and the CDS KAS, which were previously harmonized and captured as conceptual requirements in the Health Quality Reasoning and Expression Logic document.

Clinical Quality Language (CQL) is a high-level, domain-specific language focused on clinical quality and targeted at measure and decision support artifact authors. In addition, this specification describes a machine-readable canonical representation called Expression Logical Model (ELM) targeted at implementations and designed to enable sharing of clinical knowledge.

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

Contact: Christopher White, (708) 995-3017, Chris.White@asse-plumbing.org

Revision

BSR/ASSE 1064-202x, Performance Requirements for Backflow Prevention Assembly Field Test Kits (revision of ANSI/ASSE 1064-2006 (R2011))

Stakeholders: Building owners, manufacturers, AHJs, plumbers, sprinkler fitters, backflow testers.

Project Need: The revision is necessary because of changes and improvements made to these test kits and because the standard has not been revised in a number of years.

Portable backflow prevention field test kits are used in testing the performance of backflow prevention assemblies. This standard covers the performance requirements and accuracy of a backflow test kit.

IEEE (Institute of Electrical and Electronics Engineers)

Contact: Lisa Weisser, (732) 981-2864, l.weisser@ieee.org

445 Hoes Lane, Piscataway, NJ 08854-4141

New Standard

BSR/IEEE 1765-202x, Trial-Use Recommended Practice for Estimating the Uncertainty in Error Vector Magnitude of Measured Digitally Modulated Signals for Wireless Communications (new standard)

Stakeholders: Stakeholders include wireless telecommunication organizations and standards bodies who perform measurements of digitally modulated signals, as well as instrument manufacturers.

Project Need: Many wireless telecommunication organizations and standards bodies require the calculation of various system-level distortion metrics to evaluate the quality of wireless circuits and systems when they are excited by digitally modulated signals. Such distortion metrics include error vector magnitude (EVM). The determination of these metrics always includes some uncertainty which should be well-characterized in order to correctly evaluate the quality of the measured signal. The recommended practices described here provide guidance in the evaluation of uncertainty in the determination of the EVM of a measured digitally modulated communication signal.

This document provides recommended practices for the determination of uncertainty in the estimation of error vector magnitude of a measured digitally modulated wireless communication signal.

BSR/IEEE 1865-202x, Specifications for Maintenance and Test of Distributed Control Systems in Thermal Power Stations: General Requirements and Definitions (new standard)

Stakeholders: The main stakeholders expected to benefit from the proposed standard are power plant operators, authorities, engineering contractors, and/or the public.

Project Need: A DCS is a dedicated computerized system used to control manufacturing processes in various industries. It is typically composed of functionally and/or geographically distributed digital controllers connected by networks for communication and monitoring. DCSs designed for power plants are generally integrated systems composed of computer systems and control devices for electricity-generating units. Recently, the widespread use and development of DCSs in such plants have significantly improved operational safety and production efficiency, and have reduced unnecessary costs by supplying reliable real-time data for decision-making. Due to the severe operational environments in power plants, ensuring proper operation and maintenance of DCSs is critical to the stable production performance of power plants. As a result, it is necessary to establish standard specifications for maintaining and testing distributed control systems in power plants.

This standard specifies the general requirements and definitions that are applicable to all maintenance and test of distributed control system (DCS) in thermal power stations.

BSR/IEEE 1921.1-202x, Standard for Software-Defined Networking (SDN) Bootstrapping Procedures (new standard)

Stakeholders: Telecom operators, service providers, and industrial vendors. Supporting organizations of this initiative currently include Huawei, Orange, and Telecom Italia.

Project Need: The design, delivery, and operation of connectivity services can be facilitated by Software-Defined Networking (SDN) architectures. These architectures rely upon a computation logic that makes various decisions such as resource allocation, including policy enforcement, as a function of the service to be delivered, operator's guidelines, available resources, underlying functional capabilities, and other considerations that include network-originated notifications. The proper operation of the SDN decision-making process therefore assumes an up-to-date, global view of the (network) resources and their status. Such information needs to be dynamically acquired and maintained over time. Feeding the SDN computation logic with a comprehensive description of all the resources that may be solicited for service delivery purposes is indeed critical for proper SDN bootstrapping operation. The SDN intelligence needs to dynamically acquire information about the nature of service functions (e.g., a network address translator, an IP route computation engine, a TCP optimizer, etc.), their location and status (e.g., idle, available, faulty, etc.). It is therefore of the utmost importance for an SDN controller to dynamically acquire the information that pertains to the network, its topology, its functional capabilities, inputs from other controllers (if present), and the service functions they support, as well as the status of such functions upon bootstrap.

This standard specifies a bootstrapping mechanism for Software-Defined Networking (SDN) architectures.

BSR/IEEE 2668-202x, Standard for Maturity Index of Internet-of-Things: Evaluation, Grading and Ranking (new standard)

Stakeholders: Manufacturers and users of IoT products, personal computers, enterprise networking devices, consumer electronic devices, home networking equipment, producers of industrial sensors, mobile devices, cellular operators, equipment manufacturers, vehicle manufacturers, private/public sectors, enterprise infrastructure providers, and wireless operators.

Project Need: Internet-of-Things (IoT) is a globally adopted concept and development trend in the smart city development. The number of IoT objects is forecast to proliferate exponentially. It is expected that the number of IoT objects will exceed 20 billion by 2020. Standardization to quantify the IoT maturity of objects will be a vital step to thrive the IoT market. Hitherto, up to this point, there is no standard to grade and rank IoT objects. This standard proposes a universal standard, namely IoT Index (IDex), for the evaluation of performance as well as grading and ranking of IoT objects. IDex will provide key indication on major performance of IoT objects. Moreover, IDex will aid consumers, companies and entities to compare, adopt, develop and select IoT products efficiently, thus proliferating efficiency and render contributions on reduction in reconciliation costs, efficiency of decision making, progress of international integration, and market integrity. Attention is drawn to the fact that IDex facilitates an international integration, blending, and innovation to evolve into better performance through its open platform for IoT objects.

The scope of this standard is to measure the maturity of objects in Internet-of-Things (IoT) environment, namely IoT objects. IoT objects shall represent things or devices or the entire system. The standard defines the mechanism and specifications for evaluation, grading and ranking of the performance of IoT objects by using indicator values, referred as IoT Index (IDex). IDex shall classify the objects into multiple levels of performance and give a quantitative representation and indication of the performance of objects. IDex shall manifest guidance on blending of IoT objects to evolve into better performance.

BSR/IEEE 3004.7-202x, Recommended Practice for the Protection of Conductors Used in Industrial and Commercial Power Systems (new standard)

Stakeholders: Those responsible for the protection of conductors and cables used in industrial and commercial power systems.

Project Need: This new standard is part of a larger project to revise and reorganize the technical content of the 13 existing IEEE Color Books. Benefits of the project include, but are not limited to: (1) the elimination of duplicate material that now exists in the various color books, (2) the speeding up of the revision process by allowing Color Book content to be reviewed, edited, and balloted in smaller segments, and (3) to accommodate more modern, efficient, and cost-effective physical publishing/distribution methodologies (i.e., the elimination of large and expensive to produce books). This recommended practice is likely to be of greatest value to the power-oriented engineer with limited experience with such requirements. It can also be an aid to all engineers responsible for the electrical design of industrial and commercial power systems.

This recommended practice covers the protection of conductors used in main and branch power circuits in industrial and commercial power systems against damage from short circuits and overloads as well as against physical damage from mechanical hazards, adverse environmental conditions, and improper handling.

NFPA (National Fire Protection Association)

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

Revision**BSR/NFPA 31-202x, Standard for the Installation of Oil-Burning Equipment (revision of ANSI/NFPA 31-2020)**

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

Project Need: Public interest and need.

This standard shall apply to the installation of stationary liquid-fuel-burning appliances, including but not limited to industrial-, commercial-, and residential-type steam, hot-water, or warm-air heating appliances; domestic-type range burners; space heaters; and portable liquid-fuel-burning equipment. This standard shall also apply to all accessories and control systems, whether electric, thermostatic, or mechanical, and all electrical wiring connected to liquid-fuel-burning appliances. This standard shall also apply to the installation of liquid-fuel storage and supply systems connected to liquid-fuel-burning appliances. This standard shall also apply to those multifueled appliances in which a liquid fuel is one of the standard or optional fuels. This standard shall not apply to internal combustion engines, oil lamps, or portable devices not specifically covered in this standard. (See Chapter 11 for portable devices that are covered in this standard.) Examples of portable devices not covered by this standard are blowtorches, melting pots, and weed burners.

BSR/NFPA 56-202x, Standard for Fire and Explosion Prevention during Cleaning and Purging of Flammable Gas Piping Systems (revision of ANSI/NFPA 56-2020)

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

Project Need: Public interest and need.

This standard shall apply to fire and explosion prevention during cleaning and purging activities for new and existing flammable gas piping found in electric-generating plants and in industrial, institutional, and commercial applications. Industrial applications encompass a wide variety of manufacturing and other operations such as, but not limited to, petroleum refining and petrochemical and chemical applications. Coverage of fuel gas piping systems shall extend from the point of delivery or source valve to the gas-consuming equipment isolation valve. The piping system includes segments located between pieces of equipment, such as gas conditioning or compressing equipment. This document does not cover the commissioning or maintaining of such equipment. However, the standard can be applied to the commissioning or maintaining of those piping segments and equipment as a system where the complete system is purged into or out of service as a unit. The equipment manufacturer's written instructions should be included as part of the written purge procedure. The equipment isolation valve is intended to be the final isolation valve prior to the manufacturer's or supplier's equipment gas train. For some common pieces of equipment in NFPA standards, the isolation valve is identified and ...

BSR/NFPA 73-202x, Standard for Electrical Inspections for Existing Dwellings (revision of ANSI/NFPA 73-2020)

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

Project Need: Public interest and need.

This standard provides criteria for identification of hazardous conditions of electrical systems in existing one-family, two-family, and multifamily dwellings, including mobile homes and manufactured homes.

BSR/NFPA 75-202x, Standard for the Fire Protection of Information Technology Equipment (revision of ANSI/NFPA 75-2020)

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

Project Need: Public interest and need.

This standard covers the requirements for the protection of information technology equipment (ITE) and ITE areas.

BSR/NFPA 76-202x, Standard for the Fire Protection of Telecommunications Facilities (revision of ANSI/NFPA 76-2020)

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

Project Need: Public interest and need.

This standard provides requirements for fire protection of telecommunications facilities where telecommunications services such as telephone (landline, wireless) transmission, data transmission, internet transmission, voice-over internet protocol (VoIP) transmission, and video transmission are rendered to the public. It is not intended that this standard apply to private telecommunications facilities. Private telecommunications facilities include rooms specifically used for a business to deliver telecommunications to its employees, containing telecommunication for employees of a company. However, private telecommunications facilities do not include facilities that are owned by non-utility business that provide telecommunications services to the public, including, but not limited to, large medical facilities, universities, large corporate telecommunications networks, military bases, and private prisons. Telecommunications facilities are referred to as telephone exchanges in NFPA 101 and NFPA 5000. The 2012 edition of NFPA 101 classifies telephone exchanges as special-purpose industrial occupancies, and the 2012 edition of NFPA 5000 classifies telephone exchanges as industrial occupancies. Telecommunications facilities include signal processing equipment areas, cable entrance facility areas, power areas, main distribution frame areas, standby engine areas, technical support areas, administrative areas, and building services and support areas occupied by a telecommunications service provider. This standard shall specifically...

BSR/NFPA 120-202x, Standard for Fire Prevention and Control in Coal Mines (revision of ANSI/NFPA 120-2020)

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

Project Need: Public interest and need.

This standard shall cover minimum requirements for reducing loss of life and property from fire and explosion in the following: (1) Underground bituminous coal mines, (2) Coal preparation plants designed to prepare coal for shipment, (3) Surface building and facilities associated with coal mining and preparation, and (4) Surface coal and lignite mines. In the development of this document, the data in NIOSH Information Circular 9470, "Analysis of Mine Fires for All Underground and Surface Coal Mining Categories: 1990–1999," were examined. Table A.1.1.1 shows the number of fires for underground coal mines, surface fires at underground coal mines, at surface coal mines, and at coal preparation plants, as well as the number of fire injuries and coal production for the time period from 1990 to 1999. Analysis of the data shows a general decrease in the number of fires over the 10-year period, particularly from 1996 to 1999, while coal production increased slightly. The largest number of fires over the 10-year period, as well as for each 2-year time period, occurred at surface coal mines. There were 164 injuries due to fire during the 10-year period, with the number decreasing significantly over the last 4 years. ...

BSR/NFPA 122-202x, Standard for Fire Prevention and Control in Metal/Nonmetal Mining and Metal Mineral Processing Facilities (revision of ANSI/NFPA 122-2020)

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

Project Need: Public interest and need.

Because of the uniqueness and often remoteness of metal and nonmetal mines and ore-processing facilities, provisions in this standard could differ from commonly accepted fire protection standards and guides devised for other types of occupancies. The provisions of this document are considered necessary to provide a reasonable level of protection from loss of life and property from fire and explosions. They reflect situations and the state of the art at the time the standard was issued. As of 2001, there were 12,479 metal/nonmetal mining and processing operation in the United States. In the most recent 12-year period, approximately 515 fires of all types were reported. Fires and explosions in mines and mineral processing plants have caused major loss of property, production equipment, buildings, and business interruption. In the five-year period from 1994 to 1998, mines and quarries of all types averaged \$12.3 million a year in direct damage in fires reported to U.S. local fire departments. In the same period, nonmetallic mineral processing and product manufacturing facilities averaged \$16.1 million a year in direct damage in fires reported to U.S. local fire departments. (For more information, see the NFPA Fire Protection Handbook, 2008 edition, ...

BSR/NFPA 307-202x, Standard for the Construction and Fire Protection of Marine Terminals, Piers, and Wharves (revision of ANSI/NFPA 307-2021)

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

Project Need: Public interest and need.

This standard shall provide general principles for the construction and fire protection of marine terminals, piers, and wharves. Nothing in this standard shall supersede any of the regulations of governmental or other regulatory authority. The provisions of this standard shall reflect situations and state-of-the-art techniques at the time the standard was issued.

BSR/NFPA 600-202x, Standard on Facility Fire Brigades (revision of ANSI/NFPA 600-2020)

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

Project Need: Public interest and need.

A major concern of industrial fire protection professionals is the protection of employees and property from the threat of fire in the workplace. In 1980, the Occupational Safety and Health Administration (OSHA) defined its requirements for industrial fire brigades. These requirements apply to industrial fire brigades once corporate or local management, in the role as an authority having jurisdiction, has determined that they want an industrial fire brigade at a facility. In OSHA, 29 CFR 1910.156, Subpart L, two types of industrial fire brigades are defined in an attempt to establish levels of industrial fire brigade function and to identify the training and safety requirements for each of those levels. Industrial fire protection professionals have wrestled with categorizing every existing industrial fire brigade into either the incipient stage category or the interior structural category. In attempting to develop a state-of-the-art industrial fire brigade standard, the Technical Committee on Loss Prevention Procedures and Practices has followed OSHA's lead in setting requirements based on the incipient and interior structural industrial fire brigade definitions. The adoption of NFPA 1500, Standard on Fire Department Occupational Safety and Health Program, by the NFPA in 1987 brought about an entirely...

BSR/NFPA 601-202x, Standard for Security Services in Fire Loss Prevention (revision of ANSI/NFPA 601-2020)

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

Project Need: Public interest and need.

This standard shall apply to the selection, requirements, duties, and training of security personnel who will perform fire loss prevention duties. It shall cover the following three categories of security services: (1) Protection of the property, including times when management is not present; (2) Access and egress control into and within the confines of the protected property; and (3) Carrying out procedures for the orderly conduct of various operations at the property.

BSR/NFPA 730-202x, Guide for Premises Security (revision of ANSI/NFPA 730-2020)

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

Project Need: Public interest and need.

This guide describes construction, protection, occupancy features, and practices intended to reduce security vulnerabilities to life and property. NFPA 730, Guide for Premises Security, is referred to in this standard as "this guide" or "the guide." This guide should not supersede government statutes or regulations.

BSR/NFPA 731-202x, Standard for the Installation of Premises Security Systems (revision of ANSI/NFPA 731-2020)

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

Project Need: Public interest and need.

This standard covers the application, location, installation, performance, testing, and maintenance of electronic premises security systems and their components.

BSR/NFPA 804-202x, Standard for Fire Protection for Advanced Light Water Reactor Electric Generating Plants (revision of ANSI/NFPA 804-2020)

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

Project Need: Public interest and need.

Applies only to advanced light-water reactor electric generating plants and provides minimum fire-protection requirements to ensure safe shutdown of the reactor, minimizes the release of radioactive materials to the environment, provides safety to the lives of on-site personnel, limits property damage, and protects continuity of plant operation. The fire protection is based on the principle of defense-in-depth. For plants that have adopted a risk-informed, performance-based approach to fire protection, subsequent changes to the fire-protection program shall be made in accordance with NFPA 806, Performance-Based Standard for Fire Protection for Advanced Nuclear Reactor Electric Generating Plants Change Process. This standard does not address water-moderated or water-cooled nuclear reactors used for training, testing, experimental purposes, or the production of special nuclear materials as defined in the Atomic Energy Act of 1954, as amended. Refer to NFPA 801, Standard for Fire Protection for Facilities Handling Radioactive Materials. This standard does not address light-water nuclear power plants with construction permits issued prior to January 1, 1979. An advanced nuclear reactor electric generator station that has opted to use a risk-informed, performance-based approach to fire protection will use NFPA 806.

BSR/NFPA 805-202x, Performance-Based Standard for Fire Protection for Light Water Reactor Electric Generating Plants (revision of ANSI/NFPA 805-2020)

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

Project Need: Public interest and need.

This standard specifies the minimum fire-protection requirements for existing light-water nuclear power plants during all phases of plant operation, including shutdown, degraded conditions, and decommissioning.

BSR/NFPA 806-202x, Performance-Based Standard for Fire Protection for Advanced Nuclear Reactor Electric Generating Plants Change Process (revision of ANSI/NFPA 806-2020)

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

Project Need: Public interest and need.

This standard provides minimum requirements for a risk-informed, performance-based change process for the fire-protection program for advanced nuclear reactor electric generating plants during construction and all phases of plant operation, including shutdown, degraded conditions, and decommissioning. Fundamental fire protection elements for advanced nuclear reactor electric generating plants can be found in NFPA 804, Standard for Fire Protection for Advanced Light Water Reactor Electric Generating Plants. This standard covers advanced light water reactors, advanced heavy water reactors, advanced gas-cooled reactors, advanced liquid metal reactors, or any and all types of advanced reactors. Advanced nuclear reactor designs include water-cooled reactors [light water and heavy water reactors (LWR/HWRs)], fast reactors [liquid metal fast reactors (LMFRs)], and gas-cooled reactors [graphite-moderated high-temperature gas-cooled reactors (HTGRs)]. Excluded are existing light-water reactors. The fundamental elements of a fire-protection program, including administrative controls, fire-protection features, and so forth, can be found in NFPA 804, Standard for Fire Protection for Advanced Light Water Reactor Electric Generating Plants.

BSR/NFPA 850-202x, Recommended Practice for Fire Protection for Electric Generating Plants and High Voltage Direct Current Converter Stations (revision of ANSI/NFPA 850-2020)

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

Project Need: Public interest and need.

This document provides recommendations for fire prevention and fire protection for electric generating plants and high-voltage direct-current converter stations, except as follows: Nuclear power plants are addressed in NFPA 805, Performance-Based Standard for Fire Protection for Light Water Reactor Electric Generating Plants; hydroelectric plants are addressed in NFPA 851, Recommended Practice for Fire Protection for Hydroelectric Generating Plants; and fuel cells are addressed in NFPA 853, Standard for the Installation of Stationary Fuel Cell Power Systems.

BSR/NFPA 853-202x, Standard for the Installation of Stationary Fuel Cell Power Systems (revision of ANSI/NFPA 853-2020)

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

Project Need: Public interest and need.

This standard shall apply to the design, construction, and installation of stationary fuel cell power systems. The scope of this document shall include the following: (1) A singular prepackaged, self-contained power system unit; (2) Any combination of prepackaged, self-contained power system units; (3) Power system units comprising two or more factory-matched modular components intended to be assembled in the field; and (4) Engineered and field-constructed power systems that employ fuel cells.

BSR/NFPA 1126-202x, Standard for the Use of Pyrotechnics before a Proximate Audience (revision of ANSI/NFPA 1126-2021)

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

Project Need: Public interest and need.

This standard shall provide requirements for the protection of property, operators, performers, support personnel, and the viewing audiences where pyrotechnic effects are used indoors or outdoors with a proximate audience.

BSR/NFPA 2010-202x, Standard for Fixed Aerosol Fire-Extinguishing Systems (revision of ANSI/NFPA 2010-2020)

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

Project Need: Public interest and need.

This standard contains the requirements for the design, installation, operation, testing, and maintenance of condensed and dispersed aerosol fire-extinguishing systems for total flooding applications. This standard also covers performance requirements and methods of testing for condensed aerosol systems, dispersed aerosol systems, and associated components.

TAPPI (Technical Association of the Pulp and Paper Industry)

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New Standard

BSR/TAPPI T 211 om-202x, Ash in wood, pulp, paper and paperboard: Combustion at 525°C (new standard)

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 required five-year review of an existing TAPPI Standard.

This method for determination of ash can be applied to all types and grades of wood pulp paper, and paper products. For the determination of ash by combustion at 900°C, see TAPPI T 413 "Ash in Wood, Pulp, Paper and Paperboard: Combustion at 900°C."

BSR/TAPPI T 220 sp-202x, Physical testing of pulp handsheets (new standard)

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 required five-year review of an existing TAPPI Standard.

This procedure describes the testing of pulp handsheets, prepared in accordance with TAPPI T 205 "Forming Handsheets for Physical Tests of Pulp," for their strength and other physical properties as well as their light-scattering coefficient. Information derived from handsheet testing is a measure of the potential contribution of the pulp to the strength of the finished paper product.

BSR/TAPPI T 252 om-202x, pH and electrical conductivity of hot water extracts of pulp, paper, and paperboard (new standard)

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 required five-year review of an existing TAPPI Standard.

This procedure provides for the extraction of pulp, paper, and paperboard samples using boiling reagent water followed by determination of the pH and conductivity of the extract.

BSR/TAPPI T 258 om-202x, Basic density and moisture content of pulpwood (new standard)

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 required five-year review of an existing TAPPI Standard.

This method describes the measurement of the basic density (bone-dry weight per unit of maximum volume) of pulpwood in the form of chips or disks from the cross section of logs. The method also gives procedures for determining the moisture content of wood in either form. Moisture content is determined by the difference in weight as received and after drying at $105 \pm 3^\circ\text{C}$. Volume is determined by the amount of water displaced by the test specimen of wood. Because wood swells or shrinks, respectively, with absorption or loss of water, it is necessary to express the density at a specified moisture content and corresponding volume. The usual conditions are the minimum (oven-dry or moisture-free) weight and the maximum (green) or the minimum (oven-dry or moisture-free) volume. For most purposes, the maximum volume basis is sufficient. In the present method the specimen is considered to have swollen to its maximum volume when its moisture content exceeds the "fiber-saturation point," which lies between 18 and 26% by weight (wet basis) for most species. Procedures for obtaining the volume, both green and oven-dry, are described in this method.

BSR/TAPPI T 263 sp-202x, Identification of wood and fibers from conifers (new standard)

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 required five-year review of an existing TAPPI Standard.

This method (1) deals with the identification of wood from conifers and also permits determination of the coniferous origin of fibers in pulp and paper. The majority of the species described are found in the continental United States and Canada; however, several exotic species found in commercial channels are also included.

BSR/TAPPI T 412 om-202x, Moisture in pulp, paper and paperboard (new standard)

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 required five-year review of an existing TAPPI Standard.

The following procedure applies to pulp, paper, paperboard, and paper products, except those containing significant quantities of materials other than water that are volatile at lower than 107°C (224.6°F) or degrade above 103°C (217.4°F). Moisture is significant for economic reasons and for its effect on such properties as printability, shrinkage, dimensional stability, physical strength, and paper runnability. This method should be followed to: (1) Determine the amount of moisture in a lot of pulp, paper, or paperboard as an "as received" moisture; (2) Determine the amount of moisture in shipping containers, and (3) Calculate results of analysis of the moisture content on the original weight of the specimen.

BSR/TAPPI T 425 om-202x, Opacity of paper (15/d geometry, illuminant A/2°, 89% reflectance backing and paper backing) (new standard)

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 required five-year review of an existing TAPPI Standard.

Opacity is a fundamental optical property of paper as a whole, yet the measurement of opacity is determined by a ratio of reflectance measurements. The opacity of the sheet is influenced by thickness, the amount and kind of filler, degree of bleaching of the fibers, coating, and the like. The utility of bond, writing, and book papers is enhanced by a high opacity. The essential principle of this method for determining the opacity of paper is as follows: The reflectance of paper when combined with a white backing is higher than that of paper when combined with a black backing because, in the former case, light transmitted through the imperfectly opaque sheet is largely reflected by the white backing, and a portion of the light is transmitted through the paper a second time thus increasing the total reflection. Two types of "white" backing are used, leading to two measures of opacity:

BSR/TAPPI T 435 om-202x, Hydrogen ion concentration (pH) of paper extracts (hot extraction method) (new standard)

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 required five-year review of an existing TAPPI Standard.

This method measures the hydrogen ion concentration, expressed in terms of pH, of an aqueous extract of paper obtained by hot extraction (unfiltered and extracted by boiling water for one hour). It may be applied to writing, printing, and sized industrial paper, but it is not intended for unbuffered types such as electrical insulating and condenser papers. Values determined by this method will reflect changes resulting from heat-induced hydrolysis. Additives, such as those used in filled and coated papers can have an effect on the extract pH. The cold extraction method is described in TAPPI T 509, "Hydrogen Ion Concentration (pH) of Paper Extracts (Cold Extraction Method)." Surface pH measurement of paper is described in TAPPI T 529, "Surface pH Measurement of Paper."

BSR/TAPPI T 460 om-202x, Air resistance of paper (Gurley method) (new standard)

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 required five-year review of an existing TAPPI Standard.

This method is used to measure the air resistance of approximately 6.45 sq. cm. (1 sq. in.) circular area of paper using a pressure differential of 1.22 kPa. The recommended range of the liquid column instrument is from 5 to 1800 seconds per 100 mL cylinder displacement. For more impermeable papers, the time requirements become so excessive that other techniques are preferable. This method measures the volume of air that passes through the test specimen, along with any possible leakage of air across the surface; therefore, it is unsuitable for paper or paperboards which cannot be securely clamped so as to avoid significant surface and/or edge leakage. For a similar method of measuring air resistance that tests paper at a higher pressure (approx. 3 kPa), and has higher resolution in measuring smaller air volumes, refer to TAPPI T 536. For a method of measuring air permeance at pressures up to 9.85 kPa, using both smaller and larger test areas, refer to TAPPI T 547.

BSR/TAPPI T 465 sp-202x, Static creasing of paper for water vapor transmission tests (new standard)

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 required five-year review of an existing TAPPI Standard.

This standard practice is used for the creasing of paper and other thin sheet materials to provide reproducibly creased specimens for testing water vapor transmission. It is not applicable to paperboard. This is a standard practice for static creasing; for kinetic creasing see TAPPI T 512 "Creasing of Flexible Packaging Material Paper Specimens for Testing." This procedure can be used with water vapor transmission tests TAPPI T 448 "Water vapor transmission rate of sheet materials at standard temperature and humidity", TAPPI T 464 "Gravimetric determination of water vapor transmission rate of sheet materials at high temperature and humidity," and TAPPI T 523 "Dynamic measurement of water vapor transfer through sheet materials."

BSR/TAPPI T 476 om-202x, Abrasion loss of paper and paperboard (Taber-type method) (new standard)

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 required five-year review of an existing TAPPI Standard.

This method determines the resistance of surfaces of paper and paperboard to the action of abrasion, either wet or dry, by measuring abrasion loss. This test is not applicable to surfaces treated with wax or similar materials which would fill in the pores of the abrasive wheels.

BSR/TAPPI T 537 om-202x, Dirt count in paper and paperboard (optical character recognition - OCR) (new standard)

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 required five-year review of an existing TAPPI Standard.

This method is suited for the numerical estimation of cleanliness for optical character recognition (OCR) purposes of paper and paperboard in terms of the frequency of dirt, specks, or marks. For other dirt count methods, see TAPPI T 437 "Dirt in Paper and Paperboard," TAPPI T 213 "Dirt in Pulp," and TAPPI T 563, "Equivalent Black Area (EBA) and Count of Visible Dirt in Pulp, Paper and Paperboard by Image Analysis." This method may be used in applications where the number of specks per unit area rather than the equivalent black area is required. In this method, each dirt speck is counted individually regardless of size, shape, or color. This differs from TAPPI T 437 where the dirt is expressed in terms of equivalent black area and is a function of its color, contrast with the background, and shape.

BSR/TAPPI T 538 om-202x, Roughness of paper and paperboard (Sheffield method) (new standard)

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 required five-year review of an existing TAPPI Standard.

This method is a measurement of the air flow between the specimen (backed by flat glass on the bottom side) and two pressurized, concentric annular lands that are impressed into the sample from the top side. The rate of air flow is related to the surface roughness of paper or paperboard.

BSR/TAPPI T 543 om-202x, Bending resistance of paper (Gurley-type tester) (new standard)

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 required five-year review of an existing TAPPI Standard.

This procedure determines the bending resistance of paper, paperboard, and other materials by measuring the force required to bend a specimen under controlled conditions. The instrument described allows for a wide variation in specimen length and width, and in applied force. This procedure is not recommended for soft or limp materials such as tissue, toweling, and newsprint, or for materials with a pronounced degree of curl.

BSR/TAPPI T 556 om-202x, Bending resistance of paper and paperboard by single-point bending method (new standard)

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 required five-year review of an existing TAPPI Standard.

This procedure is used to measure the bending resistance of paper and paperboard in the machine and cross machine directions, by determining the bending resistance in mN of a 38 mm (1.5 in.) wide vertically clamped sample, at 15° or 7.5° deflection. For this method, the standard bending angle is 15° ± 0.1°. For specimens that break or are otherwise unsuitable at 15°, a bending angle of 7.5° ± 0.1° shall be used.

BSR/TAPPI T 564 sp-202x, Transparent chart for the estimation of defect size (new standard)

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 required five-year review of an existing TAPPI Standard.

There are many applications where it is desired to measure the size of spots, defects, or inclusions in paper and other industrial materials such as textiles or plastics. This chart was developed from the "TAPPI Dirt Estimation Chart" to provide a means for size estimation.

BSR/TAPPI T 578 sp-202x, Accelerated light aging of printing and writing paper by xenon-arc exposure apparatus (new standard)

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 required five-year review of an existing TAPPI Standard.

This standard practice describes a laboratory procedure for the exposure of printing and writing paper to xenon-arc light at elevated levels of light flux to permit accelerated aging of that type of paper. This standard practice specifies the sample preparation and conditions of exposure required to obtain information on the relative stability of paper with regard to change in optical properties brought about by exposure of such paper to light. This standard practice provides qualitative guidelines regarding paper stability. It does not define the life expectancy for a given paper to reach a specified set of optical properties. This standard practice uses high-intensity broadband light sources that may not be suitable for the evaluation of light stability of papers that contain peroxide bleached mechanical pulp.

BSR/TAPPI T 631 om-202x, Microbiological enumeration of process water and slush pulp (new standard)

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 required five-year review of an existing TAPPI Standard.

The following procedure is recommended primarily for the microbiological examination of process water. It is also applicable to slush pulp. This method is adequate for classical, heterotrophic cell counts of unencapsulated, planktonic microorganisms. This method will not give an accurate measure of the numbers of encapsulated, slime-forming cells or sessile microorganisms present. Because of the exacting technique required in microbiological procedures, reproducible results can be obtained only by a trained technician.

BSR/TAPPI T 807 om-202x, Bursting strength of linerboard (new standard)

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 required five-year review of an existing TAPPI Standard.

This method describes a procedure for measuring the bursting strength of containerboard using a disk-shaped diaphragm. This method may also be used to test paperboard. (See also 11.3.) A specimen is clamped between two platens with circular openings in their centers. An expansible diaphragm is distended through the lower platen by means of hydraulic pressure until the specimen ruptures. The maximum hydraulic pressure when the specimen ruptures is recorded.

BSR/TAPPI T 822 om-202x, Ring crush of paperboard (rigid support method) (new standard)

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 required five-year review of an existing TAPPI Standard.

The ring crush test correlates with edgewise compression strength of paperboard. This method was originally developed for paperboard between 0.28 mm (0.011 in.) and 0.61 mm (0.024 in.) thick. It may be used with higher variability for paperboard as thin as 0.18 mm (0.007 in.) and as thick as 0.76 mm (0.030 in.). A significant fraction of the paper in use in the industry now falls below the 0.28 mm (0.011 in.) value.

BSR/TAPPI T 1009 om-202x, Tensile strength and elongation at break for fiber glass mats (new standard)

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 required five-year review of an existing TAPPI Standard.

This method covers the determination of the tensile strength and elongation at break of fiber glass mats.

UL (Underwriters Laboratories, Inc.)

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New Standard

BSR/UL 5840-202x, Standard for Safety for Battery Powered Ground Support Equipment (new standard)

Stakeholders: Airlines, airport authorities, air carriers, battery manufacturers, manufacturers of ground support equipment, and the EPA.

Project Need: The electrification of ground support equipment (GSE) has been increasing in most market segments as part of the global effort towards cleaner airport transportation and the demand for more on-time flights. Airports and airlines benefit by implementing green transportation due to long-term cost savings. The transition from internal combustion to electric has been partly due to the necessary technologies, particularly lithium batteries, becoming more mature and affordable, aided by their development and use in the on-road segment. As the environmental benefit is immense, due to a reduction in fuel consumption and improvement in air quality, several major airlines have begun the global transition of converting 70-80% of their GSE to lithium-battery powered equipment. Therefore, there is a current and increasing need for safety requirements covering the risks of fire, electric shock and explosion.

These requirements cover electric battery-powered airport ground support equipment, such as pushbacks, belt-loaders, container loaders, luggage tugs, water trucks, platform lifts, and other vehicles designed for specific airplane service uses, with respect to a risk of fire, electric shock, and explosion.

American National Standards Maintained Under Continuous Maintenance

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

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

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

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

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

ANSI-Accredited Standards Developers Contact Information

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

3-A

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AAFS

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Web: www.aafs.org

AAMI

Association for the Advancement of
Medical Instrumentation
901 N. Glebe Road, Suite 300
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ABYC

American Boat and Yacht Council
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Web: www.abycinc.org

AGA (ASC B109)

American Gas Association
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Phone: (202) 824-7058
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AMCA

Air Movement and Control Association
30 West University Drive
Arlington Heights, IL 60004-1893
Phone: (847) 704-6285
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ANS

American Nuclear Society
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APCO

Association of Public-Safety
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International
351 N. Williamson Boulevard
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APTech (ASC CGATS)

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ASA (ASC S12)

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ASA (ASC S3)

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ASABE

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ASHRAE

American Society of Heating,
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ASME

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ASPE

American Society of Plumbing Engineers
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Web: www.aspe.org

ASSP (Safety)

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Web: www.assp.org

ATIS

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AWS

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AWWA

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BICSI

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BOMA

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CEMA

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CSA

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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

HL7

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

IAPMO (ASSE Chapter)

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

IEEE

Institute of Electrical and Electronics
Engineers
445 Hoes Lane
Piscataway, NJ 08854-4141
Phone: (732) 981-2864
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

LES

Licensing Executives Society (U.S. and
Canada)
11130 Sunrise Valley Drive
Suite 350
Reston, VA 20191
Phone: (202) 372-9115
Web: www.les.org

NEMA (ASC C136)

National Electrical Manufacturers
Association
1300 North 17th Street
Suite 900
Rosslyn, VA 22209
Phone: (703) 841-3234
Web: www.nema.org

NFPA

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

NSF

NSF International
789 N. Dixboro Road
Ann Arbor, MI 48105-9723
Phone: (734) 418-6660
Web: www.nsf.org

RESNET

Residential Energy Services Network,
Inc.
4867 Patina Court
Oceanside, CA 92057
Phone: (760) 408-5860
Web: www.resnet.us.com

TAPPI

Technical Association of the Pulp and
Paper Industry
15 Technology Parkway South
Suite 115
Peachtree Corners, GA 30092
Phone: (770) 209-7219
Web: www.tappi.org

TIA

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

UL

Underwriters Laboratories, Inc.
333 Pfingsten Road
Northbrook, IL 60062-2096
Phone: (847) 664-1725
Web: www.ul.com



ISO & IEC Draft International Standards

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

Comments

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

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

Ordering Instructions

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

ISO Standards

AGRICULTURAL FOOD PRODUCTS (TC 34)

ISO/DIS 5530-1, Wheat flour - Physical characteristics of doughs - Part 1: Determination of water absorption and rheological properties using a farinograph - 6/6/2020, \$98.00

ISO/DIS 5530-2, Wheat flour - Physical characteristics of doughs - Part 2: Determination of rheological properties using an extensograph - 6/6/2020, \$93.00

AIRCRAFT AND SPACE VEHICLES (TC 20)

ISO 27875/DAMd1, Space systems - Re-entry risk management for unmanned spacecraft and launch vehicle orbital stages - Amendment 1: Equation to obtain E_c by the product of the probability of impact on a specific latitude band, and the population within the band, which is integrated over the latitude range covered by the orbital inclination - 6/6/2020, \$29.00

DENTISTRY (TC 106)

ISO/DIS 7711-1, Dentistry - Diamond rotary instruments - Part 1: General requirements - 6/7/2020, \$53.00

FINE CERAMICS (TC 206)

ISO/DIS 19587, Fine ceramics (advanced ceramics, advanced technical ceramics) - Mechanical properties of ceramic composites at elevated temperature in air atmospheric pressure - Determination of in-plane shear strength - 6/4/2020, \$62.00

GEOGRAPHIC INFORMATION/GEOMATICS (TC 211)

ISO 19115-1/DAMd2, Geographic information - Metadata - Part 1: Fundamentals - Amendment 2 - 6/6/2020, \$33.00

METALLIC AND OTHER INORGANIC COATINGS (TC 107)

ISO/DIS 1463, Metallic and oxide coatings - Measurement of coating thickness - Microscopical method - 6/8/2020, \$62.00

ISO/DIS 4518, Metallic coatings - Measurement of coating thickness - Profilometric method - 6/8/2020, \$46.00

ISO/DIS 23216, Carbon based films - Determination of optical properties of amorphous carbon films by spectroscopic ellipsometry - 6/13/2020, \$46.00

ISO/DIS 23486, Metallic and other inorganic coatings - Measurement of Young's modulus of thermal barrier coatings at elevated temperature by flexural resonance method - 6/5/2020, \$53.00

MINING (TC 82)

ISO/DIS 19426-7, Structures for mine shafts - Part 7: Rope guides - 6/12/2020, \$125.00

NATURAL GAS (TC 193)

ISO/DIS 20765-5, Natural gas - Calculation of thermodynamic properties - Part 5: Calculation of viscosity, Joule-Thomson coefficient, and isentropic exponent - 6/7/2020, \$67.00

PERSONAL SAFETY - PROTECTIVE CLOTHING AND EQUIPMENT (TC 94)

ISO/DIS 16900-6, Respiratory protective devices - Methods of test and test equipment - Part 6: Mechanical resistance/strength of components and connections - 6/7/2020, \$98.00

PLAIN BEARINGS (TC 123)

ISO/DIS 6691, Thermoplastic polymers for plain bearings - Classification and designation - 6/5/2020, \$93.00

PLASTICS (TC 61)

ISO/DIS 16929, Plastics - Determination of the degree of disintegration of plastic materials under defined composting conditions in a pilot-scale test - 6/5/2020, \$53.00

REFRIGERATION (TC 86)

ISO/DIS 22044, Commercial beverage coolers - Classification, requirements and test conditions - 6/8/2020, \$125.00

ROAD VEHICLES (TC 22)

ISO/DIS 22561.2, Gasoline engines with direct fuel injection (GDI engines) - Installation of the injectors to the engine - 5/14/2020, \$53.00

ISO/DIS 19206-3, Road vehicles - Test devices for target vehicles, vulnerable road users and other objects, for assessment of active safety functions - Part 3: Requirements for passenger vehicle 3D targets - 6/1/2020, \$112.00

RUBBER AND RUBBER PRODUCTS (TC 45)

ISO/DIS 3011, Rubber- or plastics-coated fabrics - Determination of resistance to ozone cracking under static conditions - 6/11/2020, \$33.00

ISO/DIS 6450, Rubber- or plastics-coated fabrics - Determination of resistance to liquids - 11/7/2026, \$33.00

ISO/DIS 23641, Flexible cellular polymeric materials - Determination of antibacterial effectiveness - 6/12/2020, \$58.00

ISO/DIS 4674-2, Rubber- or plastics-coated fabrics - Determination of tear resistance - Part 2: Ballistic pendulum method - 6/11/2020, \$46.00

ISO/DIS 5470-2, Rubber- or plastics-coated fabrics - Determination of abrasion resistance - Part 2: Martindale abrader - 11/9/2004, FREE

ISO/DIS 22762-5, Elastomeric seismic-protection isolators - Part 5: Sliding seismic-protection isolators for buildings - 6/11/2020, \$112.00

SUSTAINABLE DEVELOPMENT IN COMMUNITIES (TC 268)

ISO/DIS 37164, Smart community infrastructures - Smart transportation using fuel cell LRT - 6/6/2020, \$40.00

TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY (TC 23)

ISO/DIS 22494, Disc ploughs - Specifications and test method - 6/6/2020, \$58.00

ISO/DIS 22495, Chisel ploughs - Specifications and test method - 6/4/2020, \$53.00

ISO/IEC JTC 1, Information Technology

ISO/IEC DIS 15962, Information technology - Radio frequency identification (RFID) for item management - Data protocol: data encoding rules and logical memory functions - 6/5/2020, \$215.00

ISO/IEC DIS 23200, Information technology - Interference rejection performance test method between tags as defined in ISO/IEC 18000-63 and a heterogeneous wireless system - 6/6/2020, \$58.00

ISO/IEC DIS 24734, Information technology - Office equipment - Method for measuring digital printing productivity - 6/12/2020, \$134.00

ISO/IEC DIS 18000-63, Information technology - Radio frequency identification for item management - Part 63: Parameters for air interface communications at 860 MHz to 960 MHz Type C - 6/5/2020, \$245.00

IEC Standards

10/1117/FDIS, IEC 60296 ED5: Fluids for electrotechnical applications - Mineral insulating oils for electrical equipment, 020/5/1/

13/1807/FDIS, IEC 62053-23 ED2: Electricity metering equipment - Particular requirements - Part 23: Static meters for reactive energy (classes 2 and 3), 020/5/1/

13/1806/FDIS, IEC 62053-22 ED2: Electricity metering equipment - Particular requirements - Part 22: Static meters for AC active energy (classes 0,1S, 0,2S and 0,5S), 020/5/1/

13/1805/FDIS, IEC 62053-21 ED2: Electricity metering equipment - Particular requirements - Part 21: Static meters for AC active energy (classes 0,5, 1 and 2), 020/5/1/

31G/318/FDIS, IEC 60079-25 ED3: Explosive atmospheres - Part 25: Intrinsically safe electrical systems, 020/5/1/

44/873A/CD, IEC 60204-1/AMD1 ED6: Amendment 1 - Safety of machinery - Electrical equipment of machines - Part 1: General requirements, 2020/5/29

48B/2790/CDV, Connectors for electrical and electronic equipment - Product requirements - Part 2-010: Circular connectors - Detail specification for push pull connectors with outer locking mechanism, based on mating interfaces according to IEC 61076-2-101, IEC 61076-2-109, IEC 61076-2-111 and IEC 61076-2-113, 2020/6/12

49/1338/CDV, IEC 61837-2/AMD1 ED3: Amendment 1 - Surface mounted piezoelectric devices for frequency control and selection - Standard outlines and terminal lead connections - Part 2: Ceramic enclosures, 2020/6/12

55/1845/FDIS, 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, 020/5/1/

55/1846/FDIS, 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, 020/5/1/

55/1837/FDIS, IEC 60317-27-4 ED1: Specifications for particular types of winding wires - Part 27-4: Paper tape covered rectangular aluminium wire, 020/5/1/

55/1843/FDIS, IEC 60317-18 ED4: Specifications for particular types of winding wires - Part 18: Polyvinyl acetal enamelled rectangular copper wire, class 120, 020/5/1/

55/1840/FDIS, 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, 020/5/1/

55/1841/FDIS, IEC 60317-12 ED4: Specifications for particular types of winding wires - Part 12: Polyvinyl acetal enamelled round copper wire, class 120, 020/5/1/

55/1842/FDIS, IEC 60317-17 ED4: Specifications for particular types of winding wires - Part 17: Polyvinyl acetal enamelled rectangular copper wire, class 105, 020/5/1/

55/1844/FDIS, 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, 020/5/1/

55/1838/FDIS, IEC 60317-27-1 ED1: Specifications for particular types of winding wires - Part 27-1: Paper tape covered round copper wire, 020/5/1/

55/1839/FDIS, IEC 60317-27-2 ED1: Specifications for particular types of winding wires - Part 27-2: Paper tape covered round aluminium wire, 020/5/1/

57/2199/DTR, IEC TR 61850-10-3 ED1: Communication networks and systems for power utility automation - Part 10-3: Functional testing of IEC 61850 systems, 2020/5/15

68/653/CD, IEC 60404-17 ED1: Magnetic materials - Part 17: Methods of measurement of the magnetostriction characteristics of grain-oriented electrical steel strip and sheet by means of a single sheet tester and an optical sensor, 2020/6/12

73/187/DTR, IEC TR 60909-4 ED2: Short-circuit currents in three-phase a.c. systems - Part 4: Examples for the calculation of short-circuit currents, 2020/5/15

82/1710/CD, IEC 62548 ED2: Photovoltaic (PV) arrays - Design requirements, 2020/6/12

82/1715/NP, PNW 82-1715: Measurement and specification for silver pastes of crystalline silicon solar cells, 2020/6/12

85/719/CD, IEC TS 63297 ED1: Sensing Devices for Non-Intrusive Load Monitoring (NILM) Systems, 2020/5/15

101/605/CD, IEC TS 61340-5-4 ED1: Electrostatics - Part 5-4: Protection of electronic devices from electrostatic phenomena - Compliance verification, 2020/5/15

105/786/CDV, IEC 62282-7-2 ED1: Fuel cell technologies - Part 7-2: Test methods - Single cell and stack performance tests for solid oxide fuel cells (SOFC), 2020/6/12

110/1194/CD, IEC 62977-3-4 ED1: Electronic displays - Part 3-4: Evaluation of optical performance - High dynamic range displays, 2020/5/15

110/1195/CD, IEC 62906-5-7 ED1: Laser displays - Part 5-7: Measuring methods of visual quality for scanning laser displays, 2020/5/15

- 111/573(F)/FDIS, IEC 62321-3-2 ED2: Determination of certain substances in electrotechnical products - Part 3-2: Screening - Fluorine, bromine and chlorine in polymer and electronics by combustion-ion chromatography (C-IC), 2020/4/10
- 111/574/NP, PNW 111-574: General method for assessing the proportion of reused components in products, 2020/6/12
- 120/181/NP, PNW 120-181: Electrical energy storage (EES) systems - Part 5-3: Safety requirements for electrochemical based EES systems considering initially non-anticipated modifications - Partial replacement, changing application, relocation and loading reused battery -, 2020/4/17
- 121A/338(F)/CDV, IEC 60947-9-2 ED1: Low-voltage switchgear and controlgear - Active arc-fault mitigation systems - Part 9-2: Optical-based internal arc-detection and mitigation devices, 2020/5/22
- CIS/A/1316/FDIS, CISPR 16-1-4/AMD1 ED4: Amendment 1: Specification for radio disturbance and immunity measuring apparatus and methods - Part 1-4: Radio disturbance and immunity measuring apparatus - Antennas and test sites for radiated disturbance measurements, 020/5/1/



Newly Published ISO & IEC Standards

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

ISO Standards

AIRCRAFT AND SPACE VEHICLES (TC 20)

[ISO 7313:2020](#), Aircraft - High temperature convoluted hose assemblies in polytetrafluoroethylene (PTFE), \$103.00

GLASS CONTAINERS (TC 63)

[ISO 12822:2020](#), Glass packaging - 26 H 126 crown finish - Dimensions, \$45.00

HEALTH INFORMATICS (TC 215)

[ISO/IEEE 11073-20701:2020](#), Health informatics - Device interoperability - Part 20701: Point-of-care medical device communication - Service oriented medical device exchange architecture and protocol binding, \$162.00

IMPLANTS FOR SURGERY (TC 150)

[ISO 7199/Amd1:2020](#), Cardiovascular implants and artificial organs - Blood-gas exchangers (oxygenators) - Amendment 1: Connectors, \$19.00

INDUSTRIAL AUTOMATION SYSTEMS AND INTEGRATION (TC 184)

[ISO 14649-17:2020](#), Industrial automation systems and integration - Physical device control - Data model for computerized numerical controllers - Part 17: Process data for additive manufacturing, \$103.00

MACHINE TOOLS (TC 39)

[ISO 19085-11:2020](#), Woodworking machines - Safety - Part 11: Combined machines, \$162.00

PIGMENTS, DYESTUFFS AND EXTENDERS (TC 256)

[ISO 3262-1:2020](#), Extenders - Specifications and methods of test - Part 1: Introduction and general test methods, \$45.00

PLASTICS (TC 61)

[ISO 19066-2:2020](#), Plastics - Methyl methacrylate-acrylonitrile-butadiene-styrene (MABS) moulding and extrusion materials - Part 2: Preparation of test specimens and determination of properties, \$68.00

ROAD VEHICLES (TC 22)

[ISO 21111-4:2020](#), Road vehicles - In-vehicle Ethernet - Part 4: General requirements and test methods of optical gigabit Ethernet components, \$209.00

SAFETY OF TOYS (TC 181)

[ISO 8124-3:2020](#), Safety of toys - Part 3: Migration of certain elements, \$162.00

SOLID MINERAL FUELS (TC 27)

[ISO 556:2020](#), Coke (greater than 20 mm in size) - Determination of mechanical strength, \$68.00

SPORTS AND RECREATIONAL EQUIPMENT (TC 83)

[ISO 5912:2020](#), Camping tents - Requirements and test methods, \$138.00

STEEL (TC 17)

[ISO 19959:2020](#), Steels, nickel alloys and cobalt alloys investment castings - Visual testing of surface quality, \$45.00

[ISO 4992-1:2020](#), Steel castings - Ultrasonic testing - Part 1: Steel castings for general purposes, \$162.00

[ISO 4992-2:2020](#), Steel castings - Ultrasonic testing - Part 2: Steel castings for highly stressed components, \$162.00

TIMBER STRUCTURES (TC 165)

[ISO 8970:2020](#), Timber structures - Testing of joints made with mechanical fasteners - Requirements for timber density, \$68.00

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

[ISO 14907-1:2020](#), Electronic fee collection - Test procedures for user and fixed equipment - Part 1: Description of test procedures, \$232.00

WELDING AND ALLIED PROCESSES (TC 44)

[ISO 17927-1:2020](#), Welding for aerospace applications - Fusion welding of metallic components - Part 1: Process specification, \$138.00

[ISO 17927-2:2020](#), Welding for aerospace applications - Fusion welding of metallic components - Part 2: Acceptance criteria, \$68.00

ISO Technical Reports

CONCRETE, REINFORCED CONCRETE AND PRE-STRESSED CONCRETE (TC 71)

[ISO/TR 16475:2020](#), General practices for the repair of water-leakage cracks in concrete structures, \$103.00

FIRE SAFETY (TC 92)

[ISO/TR 23932-2:2020](#), Fire safety engineering - General principles - Part 2: Example of a dry-cleaning store, \$185.00

ISO Technical Specifications

DENTISTRY (TC 106)

[ISO/TS 17988:2020](#), Dentistry - Corrosion test methods for dental amalgam, \$162.00

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

[ISO/TS 16785:2020](#), Electronic Fee Collection (EFC) - Application interface definition between DSRC-OBE and external in-vehicle devices, \$138.00

ISO/IEC JTC 1, Information Technology

[ISO/IEC 30105-3/Amd1:2020](#), Information technology - IT Enabled Services-Business Process Outsourcing (ITES-BPO) lifecycle processes - Part 3: Measurement framework (MF) and organization maturity model (OMM) - Amendment 1, \$19.00

[ISO/IEC 15963-1:2020](#), Information technology - Radio frequency identification for item management - Part 1: Unique identification for RF tags numbering systems, \$103.00

[ISO/IEC 15963-2:2020](#), Information technology - Radio frequency identification for item management - Part 2: Unique identification for RF tags registration procedures, \$45.00

[ISO/IEC 18046-2:2020](#), Information technology - Radio frequency identification device performance test methods - Part 2: Test methods for interrogator performance, \$162.00

[ISO/IEC 23092-3:2020](#), Information technology - Genomic information representation - Part 3: Metadata and application programming interfaces (APIs), \$232.00

[ISO/IEC 23000-19:2020](#), Information technology - Multimedia application format (MPEG-A) - Part 19: Common media application format (CMAF) for segmented media, \$232.00

[ISO/IEC/IEEE 8802-1AR:2020](#), Telecommunications and exchange between information technology systems - Requirements for local and metropolitan area networks - Part 1AR: Secure device identity, \$209.00

IEC Standards**ELECTRICAL ACCESSORIES (TC 23)**

[IEC 63172 Ed. 1.0 b:2020](#), Electrical accessories - Methodology for determining the energy efficiency class of electrical accessories, \$117.00

ELECTRICAL APPARATUS FOR EXPLOSIVE ATMOSPHERES (TC 31)

[IEC 60079-29-1 Amd.1 Ed. 2.0 b:2020](#), Amendment 1 - Explosive atmospheres - Part 29-1: Gas detectors - Performance requirements of detectors for flammable gases, \$23.00

[IEC 60079-29-1 Ed. 2.1 b:2020](#), Explosive atmospheres - Part 29-1: Gas detectors - Performance requirements of detectors for flammable gases, \$410.00

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

[IEC 62610-6 Ed. 1.0 en:2020](#), Mechanical structures for electrical and electronic equipment - Thermal management for cabinets in accordance with IEC 60297 and IEC 60917 Series - Part 6: Air recirculation and bypass of indoor cabinets, \$164.00

[IEC 62946-01 Ed. 1.0 en cor.1:2020](#), Corrigendum 1 - Connectors for electrical and electronic equipment - Part 01: Rectangular connectors - Detail specification for 8-way, shielded, free and fixed high density connectors for data transmission with frequencies up to 100 MHz and with current carrying capacity up to 1A, \$0.00

[IEC 62946-02 Ed. 1.0 en cor.1:2020](#), Corrigendum 1 - Connectors for electronic equipment - Part 02: Detail specification for 8-way, unshielded, free and fixed high density connectors for data transmission up to 250 MHz and with current carrying capacity up to 1 A, \$0.00

INSULATING MATERIALS (TC 15)

[IEC 60667-3-1 Ed. 2.0 b:2020](#), Vulcanized fibre for electrical purposes - Part 3: Specifications for individual materials - Sheet 1: Flat sheets, \$23.00

SAFETY OF HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES (TC 61)

[IEC 60335-2-118 Ed. 1.0 b:2020](#), Household and similar electrical appliances - Safety - Part 2-118: Particular requirements for professional ice-cream makers, \$199.00

SOLAR PHOTOVOLTAIC ENERGY SYSTEMS (TC 82)

[IEC 62852 Amd.1 Ed. 1.0 b:2020](#), Amendment 1 - Connectors for DC-application in photovoltaic systems - Safety requirements and tests, \$23.00

[IEC 62852 Ed. 1.1 b:2020](#), Connectors for DC-application in photovoltaic systems - Safety requirements and tests, \$410.00

IEC Technical Reports**FIBRE OPTICS (TC 86)**

[IEC/TR 61292-3 Ed. 2.0 en:2020](#), Optical amplifiers - Part 3: Classification, characteristics and applications, \$199.00

IEC Technical Specifications**SWITCHGEAR AND CONTROLGEAR AND THEIR ASSEMBLIES FOR LOW VOLTAGE (TC 121)**

[IEC/TS 63208 Ed. 1.0 en:2020](#), Low-voltage switchgear and controlgear - Security aspects, \$281.00

Proposed Foreign Government Regulations

Call for Comment

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

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

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

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

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

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

Information Concerning

American National Standards

Call for Members

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

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

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

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

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

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

Society of Cable Telecommunications

ANSI Accredited Standards Developer

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

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

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

ANSI Accredited Standards Developers

Approval of Reaccreditation

ASC A250 – Steel Doors and Frames

The reaccreditation of the Steel Door Institute's-sponsored ASC A250, Steel Doors and Frames, has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on ASC A250-sponsored American National Standards, effective March 25, 2020. For additional information, please contact: Ms. Linda Hamill, Account Manager, Wherry Associates, 30200 Detroit Road, Westlake, OH 44145; phone: 440.899.0100; e-mail: leh@wherryassoc.com.

ASC B7 – Safety Requirements for the Use and Protection of Grinding Wheels

The reaccreditation of the Unified Abrasives Manufacturers' Association's-sponsored ASC B7, Safety Requirements for the Use and Protection of Grinding Wheels, has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on ASC B7-sponsored American National Standards, effective March 25, 2020. For additional information, please contact: Ms. Linda Hamill, Account Manager, Wherry Associates, 30200 Detroit Road, Westlake, OH 44145; phone: 440.899.0100; e-mail: leh@wherryassoc.com.

ASC B74 – Abrasives

The reaccreditation of the Unified Abrasives Manufacturers' Association's-sponsored ASC B74, Abrasives, has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on ASC B74-sponsored American National Standards, effective March 25, 2020. For additional information, please contact: Ms. Linda Hamill, Account Manager, Wherry Associates, 30200 Detroit Road, Westlake, OH 44145; phone: 440.899.0100; e-mail: leh@wherryassoc.com.

National Emergency Number Association (NENA – The 9-1-1 Association)

The reaccreditation of the National Emergency Number Association (NENA – The 9-1-1 Association), an ANSI member and Accredited Standards Developer (ASD), has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on NENA-sponsored American National Standards, effective March 23, 2020. For additional information, please contact: Ms. Delaine Arnold, ENP, Committee Resource Manager, NENA – The 9-1-1 Association, 1700 Diagonal Road, Suite 500, Alexandria, VA 22314; phone: 727.312.3230; e-mail: darnold@nena.org

Remanufacturing Industries Council (RIC)

The reaccreditation of the Remanufacturing Industries Council (RIC), an ANSI member and Accredited Standards Developer (ASD), has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on RIC-sponsored American National Standards, effective March 25, 2020. For additional information, please contact: Ms. Michelle Hayes, Business Manager, Remanufacturing Industries Council, 150 Lucius Gordon Drive, Ste. 105, West Henrietta, NY 14586; phone: 585.380.8040; e-mail: mhayes@remancouncil.org.

Window Covering Manufacturers Association (WCMA)

The reaccreditation of the Window Covering Manufacturers Association (WCMA), an ANSI member and Accredited Standards Developer (ASD), has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on WCMA-sponsored American National Standards, effective March 26, 2020. For additional information, please contact: Mr. Michael Tierney, Standards Coordinator, Window Covering Manufacturers Association, 17 Faulkner Drive, Niantic, CT 06357; phone: 860.944.4264; e-mail: MTierney@kellencompany.com.

International Organization for Standardization (ISO)

Call for Members

New US TAG for ISO/TC 44/SC 15 on Underwater Welding

Scope of the TAG is standardization of all aspects of underwater welding including: procedure and performance qualification in wet and dry hyperbaric environments and classification of welding electrodes for underwater welding. The proposed TAG administrator is the American Welding Society (AWS).

Reply to the US TAG Secretary, Andrew Davis at adavis@aws.org.

Call for U.S. TAG Administrator

ISO/TC 5/SC 1 – Steel Tubes

ANSI has been informed that ASTM International, the ANSI-accredited U.S. TAG Administrator for ISO/TC 5/SC 1, wishes to relinquish their role as U.S. TAG Administrator.

ISO/TC 5/SC 1 operates in the area of Steel Tubes under the scope of ISO/TC 5:

Standardization in the field of steel tubes, cast iron pipes, flexible metallic tubes and metallic fittings, flanges, pipe supports, pipe threads and gauges, metallic and organic coatings and protections.

Excluded :

- steel for tubes (ISO / TC 17);
- aircraft pipes (ISO / TC 20);
- tubes and equipment (other than flanges) pipe threads and gauging within the field of work of the petroleum and natural gas industries (ISO / TC 67);
- connections for fluid power systems (ISO / TC 131).

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/TC 17/SC 19 – Technical Delivery Conditions for Steel Tubes for Pressure Purposes

ANSI has been informed that ASTM International, the ANSI-accredited U.S. TAG Administrator for ISO/TC 17/SC 19, wishes to relinquish their role as U.S. TAG Administrator.

ISO/TC 17/SC 19 operate under the following scope:

Maintenance of existing ISO Standards and preparation of new ISO Standards for technical delivery conditions for steel tubes for pressure purposes, in liaison with ISO/TC 5 and ISO/TC 11. Excluded from this area of work are all other standards for tubes whatever their use and particularly the standards related to ISO/TC 67 and the standards on tubes for transportation of water, gas and sewage.

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).

New Secretariats

ISO/TC 171/SC 2 – Document file formats, EDMS Systems and Authenticity of Information

Comment Deadline: April 27, 2020

The PDF Association, Inc. has requested ANSI to delegate the responsibilities of the administration of the ISO/TC 171/SC 2 secretariat to the PDF Association, Inc. The secretariat was previously held by the 3D PDF Consortium, which was recently acquired by the PDF Association, Inc., and the secretariat transfer is supported by the U.S. TAG.

ISO/TC 171/SC 2 operates under the following scope:

- Logical aspects of storage and preservation (short and long term)
- File formats
- EDMS functionalities and architecture
- Evaluations and qualification of EDMS
- Workflow
- Authenticity of information

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

ISO New Work Item Proposal

Consumer Incident Investigation Guideline

Comment Deadline: March 27, 2020

JISC, the ISO member body for Japan, has submitted to ISO a new work item proposal for the development of an ISO standard on Consumer incident investigation guideline, with the following scope statement:

An international standard (guideline) to provide a general guide for investigations of consumer incidents.

Consumer incidents are incidents where consumers suffer physical injury or death in the process of using products, services, facilities or the things related to them. Consumer incident investigation means an investigation aiming to prevent incident recurrence, and to contribute to the safety of consumers.

This document is intended to be beneficial to persons, groups, committees or organizations of all types, such as private, public, and non-profit bodies, regardless of the size of the organization which is investigating consumer incidents.

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, March 27, 2020.

ISO Proposal for a New Field of ISO Technical Activity

Lithium

Comment Deadline: April 3, 2020

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

Standardization in the field of lithium mining, concentration, extraction, separation and conversion to useful lithium compounds/materials (including oxides, salts, metals, master alloys, lithium-ion battery materials, etc.). The work program includes terminology, technical conditions of delivery to overcome transport difficulties, unified testing and analysis methods to improve the general quality of lithium products.

Excluded: Batteries

Note: Battery is a component and not a material, which can be directly used in electric vehicles, digital cameras, electric motorcycles, etc.

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, April 3, 2020.

Biodiversity

Comment Deadline: April 17, 2020

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

Standardization in the field of Biodiversity to develop requirements, principles, framework, guidance and supporting tools in a holistic and global approach for all relevant organizations, to enhance their contribution to Sustainable Development.

Excluded: standardization of test and measurement methods for ecological quality of water, air, soil and marine environment.

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, April 17, 2020.

Security Equipment for Financial Institutions and Commercial Organizations

Comment Deadline: April 17, 2020

BSI, the ISO member body for India, has submitted to ISO a proposal for a new field of ISO technical activity on Security Equipment for Financial Institutions and Commercial Organizations, with the following scope statement:

Standardization in the field of safes, cash boxes, strong room doors and safe deposit locker cabinets, ventilation equipment for strong room used in banks, financial institutions and commercial organization etc.

The standards formulated by this technical committee deals with specification and test methods of physical security products used in banks, financial institutions, commercial organization and by jewellers.

Excluded are the fields covered by ISO/TC 68 (Financial services).

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, April 17, 2020.

U.S. Technical Advisory Groups

Application for Accreditation

U.S. TAG to ISO PC 308 – Change of Custody – General Terminology and Models

Comment Deadline: April 27, 2020

Eastman has submitted an Application for Accreditation for a new proposed U.S. Technical Advisory Group (TAG) to ISO PC 308, Change of custody – General terminology and models, and a request for approval as TAG Administrator. The proposed TAG intends to operate using the Model Operating Procedures for U.S. Technical Advisory Groups to ANSI for ISO Activities as contained in Annex A of the ANSI International Procedures.

To obtain a copy of the TAG application or to offer comments, please contact: Ms. Emily Clark, Regulatory and Advocacy Lead, Product Stewardship and Regulatory Affairs, Eastman, 200 S. Wilcox, Kingsport, TN 37660; phone: 423.229.8716; e-mail: eclark@eastman.com. Please submit your comments to Eastman by April 27, 2020 (please copy jthompso@ansi.org).

Approval of TAG Accreditation

U.S. TAG to CASCO – ISO's Committee on Conformity Assessment (ICAC)

ANSI's Executive Standards Council (ExSC) has formally approved the accreditation of the U.S. Technical Advisory Group to CASCO, ISO's Committee on Conformity Assessment (ICAC) and the appointment of ANSI as TAG Administrator, effective March 23, 2020. The TAG will operate under its own accredited operating procedures. For additional information, please contact: Ms. Kristen Califra, Manager, ISO Team, ANSI, 25 West 43rd Street, 4th Floor, New York, NY 10036; phone: 212.642.4946; e-mail: kcalifra@ansi.org.

Transfer of U.S. TAG Administrator

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

The U.S. Technical Advisory Group (TAG) to ISO TC 171/SC 2, Document file formats, EDMS systems and authenticity of information has voted to approve the transfer of TAG Administrator responsibilities from its current Administrator, the 3D PDF Consortium to the PDF Association, Inc. (The PDF Association recently acquired the 3D PDF Consortium). The TAG will continue to operate with its current membership under its currently accredited Model Operating Procedures for U.S. TAGs to ANSI for ISO Activities, as contained in Annex A of the ANSI International Procedures. Please submit any comments on this action by April 27, 2020 to: Ms. Betsy Fanning, CIP, Director, Standards, PDF Association, 10 Longfellow Road, Winchester, MA 01890; phone: 571.218.9817; e-mail: betsy.fanning@pdfa.org (please copy jthompso@ansi.org). If no public comments are received, this action is formally approved, effective April 27, 2020.

Meeting Notices

Dental Standards Institute (DSI)

DSI is holding a series of meetings related to proposed American National Standards. Information is available at <http://dentalstandardsinstitute.com/>

The DSI meetings will be held as follows:

April 30, 2020 at 7:00am CDT – Dental Standards Institute Development Committee (DSIDC) business, PINS (Project Initiation Notification) review and initial formation of DSI Consensus Bodies. Public input welcome.

May 14, 2020 at 7:00am CDT – Review old Dental Standards Institute Development Committee (DSIDC) business, new DSIDC business, including update on each DSI Standard in development. Public input welcome.

June 11, 2020 at 7:00am CDT – Review old Dental Standards Institute Development Committee (DSIDC) business, new DSIDC business, including update on each DSI Standard in development. Public input welcome.

July 9, 2020 at 7:00am CDT – Review old Dental Standards Institute Development Committee (DSIDC) business, new DSIDC business, including update on each DSI Standard in development. Public input welcome.

August 13, 2020 at 7:00am CDT – Review old Dental Standards Institute Development Committee (DSIDC) business, new DSIDC business, including update on each DSI Standard in development. Public input welcome.

Contact info: To attend the meetings via Google Hangouts please email: dentalstandards@gmail.com and include "DSI Meeting" with the date and time in the subject line. In the email body, include rationale for attending meeting. Invites will be sent within 24 hours of the meeting.

Information Concerning

International Electrotechnical Commission (IEC)

USNC Participants and TAG Administrator Needed

IEC/SC 8C – Network Management

IEC approved one (1) new Subcommittee: *IEC/SC 8C: Network Management*

Individuals who are interested in becoming a participant or the TAG Administrator for SC 8C: Network Management are invited to contact Adelana Gladstein at agladstein@ansi.org as soon as possible.

Please see the scope for SC 8C below:

Scope

Standardization in the field of network management in interconnected electric power systems with different time horizons including design, planning, market integration, operation and control. SC 8C covers issues such as resilience, reliability, security, stability in transmission-level networks (generally with voltage 100kV or above) and also the impact of distribution level resources on the interconnected power system, e.g. conventional or aggregated Demand Side Resources (DSR) procured from markets.

SC 8C develops normative deliverables/guidelines/technical reports such as:

- Terms and definitions in area of network management,*
- Guidelines for network design, planning, operation, control, and market integration*
- Contingency criteria, classification, countermeasures, and controller response, as a basis of technical requirements for reliability, adequacy, security, stability and resilience analysis,*
- Functional and technical requirements for network operation management systems, stability control systems, etc.*
- Technical profiling of reserve products from DSRs for effective market integration.*
- Technical requirements of wide-area operation, such as balancing reserve sharing, emergency power wheeling.*



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

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

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

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

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

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

Note: Only revisions in underline or strikethrough are available for comment at this time.

ARCOSA/ASPE 63: Rainwater Catchment Systems



Fourth Public Review Draft

ARCOSA/ASPE 63: Rainwater Catchment Systems (Normative)

4.0 DESIGN AND INSTALLATION REQUIREMENTS

4.9 Potable Water Applications

4.9.6 Water Disinfection

4.9.6.1 To conform to the minimum water quality standards for potable water specified in Table 4.1, one of the following disinfection methods shall be used:

- a. Chlorination may be used with an automated demand feed system and, if used, shall enable adequate contact time and residual according to local health authorities.
- b. Ozone may be used with an approved ozone system ensuring adequate contact time with the ozone. Provision must be made to off-gas ozone to a safe environment.
- c. Ultraviolet disinfection may be used and shall be provided between final filtration (5 micron maximum) and final point of use. UV systems shall be listed for the applicable use per the requirements of NSF 55 Class A devices.

d. Other technologies may be used for disinfection if the product is certified by an accredited certification body to the performance requirements in the U.S. EPA Guide Standard and Protocol for Testing Microbiological Water Purifiers or to NSF Protocol P231.

Background:

During the February 9 29, 2020 review of the comments issued during document D053's ballot, several items were proposed and accepted by the assembled subcommittee that were considered a substantive change. As such, these changes require formal approval.

This ballot contains the items requiring approval. Accordingly, public review is specific to only the items below, with all comments submitted that are deemed to be unrelated will be considered as new business for the consensus body.

Ballot Content:

To the approved content of Draft Document D053 that is to be formally identified as BICSI 007-2020, do the following three items:

Note: For all items, addition(s) are indicated by underline, with deletion(s) indicated by ~~strikethrough~~.

Item 1)

Make the following deletion within *Section 7.2's Requirements*

Rationale: This requirement conflicts with requirements within Chapter 5 concerning HCPs and unnecessarily restricts the use of allowed alternative cabling topologies.

7 Building and Facility Systems

7.2 Building Management

7.2.2 Requirements

~~Active components and equipment shall only be installed at the ends of the link.~~

Building management system networks supporting mission-critical facilities shall be highly reliable and available.

Item 2)

Modify the requirements for optional fire alarm integrations to reflect current industry practice.

Rationale: There are multiple AHJs within most areas that also have compliance requirements related to fire alarm and related system integrations.

9 Electronic Safety and Security Systems

9.4 Intrusion Detection Systems

9.4.8 Optional Integrated Equipment

9.4.8.2 Requirements

Addition of any fire alarm device to an IDS can change the classification of the system from IDS to fire alarm.

~~Ensure compliance with all applicable fire alarm codes and standards.~~ Such additions or integrations shall comply with all applicable fire alarm codes, standards, and AHJ requirements.

OFFICIAL BALLOT COPY

Item 3)

Add requirements to Section 9.8 specific to PoE powered emergency communication systems

9 Electronic Safety and Security Systems

9.8 Emergency Communications Systems

9.8.2 Requirements

Emergency communications systems may be powered by PoE. Where PoE is utilized, systems shall comply with Section 6.3. All secondary power sources shall comply with applicable codes and standards (e.g., NFPA 72).

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Revision to NSF/ANSI 40-2019
Issue 35 Revision 3 (February 2020)

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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 **gray highlighting**. Rationale statements are in *italics* and only used to add clarity; these statements will NOT be in the finished publication.]

NSF/ANSI Standard
For Wastewater Technology –

Residential Wastewater –
Treatment Systems

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3 Definitions

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3.XX security fastener: A fastener that requires a tool other than a slotted or Philips driver for installation or removal.

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3 Definitions

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5.7 Access ports

5.7.1 The system shall be demonstrated to have ground-level access ports that are sized and located to facilitate the installation, removal, sampling, examination, maintenance, and servicing of components and compartments that require routine maintenance and inspection.

The ground-level access ports shall be of sufficient size and located so as to allow for the following:

- visual inspection and removal of all mechanical or electrical components;
- periodic cleaning or replacement of components and removal of residuals as required by the manufacturer in the operations and maintenance manual;

NOTE — Periodic refers to all procedures specified in the manufacturer’s operation and maintenance manual that must be performed within intervals of two years.

- visual inspection and sampling as required by the manufacturer in the operations and maintenance manual, including a means for collecting a representative effluent sample and determining the need for residuals removal; and
- removal (manually or by pumping) of collected residuals as required by the manufacturer in the operations and maintenance manual. If the operations and maintenance manual describes a means to

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determine the need to remove residuals from a chamber without ground-level access, then only the ability to install ground-level access shall be required. Systems without ground-level access to a chamber shall be equipped with a means to locate the opening to the chambers. This information shall be provided on or in a ground-level access opening.

5.7.2 Access ports shall be protected against unauthorized intrusions. Acceptable protective measures include, but are not limited to:

- a padlock;
- a cover that can be removed only with specialized tools installed using security fasteners; or
- a cover having a minimum net weight of 29.5 kg (65 lb).

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Rationale: incorporate language clarifying the term "specialized tools".

NSF/ANSI Standard
 for Residential Wastewater Treatment Systems –

Residential Wastewater Treatment Systems – Nitrogen Reduction

3 Definitions

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3.XX security fastener: A fastener that requires a tool other than a slotted or Philips driver for installation or removal.

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5 Design and construction

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5.7 Access ports

1.1.1 5.7.1 The system shall be demonstrated to have ground-level access ports that are sized and located to facilitate the installation, removal, sampling, examination, maintenance, and servicing of components and compartments that require routine maintenance and inspection.

The ground-level access ports shall be of sufficient size and located so as to allow for the following:

- visual inspection and removal of all mechanical or electrical components;
- periodic cleaning or replacement of components and removal of residuals as required by the manufacturer in the operations and maintenance manual;

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NOTE — “Periodic” refers to all procedures specified in the manufacturer’s operation and maintenance manual that must be performed within intervals of 2 y.

— visual inspection and sampling as required by the manufacturer in the operations and maintenance manual, including a means for collecting a representative effluent sample, determining the need for residuals removal and determining the need for replenishing treatment chemicals (if required); and

— removal (manually or by pumping) of collected residuals as required by the manufacturer in the operations and maintenance manual. If the operation and maintenance manual describes a means to determine the need to remove residuals from a chamber without ground-level access, then only the ability to install ground-level access shall be required. Systems without ground-level access to a chamber shall be equipped with a means to locate the opening to the chambers. This information shall be provided on or in a ground-level access opening.

5.7.2 Access ports shall be protected against unauthorized intrusions. Acceptable protective measures include, but are not limited to:

- a padlock;
- a cover that can be removed only with specialized tools installed using security fasteners; or
- a cover having a minimum net weight of 29.5 kg (65 lb).

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Rationale: incorporate language clarifying the term “specialized tools”.

NSF/ANSI Standard
For Wastewater Technology –

Onsite Residential and Commercial Water Reuse Treatment Systems

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3 Definitions

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3.XX security fastener: A fastener that requires a tool other than a slotted or Philips driver for installation or removal.

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5 Design and construction

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5.7 Access ports

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 Revisions for 40i35r3, 245i17r3, and 350i48r3

Revision to NSF/ANSI 40-2019
 Issue 35 Revision 3 (February 2020)

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5.7.1 The system shall be demonstrated to have access ports that are sized and located to facilitate the installation, removal, sampling, examination, maintenance, and servicing of components and compartments that require routine maintenance and inspection. Systems installed below grade shall include ground level access ports.

The access ports shall be of sufficient size and located so as to allow for the following:

- visual inspection and removal of all mechanical or electrical components;
- periodic cleaning or replacement of components and removal of residuals as required by the manufacturer in the operation and maintenance manual;

NOTE — Periodic refers to all procedures specified in the manufacturer's operation and maintenance manual that must be performed within intervals of two years.

- visual inspection and sampling as required by the manufacturer in the operation and maintenance manual, including a means for collecting a representative effluent sample and determining the need for residuals removal;
- removal (manually or by pumping) of collected residuals as required by the manufacturer in the operation and maintenance manual; and
- removal of stored treated or untreated reuse water.

5.7.2 Access ports shall be protected against unauthorized intrusions by methods compatible with the size of the access port. Acceptable protective measures for access ports that allow personal entry include, but are not limited to:

- a padlock;
- a cover that can be removed only with specialized tools installed using security fasteners; or
- a cover having a minimum net weight of 29.5 kg (65 lb).

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Rationale: incorporate language clarifying the term "specialized tools".

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NSF/ANSI Standard for Drinking Water Treatment Units –

Drinking Water Treatment Units – Aesthetic Effects

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4 Materials

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4.2 Materials evaluation

4.2.3 Exposure

4.2.3.1 The system or component(s) of a system shall be installed, flushed, and conditioned in accordance with the manufacturer's instructions using the exposure water specified in Section 4.2.2 at an initial inlet static pressure of 340 kPa (50 psig).

4.2.3.1.1 For powdered activated carbon and polymer binders ~~media~~ finer than 100 mesh, testing shall be conducted in flasks with a ratio of 200 g media to 1 L of exposure water specified in Section 4.2.2. For other media additives finer than 100 mesh, testing shall be conducted in flasks at the dose specified by manufacturer's instructions to 1 L of exposure water specified in Section 4.2.2. Testing shall be completed at ambient atmospheric pressure and at a temperature of 23 ± 2 °C (73 ± 3 °F). Sufficient flasks shall be utilized to collect a minimum of 600 mL of water at each pour off, or the necessary volume for analysis, whichever is greater. The flasks shall be shaken vigorously for 1 min and allowed to settle for 24 h. After 24 h of exposure, the sample water shall be collected and retained. The flask shall be refilled with the same volume of exposure water that was extracted. The flasks will be shaken vigorously for one minute and allowed to settle for 24 h. A second water sample shall be collected and the flasks refilled. The flasks shall be shaken vigorously for 1 minute and allowed to settle for 24 h. A third water sample shall be collected. All samples collected shall be composited and analyzed in accordance with Section 4.2.1. One control flask with 2 L of exposure water shall be processed in the same manner as above.

Rationale: Added clarification to method for powdered activated carbon and polymer binders per 2019 DWTU JC meeting discussion (May 8, 2019).

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NSF/ANSI Standard
for Joint Committee on GMP for Dietary Supplements –

Good Manufacturing Practices for Dietary Supplements

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4 Audit Requirements

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4.5 Operation

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4.5.81 Environmental Monitoring Program shall be risk based to include controls to evaluate and mitigate the presence of non-pathogenic microorganisms in production areas and equipment. If environmental monitoring program includes pathogen testing in product contact zones, the production area and equipment shall not be used until the area is cleaned and proven free of pathogens.

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Rationale: Adds an environmental monitoring program requirement to ensure product safety.

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NSF/ANSI/CAN Standard
for Recreational Water Facilities –

Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and other Recreational Water Facilities

Evaluation criteria for materials, components, products, equipment, and systems for use at recreational water facilities

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15 Ultraviolet (UV) light process equipment

15.1 General

UV light process equipment covered by this section is intended for the secondary and supplemental treatment of public and residential swimming pools and spas / hot tubs. Since these products are not intended to produce residual levels of disinfectant within the body of the swimming pool or spa, these products are intended for use with appropriate residual levels of EPA registered disinfecting chemicals. Specific residual levels of EPA registered disinfecting chemicals may be required by the regulatory agency having authority. The residual chemical shall be easily and accurately measurable by a field test kit.

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15.5 Performance indication

A supplemental UV system shall be provided with an effective means to alert the user when a component of this equipment is not operating.

~~A secondary UV system shall incorporate on the control panel a constantly visible readout of the actual flow (in US GPM), the actual calculated dose (in mJ/cm²) and the actual lamp intensity (in w/m²). It is acceptable for the display to constantly cycle through the parameters. The cycle duration shall not take more than 15 s.~~

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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 gray highlighting. Rationale statements are in *italics* and only used to add clarity; these statements will NOT be in the finished publication.]

NSF/ANSI/CAN Standard for Drinking Water Additives –

Drinking Water System Components – Health Effects

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Normative Annex 1 (formerly Annex B)

Product / material evaluation

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N-1.8.9.2 Calculations

The test statistic depends upon the log-dosage mean and standard deviation. These values are derived as follows. Calculate the natural log-transformed value $Y_{ij} = \ln(X_{ij})$ of the original data values. For each of the products tested, calculate the product dosage D_i across the nine measured days, where:

$$D_i = e^{Y_i}$$

and

$$Y_i = \frac{(Y_{i3} + Y_{i4} + Y_{i5} + Y_{i10} + Y_{i11} + Y_{i12} + Y_{i17} + Y_{i18} + Y_{i19})}{9}$$

Calculate the log-dosage mean of Y_i and the log-dosage standard deviation of Y_i for each product, where:

$$\text{log-dosage mean} = \frac{\sum_{i=1}^n Y_i}{n}$$

and

$$\text{log-dosage standard deviation} = \sqrt{\frac{\sum_{i=1}^n (Y_i - \bar{Y})^2}{(n-1)}}$$

Rationale: Readded instructions to first calculate the natural log-transformed value for each test result. It was recently discovered that this had been inadvertently removed in a previous edition of the standard (61-2003).

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

1. Clarification of Requirements in Sections 8 and 11

11.1.1 This test is intended to be performed on materials that due to their thinness, distort and/or shrink and/or are consumed up to the holding clamp when tested using the test described in the 20 mm Vertical Burning Test; V-0, V-1, or V-2, Section 8. The test specimens used in this test method shall be limited to a maximum thickness of 0.250 mm. The materials shall also possess physical properties that will allow a 200 ±5 mm long by 50 ±1 mm wide specimen to be wrapped longitudinally around a 13 mm diameter mandrel (see 11.3.2).

Exception No. 1: A test specimen with a thickness less than 0.025 mm shall not be subjected to the 20 mm Vertical Burning Test; V-0, V-1, or V-2 in Section 8 prior to conducting the Thin Material Burning Test; VTM-0, VTM-1, or VTM-2 in Section 11.

Exception No. 2: A test specimen with a thickness less than or equal to 0.25 mm, but greater than or equal to 0.025 mm, that is capable of meeting the physical property of both the 20-mm Vertical Burning Test; V-0, V-1, or V-2 (Section 8) and the Thin Material Burning Test; VTM-0, VTM-1, or VTM-2 (Section 11) shall be evaluated by the test of choice.

Exception No. 3: A test specimen with a thickness greater than 0.250 mm shall may be subjected to the Thin Material Burning Test; VTM-0, VTM-1, or VTM-2 in Section 11 only if the specimen distorts and/or shrinks and/or is consumed up to the holding clamp when tested according to the 20 mm Vertical Burning Test; V-0, V-1 or V-2 in Section 8.

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BSR/UL 758, Standard for Safety for Appliance Wiring Material

PROPOSALS

1. 20k-V Rated AWM, Revised Tables 29.1 and 49.1

Table 29.1*Dielectric voltage-withstand test potentials*

Voltage rating, V AC	Conductor sizes, AWG	Dielectric test potential, V AC
30	All	500
60, 90	All	1000
125, 150	All	1500
250 ^a	All	2000
300, voltage not specified ^a	All	2000
600	2 and smaller	2000
600	1 - 4/0	2500
600	250 - 500 kcmil	3000
600	500 - 1000 kcmil	3500
600	1100 - 2000 kcmil	4000
1000 - 20,000 15,000	All	2 times the rated voltage + 1000 V AC or DC
600V DC	All	2000 V DC or AC
Over 600V or less than 3kV DC	All	2 times the rated voltage + 1000 V DC or AC

^a250 V and 300 V AC wires complying with Table 3.2 are to be tested at 1500 V.

Table 49.1*DC dielectric voltage-withstand test potentials*

Voltage rating	Conductor sizes, AWG	Dielectric test potential, V DC
30 V AC	All	1000
60, 90 V AC	All	1500
125, 150 V AC	All	2500
250 ^a V AC	All	3000
300, voltage not specified ^a V AC	All	3000
600 V AC	2 and smaller	3000
600 V AC	1 - 4/0	4000
600 V AC	250 - 500 kcmil	4500
600 V AC	500 - 1000 kcmil	5000

600 V AC	1100 - 2000 kcmil	6000
1000 - 20,000 15,000 V AC		6 times the rated voltage
Any DC rated		2 times the rated voltage + 1000 V
^a 250 V and 300 V AC wires complying with Table 3.2 are to be tested at 4500 V.		

2. Correction to the Cable Diameter Limit for Which Die Cut Samples are Specified, Revised 14.2

14.2 Five specimens each shall be tested in both unaged and air oven aged conditions. Jackets from cables less than 0.200 inches (5.08 mm) in core diameter may be tested tubular. Jackets from cables equal to or greater larger than 0.200 inches in core diameter shall be tested die-cut. When testing is to be conducted in accordance with Dry temperature rating of new materials (long-term aging test) in the Standard for Wire and Cable Test Methods, UL 2556, six specimens shall be tested.

3. Proposed Change to Shielded FFC Products; Shielded Withstand Voltage Test, Addition of New Exception

49.1 The dielectric test shall be performed by the manufacturer on 100 percent of production where a metallic shield is placed over insulated conductors. Where no metallic shield is present, non-shielded cables may be tested with the Production-Line Dielectric Test, Section 49, on 100 percent of production as an alternate method to Cut-Piece Dielectric Voltage Withstand Test, Section 48A.

Exception: The requirement to apply a dielectric test on the finished product is not required if (a) - (e) all apply:

- a) The product is a laminated, flat cable;
- b) The cable was subjected to a dielectric test prior to application of the shield;
- c) The shield material is a metal foil or film;
- d) Shields are applied before or after the cable is cut to the required length;
and
- e) A metallic shield grounding layer is part of the integral construction.

BSR/UL 1332, Standard for Organic Coatings for Steel Enclosures for Outdoor Use Electrical Equipment

1. Revision of Requirements for the Test for Percent Insoluble Solids in Appendix A

A5.1.3 The following reagents, materials and equipment are to be used for the test.

- a) An analytical balance capable of weighing to 0.001 gram,
- b) A centrifuge,
- c) Centrifuge tubes, capacity 50 milliliters,
- d) A gravity-convection oven with thermostatic control,
- e) A water bath at 65°C (149°F) in fume hood,
- f) A desiccator with anhydrous calcium chloride desiccant, and
- g) The appropriate solvent, reagent grade (acetone, benzene, chloroform, or the like).

A5.2 Test procedure

A5.2.1 Weighed samples of approximately 5 grams are to be placed in weighed centrifuge tubes. The samples are to be treated with four successive portions of an appropriate solvent (15 milliliters each) in a centrifuge at approximately 3,500 rpm for approximately 20 at least 60 minutes (or shorter if appropriate separation is achieved) with the supernatant liquid being decanted from the tube after each treatment. The insoluble residue is then to be heated dried to remove the solvent. Drying may be performed by heating in the centrifuge tube on a steam bath or by allowing to stand at ambient temperature until free from the visible solvent, and then dried in an electrically heated oven at 105°C ±3°C (221 ±7°F) for approximately 24 hours, and weighed.

BSR/UL 1424, FOR CABLES FOR POWER- LIMITED FIRE-ALARM CIRCUITS,

The proposed additions to the previously proposed requirements dated 2020-01-31 are shown underlined and proposed deletions are shown ~~lined-out~~.

Topic 1 Addition of ST-1**PROPOSAL****23.4 Vertical-tray fire and smoke-release test for cables with "ST-1" marking**

23.4.1 Each type of power limited fire alarm cable that is surface marked "ST-1" in accordance with 44.1(q) shall comply with the limits for smoke release and cable char height stated in the Standard for Vertical-Tray Fire-Propagation and Smoke-Release Test for Electrical and Optical-Fiber Cables, UL 1685, when sets of specimens as described in 23.4.2 are tested in either of the flame exposures described in UL 1685 with smoke measurements included.

Deleted: circuit cable or PLTC

23.4.2 The test specimens shall be of the complete, finished cable. The test specimens shall be representative of the entire size range that the manufacturer intends to produce in each construction made. Specimens for a UL 1685 fire test typically consist of the smallest, largest, and an intermediate diameter that the manufacturer intends to produce in each construction made. Where the UL 1685 limits are exceeded by the smoke released and/or the cable char height for any set of specimens tested, compliance in tests of additional sets of specimens is required to qualify the full size range desired by the manufacturer.

44 Information on or in the Cable

44.1 The following information shall appear at the intervals indicated in 42.1 throughout the entire length of the finished cable. Except for (a)(2), the sequence of items is not specified. Other information, where added, shall not confuse or mislead and shall not conflict with these requirements. See 47.1 and 47.2 for date marking.

q) The designation ST-1 (signifying "limited smoke") added as a suffix immediately following the type letters for each cable construction that complies with the fire and smoke requirements in one of the alternative tests referenced in 23.4.1 of this Standard and described in the Standard for Vertical-Tray Fire-Propagation and Smoke-Release Test for Electrical and Optical-Fiber Cables, UL 1685. This marking is not required.

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BSR/UL 1479-202x, Standard for Safety for Fire Tests of Penetration Firestops

1. Modify W Rating Criteria for Pressure Head

PROPOSAL

8.3.7 The minimum pressure within the water leakage test chamber shall be a minimum of 3 ft of water (1.3 psig) applied for a minimum of 72 h. The pressure head shall be measured at the horizontal plane at the top of the water seal.

A1 Background information for the W-Rating

A1.1 The 3 ft water pressure head was selected for three reasons:

- a) To provide a safety factor of 3 for a maximum anticipated water accumulation of 12 in (305 mm).
- b) Some penetrating items may be sealed at the bottom of a floor, which could be of significant thickness, which will create a significant water column even if water is only a few inches deep at the floor above.
- c) To accommodate the possibility that some firestop seals will be used in walls of sub-grade buildings which could have a substantial water accumulation.
- d) To accommodate areas where metric dimensions are preferred, there is an option to test 1 meter of water (39.37 inches).

A1.2 The W rating may be applicable for building structures whose floors are subjected to incidental standing water and/or for buildings which house critical equipment as described in the Standard for the Protection of Information Technology Equipment, NFPA 75 and the Standard for the Fire Protection of Telecommunications Facilities, NFPA 76.

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