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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: July 22, 2018

NSF (NSF International)

Revision

BSR/NSF 4-201x (i27r1), Commercial Cooking, Rethermalization, and Powered Hot Food Holding and Transportation Equipment (revision of ANSI/NSF 4-2016)

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

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

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

NSF (NSF International)

Revision

BSR/NSF 42-201x (i97r2), Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2017)

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

NSF (NSF International)

Revision

BSR/NSF 44-201x (i44r2), Residential Cation Exchange Water Softeners (revision of ANSI/NSF 44-2017)

The purpose of this Standard is to establish minimum requirements for materials, design and construction, and performance of residential cation exchange water softeners. This Standard also specifies the minimum product literature that manufacturers shall supply to authorized representatives and owners, as well as the minimum service-related obligations that manufacturers shall extend to owners.

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

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

NSF (NSF International)

Revision

BSR/NSF 53-201x (i112r2), Drinking Water Treatment Units - Health Effects (revision of ANSI/NSF 53-2017)

It is the purpose of this Standard to establish minimum requirements for materials, design and construction, and performance of point-of-use and point-of-entry drinking water treatment systems that are designed to reduce specific health-related contaminants in public or private water supplies. Such systems include point-of-entry drinking water treatment systems used to treat all or part of the water at the inlet to a residential facility or a bottled water production facility, and includes the material and components used in these systems. 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 copy to psa@ansi.org) to: mleslie@nsf.org

NSF (NSF International)

Revision

BSR/NSF 55-201x (i45r2), Ultraviolet Microbiological Water Treatment Systems (revision of ANSI/NSF 55-2017)

The purpose of this Standard is to establish minimum requirements for the reduction of microorganisms using ultraviolet radiation (UV). UV water treatment systems covered by this Standard are intended for water that may be either microbiologically safe or microbiologically unsafe. 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 copy to psa@ansi.org) to: mleslie@nsf.org

NSF (NSF International)

Revision

BSR/NSF 58-201x (i80r2), Reverse Osmosis Drinking Water Treatment Systems (revision of ANSI/NSF 58-2017)

The purpose of this Standard is to establish minimum requirements for materials, design and construction, and performance of reverse osmosis drinking water treatment systems. This Standard also specifies the minimum product literature that manufacturers shall supply to authorized representatives and owners, as well as the minimum service-related obligations that manufacturers shall extend to system owners.

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

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

NSF (NSF International)

Revision

BSR/NSF 140-201x (i27r1), Sustainability Assessment for Carpet (revision of ANSI/NSF 140-2015)

This Standard is intended to enable organizations throughout the carpet supply chain to apply performance requirements to achieve sustainable attributes and demonstrate compliance with levels of achievement through quantifiable metrics. The Standard is inclusive, is based on life cycle assessment (LCA) principles, and provides benchmarks for continuous improvement and innovation.

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

Send comments (with copy to psa@ansi.org) to: Kianda Franklin, kfranklin@nsf.org

NSF (NSF International)**Revision**

BSR/NSF 350-201x (i34r1), Onsite Residential and Commercial Water Reuse Treatment Systems (revision of ANSI/NSF 350-2017a)

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

NSF (NSF International)**Revision**

BSR/NSF 401-201x (i10r2), Drinking water treatment units - Emerging compounds/incidental contaminants (revision of ANSI/NSF 401-2017a)

The purpose of this Standard is to establish minimum requirements for materials, design and construction, and performance of drinking water treatment systems that are designed to reduce emerging compounds in public or private water supplies, such as pharmaceutical, personal care products (PPCPs), and endocrine disrupting compounds (EDCs).

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

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

NSF (NSF International)**Revision**

BSR/NSF 419-201x (i5r1), Public Drinking Water Equipment Performance - Membrane Filtration (revision of ANSI/NSF 419-2015)

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

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

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

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

BSR/UL 73-201x, Standard for Safety for Motor-Operated Appliances (revision of ANSI/UL 73-2012)

This proposal for UL 73 covers: (1) Exception for "special-purpose mercury-based lamps."

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

Send comments (with copy to psa@ansi.org) to: Amy Walker, (847) 664 -2023, Amy.K.Walker@ul.com

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

BSR/UL 252-201x, Standard for Safety for Compressed Gas Regulators (revision of ANSI/UL 252-2017)

The following is being proposed: (1) Clarification of inlet and outlet fittings and adding propylene to the Volume Change and Weight Loss tests.

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

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

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

BSR/UL 330B-201x, Standard for Safety for Hose and Hose Assemblies for Use with Dispensing Devices Dispensing Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends with Nominal Biodiesel Concentrations Up to 20 Percent (B20), Kerosene, and Fuel Oil (revision of ANSI/UL 330B-2015)

The following is being proposed: (1) Revision to construction and marking sections regarding threads and couplings.

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

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

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

BSR/UL 507-201x, Standard for Safety for Electric Fans (revision of ANSI/UL 507-2017d)

This proposal for UL 507 covers: (1) Allow exception from abnormal test requirements for units with screw-based LED lighting; (2) Marking requirement for evaporative coolers shipped without motors.

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

Send comments (with copy to psa@ansi.org) to: Amy Walker, (847) 664 -2023, Amy.K.Walker@ul.com

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

BSR/UL 1004-1-201X, Standard for Safety for Rotating Electrical Machines - General Requirements (revision of ANSI/UL 1004-1-2017)

This recirculation proposal provides revisions to the UL 1004-1 proposal dated 2-23-18.

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

Send comments (with copy to psa@ansi.org) to: Jonette Herman, (919) 549 -1479, Jonette.A.Herman@ul.com

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

BSR/UL 2196-201x, Standard for Safety for Standard for Fire Test for Circuit Integrity of Fire Resistive Power, Instrumentation, Control and Data Cables (revision of ANSI/UL 2196-2017)

Document dated 06-22-18 recirculates changes that were originally proposed on 02-23-18.

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

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

Comment Deadline: August 6, 2018

AAFS (American Academy of Forensic Sciences)

New Standard

BSR/ASB BPR 037-201x, Guidelines for Opinions and Testimony in Forensic Toxicology (new standard)

This document delineates the guidelines for practices in forensic toxicology opinions and testimony.

Single copy price: Free

Obtain an electronic copy from: <http://asb.aafs.org/>

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

Send comments (with copy to psa@ansi.org) to: asb@aafs.org. 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: <https://asb.aafs.org/notification-of-standard-development-and-coordination/>.

AAFS (American Academy of Forensic Sciences)

New Standard

BSR/ASB Std 038-201x, Standards for Internal Validation of Forensic DNA Testing Methods (new standard)

This document details general requirements for performing an internal validation of all forensic DNA testing methods within a forensic DNA laboratory. Document and comments template can be viewed on the AAFS Standards Board website at: <https://asb.aafs.org/notification-of-standard-development-and-coordination/>.

Single copy price: Free

Obtain an electronic copy from: <http://asb.aafs.org/>

Order from: <http://asb.aafs.org/> or asb@aafs.org

Send comments (with copy to psa@ansi.org) to: <https://asb.aafs.org/notification-of-standard-development-and-coordination/>

AGSC-AGRSS

Revision

BSR AGSC/AGRSS 004-201x, Auto Glass Safety Council/Automotive Glass Replacement Safety Standard (revision and redesignation of ANSI AGSC/AGRSS 003-2015)

An automotive glass replacement safety standard addressing procedures, education and product performance for motor vehicles falling within the guidelines of FMVSS 212/208.

Single copy price: \$39.00

Obtain an electronic copy from: kbimber@agsc.org

Order from: Kathy Bimber, (540) 602-3263, kbimber@agsc.org

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

API (American Petroleum Institute)

Supplement

BSR/API Specification 19G2-201x, Flow-Control Devices for Side-Pocket Mandrels (supplement to)

Provides requirements for subsurface flow-control devices used in side-pocket mandrels (called flow-control devices in this standard) intended for use in the worldwide petroleum and natural gas industry. This includes requirements for specifying, selecting, designing, manufacturing, quality-control, testing, and preparation for shipping of flow-control devices. Additionally, it includes information regarding performance testing and calibration procedures.

Single copy price: Free

Obtain an electronic copy from: goodmanr@api.org

Order from: Roland Goodman, (202) 682-8571, goodmanr@api.org

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

ASABE (American Society of Agricultural and Biological Engineers)

Revision

BSR/ASAE S279.18 MONYEAR-201x, Lighting and Marking of Agricultural Equipment on Highways (revision and redesignation of ANSI/ASAE S279.17 -2013 (R2017))

This Standard provides specifications for lighting and marking of agricultural equipment whenever such equipment is operating or is traveling on a highway.

Single copy price: \$65.00

Obtain an electronic copy from: vangilder@asabe.org

Order from: Carla VanGilder, (269) 932-7015, vangilder@asabe.org

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

ASC X9 (Accredited Standards Committee X9, Incorporated)

Revision

BSR X9.100-140-201x, Image Replacement Document (IRD) (revision of ANSI X9.100-140-2016)

This standard provides the financial industry with a specification for an Image Replacement Document (IRD) that provides for a machine-readable substitute document created from the image that is made from the front and back of the original check.

Single copy price: \$100.00

Order from: Ambria Frazier, (410) 267-7707, Ambria.frazier@x9.org

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

ASME (American Society of Mechanical Engineers)

Revision

BSR/ASME A17.1/CSA B44-201x, Safety Code for Elevators and Escalators (revision of ANSI/ASME A17.1/CSA B44-2016)

This standard covers safety requirements for elevators, escalators, dumbwaiters, moving walks, and material lifts.

Single copy price: Free

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

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

Send comments (with copy to psa@ansi.org) to: Geraldine Burdeshaw, (212) 591-8523, burdeshawg@asme.org

AWS (American Welding Society)**Revision**

BSR/AWS A5.34/A5.34M-201x, Specification for Nickel-Alloy Flux Cored and Metal Cored Welding Electrodes (revision of ANSI/AWS A5.34/A5.34M-2013)

This specification prescribes requirements for the classification of flux-cored and metal-cored nickel-alloy electrodes. For flux-cored electrodes, testing determines the chemical composition, mechanical properties, soundness of the weld metal, and the welding position usability characteristics of the electrode using the specified shielding gas. For metal cored electrodes, testing determines the chemical composition, using the chemical compositions specified in AWS A5.14/A5.14M. This specification includes those compositions in which the nickel content exceeds that of any other element, but excludes nickel-base alloy compositions intended for the joining of cast irons. The electrodes classified in this standard are commonly used in open arc, submerged arc, and electroslag welding processes. This specification makes use of both U.S. customary units and the International System of Units (SI). Since these are not equivalent, each system must be used independently of the other.

Single copy price: \$36.00

Obtain an electronic copy from: gupta@aws.org

Order from: Rakesh Gupta, (305) 443-9353 EXT 301, gupta@aws.org

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

B11 (B11 Standards, Inc.)**New Standard**

BSR B11.26-201X, Functional Safety for Equipment (Electrical/Fluid Power Control Systems) - Application of ISO 13849 - General Principles for Design (new standard)

This American National Standard provides some requirements but primarily, guidance in understanding and implementing safety-related control functions (functional safety) as they relate to electrical, electronic, pneumatic, hydraulic components, and systems. Informative Note: This document includes a large number of detailed open-architecture schematic circuit diagrams that are provided as EXAMPLE circuits only. They are non-vendor-specific and are "field-ready" meaning they are based on actual circuitry/products that have been successfully implemented in commerce. This document is not intended to address PES/PED and references ISO 13849-2.

Single copy price: \$85.00

Obtain an electronic copy from: cfelinski@b11standards.org

Send comments (with copy to psa@ansi.org) to: Chris Felinski, (832) 446-6999, cfelinski@b11standards.org

BHMA (Builders Hardware Manufacturers Association)**Revision**

BSR/BHMA A156.12-201x, Interconnected Locks (revision of ANSI/BHMA A156.12-2013)

This Standard establishes performance requirements for Interconnected Locks and includes operational, cycle, strength, material evaluation, security, and finish tests.

Single copy price: 36.00 (non-members); \$18.00 (BHMA members)

Obtain an electronic copy from: MTierney@kellenccompany.com

Send comments (with copy to psa@ansi.org) to: MTierney@Kellenccompany.com

BHMA (Builders Hardware Manufacturers Association)**Revision**

BSR/BHMA A156.25-201x, Electrified Locking Devices (revision of ANSI/BHMA A156.25-2013)

Electrified locking systems are usually comprised of four functional components: locking devices, input devices, controlling devices, and power supplies. This standard establishes requirements for the locking devices, whose mechanical aspects are described in the applicable BHMA product standards; in addition, where the input or controlling device or both are an integral part of the locking device, they shall also be tested with the locking device covered by this standard. This standard includes requirements for cyclical, security, operational, strength, and environmental tests for these products.

Single copy price: 36.00 (non-members); \$18.00 (BHMA members)

Obtain an electronic copy from: MTierney@Kellenccompany.com

Send comments (with copy to psa@ansi.org) to: MTierney@Kellenccompany.com

MHI (Material Handling Industry)**New Standard**

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

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

Single copy price: \$50.00

Obtain an electronic copy from: pdavison@mhi.org

Order from: Patrick Davison, (704) 714-8755, pdavison@mhi.org

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

MHI (Material Handling Industry)**Revision**

BSR MH28.3-201x, Design, Testing and Utilization of Industrial Steel Work Platforms (revision of ANSI MH28.3-2009)

This standard applies to industrial steel work platforms. An industrial steel work platform is typically a prefabricated free-standing non-building structure similar to a building with an elevated floor surface that utilizes a pre-designed framing system and is located within an industrial or similarly restricted environment. Flooring may include other structural or non-structural elements such as, but not limited to, concrete, steel, and engineered wood-products. This Standard is intended to be applied to the design, testing and utilization of such structures. Industrial steel work platforms are referred to in this standard as just "work platforms" or "platforms". This Standard does not apply to platforms whose structural framing components are not made from steel.

Single copy price: \$50.00

Obtain an electronic copy from: pdavison@mhi.org

Order from: Patrick Davison, (704) 714-8755, pdavison@mhi.org

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

NECA (National Electrical Contractors Association)**Revision**

BSR/NECA 413-201X, Standard for Installing and Maintaining Electric Vehicle Supply Equipment (EVSE) (revision of ANSI/NECA 413-2012)

This standard describes the procedures for installing and maintaining Level 1, Level 2, and Level 3 Electric Vehicle Supply Equipment (EVSE).

Single copy price: \$25.00 (NECA members); \$50.00 (non-members)

Obtain an electronic copy from: neis@necanet.org

Order from: Melissa West, (301) 215-4544, melissa.west@necanet.org

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

NSF (NSF International)**New Standard**

BSR/NSF 455-2-201x (i1r1), Good Manufacturing Practices for Dietary Supplements (new standard)

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.

Single copy price: Free

Obtain an electronic copy from: https://standards.nsf.org/apps/group_public/download.php/43210/455-2i1r1%20-%20GMP%20for%20Dietary%20Supplements%20-%20JC%20memo%20&%20ballot.pdf

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

SBCA (Structural Building Components Association)**Reaffirmation**

BSR/SBCA FS 100-2012 (R201x), Standard Requirements for Wind Pressure Resistance of Foam Plastic Insulating Sheathing Used in Exterior Wall Covering Assemblies (reaffirmation of ANSI/SBCA FS 100-2012)

This standard establishes wind pressure resistance requirements for Foam Plastic Insulating Sheathing (FPIS) products used as exterior wall sheathing, including use as continuous insulation, in exterior wall covering assemblies.

Single copy price: Free

Obtain an electronic copy from: https://www.sbcindustry.com/sites/default/files/uploads/attachments/node/281/ansi_sbca_fs_100_2012_with_commentary.pdf

Send comments (with copy to psa@ansi.org) to: jarne@qualtim.com

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

BSR/UL 412-2017 (R201x), Standard for Refrigeration Unit Coolers (reaffirmation of ANSI/UL 412-2017)

Revisions to controls requirements. Alternate compliance option for EMI Filters. Revisions to include switch mode power supply units. Clarification to the marking requirements.

Single copy price: Free

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

Send comments (with copy to psa@ansi.org) to: Alan McGrath, (847) 664-3038, alan.t.mcgrath@ul.com

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

BSR/UL 790-201x, Standard for Safety for Standard Test Methods for Fire Tests of Roof Coverings (revision of ANSI/UL 790-2014)

The following changes in requirements to the Standard for Safety for Standard Test Methods for Fire Tests of Roof Coverings, UL 790, is being proposed: (1) Addition of Appendix A - Additional Procedure for Calibration of Apparatus.

Single copy price: Free

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

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

Technical Reports Registered with ANSI

Technical Reports Registered with ANSI are not consensus documents. Rather, all material contained in Technical Reports Registered with ANSI is informational in nature. Technical reports may include, for example, reports of technical research, tutorials, factual data obtained from a survey carried out among standards developers and/or national bodies, or information on the "state of the art" in relation to standards of national or international bodies on a particular subject.

Immediately following the end of a 30-day announcement period in Standards Action, the Technical Report will be registered by ANSI. Please submit any comments regarding this registration to the organization indicated, with a copy to the PSA Center, American National Standards Institute, 25 West 43rd Street, New York, NY 10036 or E-Mail to psa@ansi.org.

ASA (ASC S12) (Acoustical Society of America)

ASA TR S12.9-2018/Part 6, Rationale for Withdrawing ANSI/ASA S12.9-2008/Part 6 (technical report)

Provides the rationale for the recommendation by Working Group S12/WG 15 to withdraw the 2008 ANSI/ASA Standard "Quantities and Procedures for Description and Measurement of Environmental Sound - Part 6: Methods for Estimation of Awakenings Associated with Outdoor Noise Events Heard in Homes." The decision to withdraw the standard is based in part on the relatively small and non-representative corpus of field observations of noise-induced behavioral awakening available for analysis; on the poor generalizability of predicted awakening rates from airport to airport; on practical experience with the limited utility of predictions of "at least one behavioral awakening per night" for purposes of assessing environmental noise impacts, as required by the National Environmental Policy Act; on the statistical assumptions of convenience and post hoc analysis methods used to generate predictions of awakenings; on information published subsequent to development of the original standard; and on the findings of peer-reviewed re-analyses of the findings on which the original standard was based.

Single copy price: \$120.00

Order from: asastds@acousticalsociety.org

Send comments (with copy to psa@ansi.org) to: Neil Stremmel, (631) 390-0215, asastds@acousticalsociety.org

Projects Withdrawn from Consideration

An accredited standards developer may abandon the processing of a proposed new or revised American National Standard or portion thereof if it has followed its accredited procedures. The following projects have been withdrawn accordingly:

API (American Petroleum Institute)

BSR/API MPMS Ch. 22.2, 2nd Edition-200x, Testing Protocol - Differential Pressure Flow Measurement Devices (new standard)

Inquiries may be directed to Stephen Crimardo, (202) 682-8151, crimardos@api.org

API (American Petroleum Institute)

BSR/API MPMS Chapter 14.5, 4th Edition-201x, Calculation of Gross Heating Value, Relative Density, Compressibility and Theoretical Hydrocarbon Liquid Content for Natural Gas Mixtures for Custody Transfer (GPA 2172-09) (revision and redesignation of ANSI/GPA 2172/API MPMS CH. 14.5, 3rd Edition-2007)

API (American Petroleum Institute)

BSR/API MPMS Chapter 5.6, 2nd Edition-201x, Measurement of Liquid Hydrocarbons by Coriolis Meters (revision of ANSI/API MPMS Ch. 5.6-2002 (R2007))

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.

HIBCC (Health Industry Business Communications Council)

ANSI/HIBC 4.0-2009 (R2015), HIBCC Supplier Standard for RFID Product Identification

Questions may be directed to: Allison Mehr, (602) 381-1091 ext. 101, allisonmehr@hibcc.org

HIBCC (Health Industry Business Communications Council)

ANSI/HIBC 5.0-2011, Health Industry Barcode (HIBC) Syntax Standard

Questions may be directed to: Allison Mehr, (602) 381-1091 ext. 101, allisonmehr@hibcc.org

HIBCC (Health Industry Business Communications Council)

ANSI/HIBCC 3.1-2010, Positive Identification for Patient Safety; Part 1: Medication Delivery

Questions may be directed to: Allison Mehr, (602) 381-1091 ext. 101, allisonmehr@hibcc.org

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.

AGSC-AGRSS

Office: 20 P G A Drive, Suite 201
Stafford, VA 22554

Contact: Kathy Bimber

Phone: (540) 602-3263

Fax: (540) 720-5687

E-mail: KBimber@glass.com

BSR AGSC/AGRSS 004-201x, Auto Glass Safety Council/Automotive Glass Replacement Safety Standard (revision and redesignation of ANSI AGSC/AGRSS 003-2015)

BHMA (Builders Hardware Manufacturers Association)

Office: 355 Lexington Avenue, 15th Floor
15th Floor
New York, NY 10017-6603

Contact: Michael Tierney

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BSR/BHMA A156.12-201x, Interconnected Locks (revision of ANSI/BHMA A156.12-2013)

BSR/BHMA A156.16-201x, Standard for Auxiliary Hardware (reaffirmation of ANSI/BHMA A156.16-2013)

BSR/BHMA A156.18-201x, Standard for Materials and Finishes (revision of ANSI/BHMA A156.18-2016)

BSR/BHMA A156.25-201x, Electrified Locking Devices (revision of ANSI/BHMA A156.25-2013)

BSR/BHMA A156.28-2013 (R201x), Recommended Practices for Mechanical Keying Systems (reaffirmation of ANSI/BHMA A156.28-2013)

BSR/BHMA A156.35-201x, Standard for Power Supplies (new standard)

IES (Illuminating Engineering Society)

Office: 120 Wall Street, Floor 17
New York, NY 10005

Contact: Patricia McGillicuddy

Phone: (917) 913-0027

E-mail: pmcgillicuddy@ies.org

BSR/IES RP-4x-201x, Recommended Practice for Interior Lighting Installations in Consideration of the Circadian, Neuroendocrine, and Neurobehavioral Effects of Ocular Light Exposure. (new standard)

NECA (National Electrical Contractors Association)

Office: 3 Bethesda Metro Center
Suite 1100
Bethesda, MD 20814

Contact: Melissa West

Phone: (301) 215-4544

E-mail: melissa.west@necanet.org

BSR/NECA 413-201X, Standard for Installing and Maintaining Electric Vehicle Supply Equipment (EVSE) (revision of ANSI/NECA 413-2012)

NSF (NSF International)

Office: 789 N. Dixboro Road
Ann Arbor, MI 48105-9723

Contact: Allan Rose

Phone: (734) 827-3817

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E-mail: arose@nsf.org

BSR/NSF 4-201x (i27r1), Commercial Cooking, Rethermalization, and Powered Hot Food Holding and Transportation Equipment (revision of ANSI/NSF 4-2016)

BSR/NSF 42-201x (i97r2), Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2017)

BSR/NSF 44-201x (i44r1), Residential Cation Exchange Water Softeners (revision of ANSI/NSF 44-2017)

BSR/NSF 53-201x (i112r1), Drinking Water Treatment Units - Health Effects (revision of ANSI/NSF 53-2017)

BSR/NSF 55-201x (i45r1), Ultraviolet Microbiological Water Treatment Systems (revision of ANSI/NSF 55-2017)

BSR/NSF 58-201x (i80r1), Reverse Osmosis Drinking Water Treatment Systems (revision of ANSI/NSF 58-2017)

BSR/NSF 140-201x (i27r1), Sustainability Assessment for Carpet (revision of ANSI/NSF 140-2015)

BSR/NSF 350-201x (i34r1), Onsite Residential and Commercial Water Reuse Treatment Systems (revision of ANSI/NSF 350-2017a)

BSR/NSF 401-201x (i10r1), Drinking water treatment units - Emerging compounds/incidental contaminants (revision of ANSI/NSF 401-2017a)

BSR/NSF 419-201x (i5r1), Public Drinking Water Equipment Performance - Membrane Filtration (revision of ANSI/NSF 419-2015)

BSR/NSF 455-2-201x (i1r1), Good Manufacturing Practices for Dietary Supplements (new standard)

NSF International Designations

In the September 5, 2014 Standards Action, NSF International announced a new family of standards for a program called the Global Retailers and Manufacturers Alliance (GRMA). Since then, BSR/NSF 455-3-201x has been withdrawn from consideration and the designation and title of these PINS have been reassigned. The re-designation of these proposed ANS are as follows:

BSR/NSF 455-1-201x, Glossary of GRMA terminology (PINS to be filed shortly)

BSR/NSF 455-2-201x, Good Manufacturing Practices for Dietary Supplements

BSR/NSF 455-3-201x, Good Manufacturing Practices for Cosmetics

BSR/NSF 455-4-201x, Good Manufacturing Practices for Over the Counter Drugs

UL (Underwriters Laboratories, Inc.)

Office: 12 Laboratory Dr.
Research Triangle Park, NC 27709

Contact: *Nicolette Weeks*

Phone: (919) 549-0973

E-mail: Nicolette.A.Weeks@ul.com

BSR/UL 1389-201X, Standard for Plant Oil Extraction Equipment for Cannabis Use (new standard)

BSR/UL 4401-201X, Standard for Cannabis Oil Extraction Booths Used in Hazardous Locations (new standard)

BSR/UL 4402-201X, Standard for Indoor Air Quality in Buildings and Facilities Utilized for the Cultivation, Production and Processing of Cannabis (new standard)

VITA (VMEbus International Trade Association (VITA))

Office: 929 W. Portobello Avenue
Mesa, AZ 85210

Contact: *Jing Kwok*

Phone: (602) 281-4497

E-mail: jing.kwok@vita.com

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

Call for Members (ANS Consensus Bodies)

Call for Committee Members

ASC O1 – Safety Requirements for Woodworking Machinery

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

- General Interest
- Government
- Producer
- User

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

Final Actions on American National Standards

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

AAFS (American Academy of Forensic Sciences)

New Standard

ANSI/ASB Std 017-2018, Standard Practices for Measurement Traceability in Forensic Toxicology (new standard): 6/13/2018

ABYC (American Boat and Yacht Council)

New Standard

ANSI/ABYC A-6-2018, Refrigeration and Air Conditioning Equipment (new standard): 6/15/2018

Reaffirmation

ANSI/ABYC H-32-2013 (R2018), Ventilation of Boats Using Diesel Fuel (reaffirmation of ANSI/ABYC H-32-2013): 6/15/2018

Revision

ANSI/ABYC A-1-2018, Marine Liquefied Petroleum Gas (LPG) Systems (revision of ANSI/ABYC A-1-2013): 6/15/2018

ANSI/ABYC A-26-2018, LPG and CNG Fueled Appliances (revision of ANSI/ABYC A-26-2012): 6/15/2018

ANSI/ABYC A-30-2018, Cooking Appliances with Integral LPG Cylinders (revision of ANSI/ABYC A-30-2013): 6/15/2018

ANSI/ABYC E-30-2018, Electric Propulsion Systems (revision of ANSI/ABYC E-30-2017): 6/15/2018

ANSI/ABYC P-22-2018, Steering Wheels (revision of ANSI/ABYC P-22-2013): 6/15/2018

AGMA (American Gear Manufacturers Association)

Revision

ANSI/AGMA 9001-C-2018, Flexible Couplings Lubrication (revision and redesignation of ANSI/AGMA 9001-B97 (R2014)): 6/15/2018

ALI (ASC A14) (American Ladder Institute)

New Standard

ANSI A14.11-2018, Stepstools (new standard): 6/15/2018

ASA (ASC S12) (Acoustical Society of America)

Withdrawal

ANSI/ASA S12.9-2008/Part 6, Quantities and Procedures for Description and Measurement of Environmental Sound - Part 6: Methods for Estimation of Awakenings Associated with Outdoor Noise Events Heard in Homes (withdrawal of ANSI/ASA S12.9-2008/Part 6): 6/13/2018

ASA (ASC S2) (Acoustical Society of America)

Reaffirmation

ANSI ASA S2.9-2008 (R2018), Parameters for Specifying Damping Properties of Materials and System Damping (reaffirmation of ANSI ASA S2.9-2008 (R2013)): 6/13/2018

ASA (ASC S3) (Acoustical Society of America)

Reaffirmation

ANSI ASA S3.50-2013 (R2018), Method for Evaluation of the Intelligibility of Text-to-Speech Synthesis Systems (reaffirmation of ANSI ASA S3.50-2013): 6/13/2018

ASABE (American Society of Agricultural and Biological Engineers)

Withdrawal

ANSI/ASAE S493.1-2003 (R2013), Guarding for Agricultural Equipment (withdrawal of ANSI/ASAE S493.1-2003 (R2013)): 6/14/2018

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

Revision

ANSI/ASHRAE/ACCA Standard 180-2018, Standard Practice for Inspection and Maintenance of Commercial Building HVAC Systems (revision of ANSI/ASHRAE/ACCA Standard 180-2008): 6/11/2018

ASME (American Society of Mechanical Engineers)

Reaffirmation

ANSI/ASME B1.12-1987 (R2018), Class 5 Interference - Fit Thread (reaffirmation of ANSI/ASME B1.12-1987 (R2013)): 6/15/2018

ANSI/ASME B1.20.7-1991 (R2018), Hose Coupling Screw Threads (Inch) (reaffirmation of ANSI/ASME B1.20.7-1991 (R2013)): 6/15/2018

ANSI/ASME B1.21M-1997 (R2018), Metric Screw Threads MJ Profile (reaffirmation of ANSI/ASME B1.21M-1997 (R2013)): 6/15/2018

Revision

ANSI/ASME A112.19.2/CSA B45.1-2018, Ceramic Plumbing Fixtures (revision of ANSI/ASME A112.19.2/CSA B45.1-2013): 6/15/2018

ANSI/ASME B30.5-2018, Mobile and Locomotive Cranes (revision of ANSI/ASME B30.5-2014): 6/12/2018

ANSI/ASME Y14.36-2018, Surface Texture Symbols (revision of ANSI/ASME Y14.36M-1996 (R2008)): 6/15/2018

ATIS (Alliance for Telecommunications Industry Solutions)

Reaffirmation

ANSI ATIS 1000678.b.v2-2010 (R2018), Supplement B to ATIS -1000678.v2.2006 (R2013), Lawfully Authorized Electronic Surveillance (LAES) for Voice over Packet Technologies in Wireline Telecommunications Networks (reaffirmation of ANSI ATIS 1000678.b.v2-2010 (R2013)): 6/12/2018

Revision

ANSI/ATIS 0300002-2018, XML Schema Interface for POTS Service Test (revision of ANSI ATIS 0300002-2013): 6/13/2018

ANSI/ATIS 0300209-2018, Operations, Administration, Maintenance, and Provisioning (OAM&P) - Network Tones and Announcements (revision of ANSI ATIS 0300209-2013): 6/13/2018

ANSI/ATIS 0300211-2018, Information Interchange - Structure and Coded Representation of National Security and Emergency Preparedness (NS/EP) Telecommunications Service Priority (TSP) Codes for the North American Telecommunications System (revision of ANSI/ATIS 0300211-2012): 6/12/2018

AWWA (American Water Works Association)

New Standard

ANSI/AWWA C715-2018, Cold Water Meters - Electromagnetic and Ultrasonic Type, for Revenue Applications (new standard): 6/15/2018

Revision

ANSI/AWWA B402-2018, Ferrous Sulfate (revision of ANSI/AWWA B402-2012): 6/12/2018

ANSI/AWWA B505-2018, Disodium Phosphate, Anhydrous (revision of ANSI/AWWA B505-2012): 6/12/2018

EOS/ESD (ESD Association, Inc.)

Revision

ANSI/ESD STM11.13-2018, ESD Association Standard Test Method for the Protection of Electrostatic Discharge Susceptible Items Two-Point Resistance Measurement (revision of ANSI/ESD STM11.13-2015): 6/15/2018

ANSI/ESD S541-2018, ESD Association Standard for the Protection of Electrostatic Discharge Susceptible Items Packaging Materials (revision of ANSI/ESD S541-2003 (R2008)): 6/15/2018

HL7 (Health Level Seven)

Reaffirmation

ANSI/HL7 V3 PC CAREREC, R1-2013 (R2018), HL7 Version 3 Standard: Care Provision; Queries Care Record Topic, Release 1 (reaffirmation of ANSI/HL7 V3 PC CAREREC, R1-2013): 6/15/2018

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

New Standard

INCITS 544-2018, Information technology - Fibre Channel - Single Byte Command Code Sets - 6 (FC-SB-6) (new standard): 6/12/2018

NEMA (ASC C8) (National Electrical Manufacturers Association)

New Standard

ANSI ICEA T-31-610-2018, Test Method for Conducting Longitudinal Water Penetration Resistance Tests on Blocked Conductors (new standard): 6/13/2018

NFPA (National Fire Protection Association)

Revision

ANSI/NFPA 13R-2016, Standard for the Installation of Sprinkler Systems in Low-Rise Residential Occupancies (revision of ANSI/NFPA 13R-2015): 5/24/2018

ANSI/NFPA 16-2015, Standard for the Installation of Foam-Water Sprinkler and Foam-Water Spray Systems (revision of ANSI/NFPA 16-2014): 5/24/2018

ANSI/NFPA 20-2016, Standard for the Installation of Stationary Pumps for Fire Protection (revision of ANSI/NFPA 20-2015): 5/24/2018

ANSI/NFPA 24-2016, Standard for the Installation of Private Fire Service Mains and Their Appurtenances (revision of ANSI/NFPA 24-2015): 5/24/2018

ANSI/NFPA 30B-2015, Code for the Manufacture and Storage of Aerosol Products (revision of ANSI/NFPA 30B-2014): 5/24/2018

ANSI/NFPA 40-2016, Standard for the Storage and Handling of Cellulose Nitrate Film (revision of ANSI/NFPA 40-2015): 5/24/2018

ANSI/NFPA 77-2016, Recommended Practice on Static Electricity (revision of ANSI/NFPA 77-2013): 5/24/2018

ANSI/NFPA 80-2016, Standard for Fire Doors and Other Opening Protectives (revision of ANSI/NFPA 80-2015): 5/24/2018

ANSI/NFPA 86-2016, Standard for Ovens and Furnaces (revision of ANSI/NFPA 86-2011): 5/24/2018

ANSI/NFPA 88A-2016, Standard for Parking Structures (revision of ANSI/NFPA 88A-2011): 5/24/2018

ANSI/NFPA 105-2016, Standard for Smoke Door Assemblies and Other Opening Protectives (revision of ANSI/NFPA 105-2015): 5/24/2018

ANSI/NFPA 150-2016, Standard on Fire and Life Safety in Animal Housing Facilities (revision of ANSI/NFPA 150-2015): 5/24/2018

ANSI/NFPA 291-2016, Recommended Practice for Fire Flow Testing and Marking of Hydrants (revision of ANSI/NFPA 291-2015): 5/24/2018

ANSI/NFPA 306-2014, Standard for the Control of Gas Hazards on Vessels (revision of ANSI/NFPA 306-2013): 5/24/2018

ANSI/NFPA 484-2015, Standard for Combustible Metals (revision of ANSI/NFPA 484-2012): 5/24/2018

ANSI/NFPA 652-2016, Standard on the Fundamentals of Combustible Dusts (revision of ANSI/NFPA 652-2015): 5/24/2018

ANSI/NFPA 750-2015, Standard on Water Mist Fire Protection Systems (revision of ANSI/NFPA 750-2014): 5/24/2018

ANSI/NFPA 1221-2016, Standard on Installation, Maintenance, and Use of Emergency Services Communications Systems (revision of ANSI/NFPA 1221-2015): 5/24/2018

ANSI/NFPA 1852-2013, Standard on Selection, Care, and Maintenance of Open-Circuit Self-Contained Breathing Apparatus (SCBA) (revision of ANSI/NFPA 1852-2012): 5/24/2018

ANSI/NFPA 1917-2016, Standard for Automotive Ambulances (revision of ANSI/NFPA 1917-2015): 5/24/2018

ANSI/NFPA 1989-2013, Standard on Breathing Air Quality for Emergency Services Respiratory Protection (revision of ANSI/NFPA 1989-2012): 5/24/2018

SAAMI (Sporting Arms and Ammunition Manufacturers Institute)

Reaffirmation

ANSI/SAAMI Z299.1-2015 (R2018), Voluntary Industry Performance Standards for Pressure and Velocity of Rimfire Sporting Ammunition for Use by Commercial Manufacturers (reaffirmation of ANSI/SAAMI Z299.1-2015): 6/13/2018

SCTE (Society of Cable Telecommunications Engineers)

Revision

- ANSI/SCTE 37-2017, Hybrid Fiber/Coax Outside Plant Status Monitoring SCTE-HMS-ROOTS Management Information Base (MIB) Definition (revision of ANSI/SCTE 37 2010): 6/15/2018
- ANSI/SCTE 58-2017, AM Cross Modulation Measurements (revision of ANSI/SCTE 58-2012): 6/15/2018
- ANSI/SCTE 67-2017, Recommended Practice for Digital Program Insertion for Cable (revision of ANSI/SCTE 67-2014): 6/15/2018
- ANSI/SCTE 224-2018, Event Scheduling and Notification Interface (revision of ANSI/SCTE 224-2015): 6/12/2018

TAPPI (Technical Association of the Pulp and Paper Industry)

New Standard

- ANSI/TAPPI T 419 om-2018, Starch in paper (new standard): 6/12/2018
- ANSI/TAPPI T 452 om-2018, Brightness of pulp, paper, and paperboard (directional reflectance at 457 nm) (new standard): 6/12/2018
- ANSI/TAPPI T 536 om-2018, Resistance of paper to passage of air (high-pressure Gurley method) (new standard): 6/12/2018
- ANSI/TAPPI T 1210 sp-2018, Units of measurement and conversion factors (new standard): 6/12/2018

Reaffirmation

- ANSI/TAPPI T 212 om-2012 (R2018), One percent sodium hydroxide solubility of wood and pulp (reaffirmation of ANSI/TAPPI T 212 om-2012): 6/12/2018
- ANSI/TAPPI T 262 sp-2012 (R2018), Units of measurement and conversion factors (reaffirmation of ANSI/TAPPI T 262 sp-2012): 6/12/2018
- ANSI/TAPPI T 464 om-2012 (R2018), Diffuse brightness of paper, paperboard and pulp (d/O) (ultraviolet level D65) (reaffirmation of ANSI/TAPPI T 464 om-2012): 6/12/2018
- ANSI/TAPPI T 547 om-2012 (R2018), Air permeance of paper and paperboard (Sheffield method) (reaffirmation of ANSI/TAPPI T 547 om-2012): 6/12/2018

Revision

- ANSI/TAPPI T 839 om-2018, Edgewise compressive strength of corrugated fiberboard using the clamp method (short column test) (revision of ANSI/TAPPI T 839 om-2012): 6/12/2018
- ANSI/TAPPI T 1216 sp-2018, Indices for whiteness, yellowness, brightness, and luminous reflectance factor (revision of ANSI/TAPPI T 1216 sp-2012): 6/12/2018

UL (Underwriters Laboratories, Inc.)

New National Adoption

- ANSI/UL 61010-2-201-2018, Standard for Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 2-201: Particular Requirements for Control Equipment (national adoption of IEC 61010-2-201 with modifications and revision of ANSI/UL 61010-2-201-2017): 5/14/2018

New Standard

- ANSI/UL 962A-2018, Standard for Safety for Furniture Power Distribution Units (new standard): 6/12/2018
- ANSI/UL 1363-2018, Standard for Safety for Relocatable Power Taps (new standard): 6/12/2018

Reaffirmation

- ANSI/UL 155-2009 (R2018), Standard for Tests for Fire Resistance of Vault and File Room Doors (reaffirmation of ANSI/UL 155-2009 (R2013)): 6/13/2018

Revision

- * ANSI/UL 588-2018, Standard for Safety for Seasonal and Holiday Decorative Products (revision of ANSI/UL 588-2015a): 1/9/2018
- * ANSI/UL 588-2018a, Standard for Safety for Seasonal and Holiday Decorative Products (revision of ANSI/UL 588-2017): 1/9/2018
- ANSI/UL 61010-2-201-2018a, Standard for Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 2-201: Particular Requirements for Control Equipment (revision of ANSI/UL 61010-2-201-2017): 5/14/2018

VC (ASC Z80) (The Vision Council)

Reaffirmation

- ANSI Z80.17-2013 (R2018), Focimeters (reaffirmation of ANSI Z80.17-2013): 6/13/2018

VITA (VMEbus International Trade Association (VITA))

Reaffirmation

- ANSI/VITA 46.3-2012 (R2018), Serial RapidIO on VPX Fabric Connector (reaffirmation of ANSI/VITA 46.3-2012): 6/13/2018
- ANSI/VITA 46.7-2012 (R2018), Ethernet on VPX Fabric Connector (reaffirmation of ANSI/VITA 46.7-2012): 6/13/2018

Project Initiation Notification System (PINS)

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

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

[List of Approved and Proposed ANS](#)

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

ANS (American Nuclear Society)

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La Grange Park, IL 60526

Contact: Kathryn Murdoch

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BSR/ANS 58.8-201x, Time Response Criteria for Manual Actions at Nuclear Power Plants (revision of ANSI/ANS 58.8-1994 (R2017))

Stakeholders: Vendors, utilities, government, constructors of the commercial nuclear power industries.

Project Need: This standard provides an approach to ensure facility and system designs allows time intervals for site personnel to perform manual actions which avoid excessive personnel burden and which provide adequate safety margin for system design and safety analyses. The criteria specified in this standard will yield time values with sufficient margin to support plant design and safety analyses. This update provides consideration of operator interactions with digital systems, symptom-based emergency operating procedures, verbatim compliance requirements, required operator briefings, and 3-way communication requirements.

This standard establishes criteria and methodology for identification, validation, tracking, and documentation of time requirements for the performance of manual actions with specific time limits associated with design basis events (DBEs) and for manual actions to meet the plant licensing basis for nuclear power plants.

ASME (American Society of Mechanical Engineers)

Office: Two Park Avenue
New York, NY 10016-5990

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E-mail: ansibox@asme.org

BSR/ASME B18.24-2015, Part Identifying Number (PIN) Code System Standard for B18 Fastener Products ANSI/ASME B18.24-2015)

Stakeholders: Users, manufacturers, and distributors of fasteners.

Project Need: Revision of the current document is necessary to make it more consistent with the recent changes to other B18 Standards and to remain relevant for meeting industry needs.

This Standard is intended to provide all users (manufacturers, distributors, design and configuration, parts control, inventory control, test and maintenance functions) with the capability to identify externally threaded, internally threaded, and nonthreaded fastener products by a preselected order of coding as specified in this standard.

ASTM (ASTM International)

Office: 100 Barr Harbor Drive
West Conshohocken, PA 19428-2959

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BSR/ASTM WK56607-201x, New Test Methods for Classifying the Smolder Ignition Performance of Upholstered Furniture Components using a Bench-Scale Test (new standard)

Stakeholders: Furnishings and Contents industry.

Project Need: In 2013, the California Bureau of Electronic and Appliance Repair, Home Furnishings and Thermal Insulation (BEAR HFTI) adopted Technical Bulletin 117-2013 (TB117-2013) and made it a flammability requirement for residential upholstered furniture sold in the State of California. Furniture items manufactured in California and in many other U.S. states, as well as items manufactured outside the U.S., are now commonly constructed to be in compliance with TB117-2013. Despite wide use, there have been questions about the TB117-2013 testing set-up and procedures, standard materials used in the TB117-2013 test protocols, and benchtop to large-scale correlation.

This includes various bench-scale test methods for assessing the smolder ignition and performance properties of certain upholstered furniture construction components and composite component configurations using a cigarette ignition source, for the following materials: exterior cover fabrics, resilient filling materials, interior decking materials, and interior barrier materials (interlining).

BSR/ASTM WK63718-201x, New Test Method for Determination of Fatty Acid Methyl Esters (FAME) in Aviation Turbine Fuel (AVTUR) using Mid-Infrared Laser Spectroscopy (new standard)

Stakeholders: Fuel Cleanliness industry.

Project Need: The present and growing international governmental requirements to add fatty acid methyl esters (FAME) to diesel fuel has had the unintended side-effect of potential FAME cross-contamination of jet fuel. This problem arises when using multiproduct transport facilities such as tanker ships, trucks and pipelines. FAME has led to industry wide concerns, because it is suspected to negatively influence the thermal stability of jet fuel. Furthermore, it can cause performance deterioration of aircraft engines by coke deposits and filter blockages. The proposed test method is developed for use in the supply chain by non-specialized personnel.

This document specifies a test method for the quantification of the fatty acid methyl esters (FAME) content in aviation turbine fuel (AVTUR), in the range of 10 mg/kg to 400 mg/kg, by measuring infrared transmission before and after FAME is selectively removed from the sample. This test method detects all FAME components from C8 to C22 molecules.

AWS (American Welding Society)

Office: 8669 NW 36th Street
130
Miami, FL 33166

Contact: *Rakesh Gupta*

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BSR/AWS A5.17/A5.17M-201x, Specification for Carbon Steel Electrodes and fluxes for Submerged Arc Welding (new standard)

Stakeholders: Welding industry.

Project Need: Welding industry needs carbon steel electrodes and fluxes for submerged arc welding.

This specification provides requirements for the classification of solid and composite carbon steel electrodes and fluxes for submerged arc welding. Electrode classification is based on chemical composition of the electrode for solid electrodes, and chemical composition of the weld metal for composite electrodes. Flux classification is based on the mechanical properties of weld metal produced with the flux and an electrode classified in this standard. Additional requirements are included for sizes, marking, manufacturing, and packaging. The form and usability of the flux are also included. A guide is appended to the specification as a source of information concerning the classification system employed and the intended use of submerged arc fluxes and electrodes.

BHMA (Builders Hardware Manufacturers Association)

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BSR/BHMA A156.16-201x, Standard for Auxiliary Hardware (reaffirmation of ANSI/BHMA A156.16-2013)

Stakeholders: Consumers, door and hardware manufacturers, building and construction.

Project Need: Normal five-year maintenance.

This Standard establishes requirements for auxiliary hardware and includes performance tests covering operational, cyclical, strength, or finish criteria.

BSR/BHMA A156.18-201x, Standard for Materials and Finishes (revision of ANSI/BHMA A156.18-2016)

Stakeholders: Consumers, door and hardware manufacturers, building and construction.

Project Need: Adding additional finishes and test methods and other information.

This Standard establishes finish test methods and code numbers for finishes on various base materials. It includes criteria for viewing comparative finishes to the BHMA match plates and establishes five categories of finishes.

BSR/BHMA A156.28-2013 (R201x), Recommended Practices for Mechanical Keying Systems (reaffirmation of ANSI/BHMA A156.28-2013)

Stakeholders: Consumers, door and hardware manufacturers, building and construction.

Project Need: Normal five-year maintenance.

This recommended practice is intended for building owners, security professionals and others responsible for designing, implementing, and maintaining secure keying systems. Minimize legal liability by providing industry proven guidelines. It covers system design, to provide design criteria to establish and maintain a secure keying system. The purpose of this document is to provide guidelines for the essential keying conference, establish good practices for effective key management, and give building owners the ability to extend the life of keying systems to meet future demands.

BSR/BHMA A156.35-201x, Standard for Power Supplies (new standard)

Stakeholders: Consumers, door and hardware manufacturers, building and construction.

Project Need: Developing new standard to cover power supplies used with architectural hardware.

This Standard establishes requirements for external power supplies specifically designed for use with access control and burglar-alarm systems and accessories. Products will be classified based on their type, graded on performance, and given an energy efficiency rating. These basic criteria will enable a customer to make an informed decision to best fit their needs and ensure compatibility with the EAC system.

CSA (CSA Group)

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BSR/CSA C22.2 No.62395-1-201x, Electrical resistance trace heating systems for industrial commercial applications - Part 1: General and testing requirements (national adoption with modifications of IEC 62395-1)

Stakeholders: Industrial and commercial users, manufacturers, regulators, certification agencies.

Project Need: Currently there are regional standards to address the certification of electrical resistance trace heating systems for industrial commercial applications. The intent of this project is to adopt this international standard in the US and Canada to create a standard suitable for global product certification.

This standard pertains to trace heating systems that may comprise either factory-fabricated or field-assembled (worksite) units, and which may be series and parallel trace heaters or surface heaters (heater pads and heater panels) that have been assembled and/or terminated in accordance with the manufacturer's instructions. This standard also includes requirements for termination assemblies and control methods used with trace heating systems. This standard provides the essential requirements and testing appropriate to electrical resistance trace heating equipment used in industrial and commercial applications. The products certified according to this standard are intended to be installed by persons who are suitably trained in the techniques required and that only trained personnel carry out especially critical work, such as the installation of connections and terminations. Installations are intended to be carried out under the supervision of a qualified person who has undergone supplementary training in electric trace heating systems. This standard does not include or provide for any applications in potentially explosive atmospheres.

IES (Illuminating Engineering Society)

Office: 120 Wall Street, Floor 17
New York, NY 10005

Contact: *Patricia McGillicuddy*

E-mail: pmcgillicuddy@ies.org

BSR/IES RP-4x-201x, Recommended Practice for Interior Lighting Installations in Consideration of the Circadian, Neuroendocrine, and Neurobehavioral Effects of Ocular Light Exposure. (new standard)

Stakeholders: Lighting practitioners, designers, architects, members of the educational community, utilities, government, and the general public.

Project Need: A recommended practice developed with the consensus process and including peer-reviewed current research does not exist for this area of lighting.

Summarize the state of the art research on the circadian, neuroendocrine and neurobehavioral effects of ocular light exposure as they pertain to daytime lighting in interior spaces (including but not limited to schools and educational facilities and other institutional facilities). To propose recommendations for lighting standards on light intensity, spectrum, timing and pattern as well as the measurement, quantification and reporting of lighting in the context of these "non-visual" responses to light.

UL (Underwriters Laboratories, Inc.)

Office: 12 Laboratory Dr.
Research Triangle Park, NC 27709

Contact: *Nicolette Weeks*

E-mail: Nicolette.A.Weeks@ul.com

BSR/UL 1389-201X, Standard for Plant Oil Extraction Equipment for Cannabis Use (new standard)

Stakeholders: Regulators and Authorities Having Jurisdiction (AHJs), grow ops owners, designers, architects, and manufacturers of cannabis equipment and devices.

Project Need: To develop minimum safety requirements for cannabis oil extraction equipment intended for use in both US and Canada.

This Standard covers plant oil extraction equipment used for production of plant oils as indicated in the instruction manual provided with the equipment. This Standard is intended for extracting oils from cannabis and other similar plants.

BSR/UL 4401-201X, Standard for Cannabis Oil Extraction Booths Used in Hazardous Locations (new standard)

Stakeholders: Regulators and Authorities Having Jurisdiction (AHJs), grow ops owners, designers, architects, and manufacturers of cannabis equipment and devices.

Project Need: UL proposes to develop minimum safety requirements for cannabis oil extraction booths involving hazardous locations intended for use in both US and Canada.

This Standard covers prefabricated oil extraction booths used for the production of cannabis oil and other plants intended for commercial or industrial applications involving hazardous locations. The prefabricated plant oil extraction booths are intended for stationary installations in accordance with the relevant Building, Fire and Electrical Code of the authority having jurisdiction and the manufacturer's installation and operating instructions.

BSR/UL 4402-201X, Standard for Indoor Air Quality in Buildings and Facilities Utilized for the Cultivation, Production and Processing of Cannabis (new standard)

Stakeholders: Regulators and Authorities Having Jurisdiction (AHJs), grow ops owners, designers, architects, and manufacturers of cannabis equipment and devices.

Project Need: To develop guidelines for the assessment of indoor air quality for buildings utilized in the cultivation, production and processing of cannabis in both US and Canada.

This Standard provides minimum requirements and guidelines for the assessment of a building or portions of a building utilized for the cultivation, production and processing of cannabis, in accordance with a Building Indoor Air Quality (BIAQ) Program. This Standard provides a review of basic information about the building, conducts an initial assessment of the status of the building as related to Indoor Air Quality (IAQ), and initiates ongoing periodic assessments of building conditions that relate to IAQ. The focus of the reviews and assessments is on the quality of the indoor air. The Standard provides reasonable measures to detect recognized and common sources of IAQ problems where they occur.

VITA (VMEbus International Trade Association (VITA))

Office: 929 W. Portobello Avenue
Mesa, AZ 85210

Contact: *Jing Kwok*

E-mail: jing.kwok@vita.com

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

Stakeholders: Embedded electronic manufacturers and users.

Project Need: Provides a method based on extensive human factors research for status indicators for a wide variety of embedded electronic equipment.

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

American National Standards Maintained Under Continuous Maintenance

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

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

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

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

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

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

ANSI-Accredited Standards Developers Contact Information

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

<p>AAFS American Academy of Forensic Sciences 410 North 21st Street Colorado Springs, CO 80904 Phone: (719) 453-1036 Web: www.aaafs.org</p>	<p>ASA (ASC S2) Acoustical Society of America 1305 Walt Whitman Road Suite 300 Melville, NY 11747 Phone: (631) 390-0215 Fax: (631) 923-2875 Web: www.acousticalsociety.org</p>	<p>ATIS Alliance for Telecommunications Industry Solutions 1200 G Street NW Suite 500 Washington, DC 20005 Phone: (202) 434-8840 Web: www.atis.org</p>	<p>IES Illuminating Engineering Society 120 Wall Street, Floor 17 New York, NY 10005 Phone: (917) 913-0027 Web: www.ies.org</p>
<p>ABYC American Boat and Yacht Council 613 Third Street Suite 10 Annapolis, MD 21403 Phone: (410) 990-4460 Web: www.abycinc.org</p>	<p>ASA (ASC S3) Acoustical Society of America 1305 Walt Whitman Road Suite 300 Melville, NY 11747 Phone: (631) 390-0215 Fax: (631) 923-2875 Web: www.acousticalsociety.org</p>	<p>AWS American Welding Society 8669 NW 36th Street # 130 Miami, FL 33166 Phone: (305) 443-9353 EXT 301 Fax: (305) 443-5951 Web: www.aws.org</p>	<p>ITI (INCITS) InterNational Committee for Information Technology Standards 1101 K Street NW Suite 610 Washington, DC 20005 Phone: (202) 737-8888 Web: www.incits.org</p>
<p>AGMA American Gear Manufacturers Association 1001 N Fairfax Street, 5th Floor Alexandria, VA 22314-1587 Phone: (703) 684-0211 Web: www.agma.org</p>	<p>ASABE American Society of Agricultural and Biological Engineers 2950 Niles Road Saint Joseph, MI 49085 Phone: (269) 932-7015 Fax: (269) 429-3852 Web: www.asabe.org</p>	<p>AWWA American Water Works Association 6666 W. Quincy Ave. Denver, CO 80235 Phone: (303) 347-6178 Fax: (303) 795-7603 Web: www.awwa.org</p>	<p>MHI Material Handling Industry 8720 Red Oak Boulevard Suite 201 Charlotte, NC 28217 Phone: (704) 714-8755 Fax: (704) 676-1199 Web: www.mhi.org</p>
<p>AGSC-AGRSS AGSC-AGRSS 20 P G A Drive, Suite 201 Stafford, VA 22554 Phone: (540) 602-3263 Fax: (540) 720-5687 Web: www.agsc.org</p>	<p>ASC X9 Accredited Standards Committee X9, Incorporated 275 West Street Suite 107 Annapolis, MD 21401 Phone: (410) 267-7707 Web: www.x9.org</p>	<p>B11 B11 Standards, Inc. P.O. Box 690905 Houston, TX 77269 Phone: (832) 446-6999</p>	<p>NECA National Electrical Contractors Association 3 Bethesda Metro Center Suite 1100 Bethesda, MD 20814 Phone: (301) 215-4544 Web: www.neca-neis.org</p>
<p>ALI (ASC A14) American Ladder Institute 330 N. Wabash Avenue, Suite 2000 Chicago, IL 60611-6610 Phone: (312) 321-6806 Web: www.americanladderinstitute.org</p>	<p>ASHRAE American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc. 1791 Tullie Circle, NE Atlanta, GA 30329 Phone: (678) 539-1214 Fax: (678) 539-2214 Web: www.ashrae.org</p>	<p>BHMA Builders Hardware Manufacturers Association 355 Lexington Avenue, 15th Floor 15th Floor New York, NY 10017-6603 Phone: (860) 944-4264 Fax: (212) 370-9047 Web: www.buildershardware.com</p>	<p>NEMA (ASC C8) National Electrical Manufacturers Association 1300 North 17th Street Rosslyn, VA 22209 Phone: (703) 841-3278 Fax: (703) 841-3398 Web: www.nema.org</p>
<p>ANS American Nuclear Society 555 North Kensington Avenue La Grange Park, IL 60526 Phone: (708) 579-8268 Fax: (708) 579-8248 Web: www.ans.org</p>	<p>ASME American Society of Mechanical Engineers Two Park Avenue New York, NY 10016-5990 Phone: (212) 591-8521 Fax: (212) 591-8501 Web: www.asme.org</p>	<p>CSA CSA Group 8501 E. Pleasant Valley Road Cleveland, OH 44131 Phone: (216) 524-4990 Fax: (216) 520-8979 Web: www.csagroup.org</p>	<p>NFPA National Fire Protection Association One Batterymarch Park Quincy, MA 02169 Phone: (617) 984-7246 Web: www.nfpa.org</p>
<p>API American Petroleum Institute 1220 L Street, NW Washington, DC 20005-4070 Phone: (202) 682-8571 Fax: (202) 962-4797 Web: www.api.org</p>	<p>ASTM ASTM International 100 Barr Harbor Drive West Conshohocken, PA 19428-2959 Phone: (610) 832-9696 Web: www.astm.org</p>	<p>EOS/ESD ESD Association 7900 Turin Rd., Bldg. 3 Rome, NY 13440 Phone: (315) 339-6937 Fax: (315) 339-6793 Web: www.esda.org</p>	<p>NSF NSF International 789 N. Dixboro Road Ann Arbor, MI 48105-9723 Phone: (734) 827-6866 Web: www.nsf.org</p>
<p>ASA (ASC S12) Acoustical Society of America 1305 Walt Whitman Rd Suite 300 Melville, NY 11747 Phone: (631) 390-0215 Fax: (631) 923-2875 Web: www.acousticalsociety.org</p>	<p>HL7 Health Level Seven 3300 Washtenaw Avenue Suite 227 Ann Arbor, MI 48104 Phone: (734) 677-7777 Fax: (734) 677-6622 Web: www.hl7.org</p>	<p>SAAMI Sporting Arms and Ammunition Manufacturers Institute 11 Mile Hill Road Newtown, CT 06470-2359 Phone: (203) 426-4358 Fax: (203) 426-3592 Web: www.saami.org</p>	

SBCA

Structural Building Components
Association
Phone: (608) 310-6702
Web: www.sbcindustry.com

SCTE

Society of Cable Telecommunications
Engineers
140 Philips Rd
Exton, PA 19341
Phone: (800) 542-5040
Fax: (800) 542-5040
Web: www.scte.org

TAPPI

Technical Association of the Pulp and
Paper Industry
15 Technology Parkway South
Peachtree Corners, GA 30092
Phone: (770) 209-7276
Web: www.tappi.org

UL

Underwriters Laboratories, Inc.
12 Laboratory Dr.
Research Triangle Park, NC 27709
Phone: (919) 549-0973
Web: www.ul.com

VC (ASC Z80)

The Vision Council of North America
225 Reinekers Lane
Alexandria, VA 22314
Phone: 585-387-9913
Web: www.z80asc.com

VITA

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



ISO & IEC Draft International Standards

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

Comments

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

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

Ordering Instructions

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

ISO Standards

AGRICULTURAL FOOD PRODUCTS (TC 34)

ISO/DIS 11056, Sensory analysis - Methodology - Magnitude estimation method - 7/7/2018, \$82.00

ISO/DIS 12871, Olive oils and olive-pomace oils - Determination of aliphatic and triterpenic alcohols content by capillary gas chromatography - 9/3/2018, \$46.00

ISO/DIS 20813, Molecular biomarker analysis - Methods of analysis for the detection and identification of animal species from foods and food products (Nucleic acid based methods) - General requirements and definitions - 9/3/2018, \$88.00

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

ISO 10993-7/DAmD1, Biological evaluation of medical devices - Part 7: Ethylene oxide sterilization residuals - Amendment 1 - 9/2/2018, \$46.00

ISO/DIS 22442-1, Medical devices utilizing animal tissues and their derivatives - Part 1: Application of risk management - 9/2/2018, \$93.00

ISO/DIS 10993-18, Biological evaluation of medical devices - Part 18: Chemical characterization of materials - 12/4/2008, \$134.00

CLEAN COOKSTOVES AND CLEAN COOKING SOLUTIONS (TC 285)

ISO/DIS 19869, Clean cookstoves and clean cooking solutions - Guidance on field testing methods for cookstoves - 7/7/2018, \$175.00

DOCUMENT IMAGING APPLICATIONS (TC 171)

ISO/DIS 19444-1, Document management - XML Forms Data Format - Part 1: Use of ISO 32000-2 (XPDF 3.0) - 7/6/2018, \$175.00

ENVIRONMENTAL MANAGEMENT (TC 207)

ISO/DIS 14090, Adaptation to climate change - Principles, requirements and guidelines - 7/5/2018, \$93.00

FLOOR COVERINGS (TC 219)

ISO/DIS 10361, Textile floor coverings - Production of changes in appearance by means of Vettermann drum and hexapod tumbler tester - 7/7/2018, \$58.00

GRAPHIC TECHNOLOGY (TC 130)

ISO/DIS 21812-1, Graphic technology - Digital data exchange - Print product metadata for PDF files - Part 1: Architecture and core requirements for metadata - 9/3/2018, \$93.00

GRAPHICAL SYMBOLS (TC 145)

ISO 7001/DAmD101, Graphical symbols - Public information symbols - Amendment 1: PI CF 021: Dance hall or ballroom - 7/6/2018, \$29.00

ISO 7001/DAmD102, Graphical symbols - Public information symbols - Amendment 1: PI PF 077 Drinking water fountain - 7/6/2018, \$29.00

ISO 7001/DAmD103, Graphical symbols - Public information symbols - Amendment 1: PI PF 078 Elevator or lift for goods - 7/6/2018, \$29.00

ISO 7001/DAmD104, Graphical symbols - Public information symbols - Amendment 1: PI PF 079 Mens changing room - 7/6/2018, \$29.00

ISO 7001/DAmD105, Graphical symbols - Public information symbols - Amendment 1: PI PF 080 Pedestrian overpass or footbridge - 7/6/2018, \$29.00

ISO 7001/DAmD106, Graphical symbols - Public information symbols - Amendment 1: PI PF 081 Womens changing room - 7/6/2018, \$29.00

HYDROGEN ENERGY TECHNOLOGIES (TC 197)

ISO/DIS 14687, Hydrogen fuel quality - Product specification - 7/5/2018, \$77.00

INDUSTRIAL AUTOMATION SYSTEMS AND INTEGRATION (TC 184)

ISO/DIS 10303-242, Industrial automation systems and integration - Product data representation and exchange - Part 242: Application protocol: Managed model-based 3D engineering - 7/6/2018, \$98.00

LEATHER (TC 120)

ISO/DIS 22284, Leather - Raw Skins - Guidelines for Preservation of Goat and Sheep Skins - 9/2/2018, \$33.00

MATERIALS, EQUIPMENT AND OFFSHORE STRUCTURES FOR PETROLEUM AND NATURAL GAS INDUSTRIES (TC 67)

ISO/DIS 20074, Petroleum and natural gas industry - Pipeline transportation systems - Geological hazards risk management for onshore pipeline - 7/6/2018, \$134.00

MEASUREMENT OF FLUID FLOW IN CLOSED CONDUITS (TC 30)

ISO/DIS 17089-1, Measurement of fluid flow in closed conduits - Ultrasonic meters for gas - Part 1: Meters for custody transfer and allocation measurement - 7/5/2018, \$175.00

MECHANICAL VIBRATION AND SHOCK (TC 108)

ISO/DIS 7626-5, Vibration and shock - Experimental determination of mechanical mobility - Part 5: Measurements using impact excitation with an exciter which is not attached to the structure - 7/9/2018, \$88.00

OTHER

ISO/DIS 23910, Leather - Physical and mechanical tests - Measurement of stitch tear resistance - 7/6/2018, \$33.00

PAINTS AND VARNISHES (TC 35)

ISO/DIS 8504-1, Preparation of steel substrates before application of paints and related products - Surface preparation methods - Part 1: General principles - 9/2/2018, \$46.00

PAPER, BOARD AND PULPS (TC 6)

ISO/DIS 2144, Paper, board, pulps and cellulose nanomaterials - Determination of residue (ash content) on ignition at 900 degrees C - 9/3/2018, \$33.00

ISO/DIS 12830, Paper, board, pulps and cellulose nanomaterials - Determination of acid-soluble magnesium, calcium, manganese, iron, copper, sodium and potassium - 9/3/2018, \$58.00

ISO/DIS 21993, Paper and Pulp - Deinkability test for printed paper products - 9/2/2018, \$82.00

PERSONAL SAFETY - PROTECTIVE CLOTHING AND EQUIPMENT (TC 94)

ISO/DIS 20320, Protective clothing for use in Snowboarding - Wrist Protectors - Requirements and test methods - 9/1/2018, \$62.00

PLASTICS (TC 61)

ISO/DIS 20144, Fibre-reinforced plastic composites - Standard qualification plan (SQP) for composite materials, including reduced (RQP) and extended (EQP) schemes - 7/6/2018, \$88.00

REFRIGERATION (TC 86)

ISO 16358-1/DAMd1, Air-cooled air conditioners and air-to-air heat pumps - Testing and calculating methods for seasonal performance factors - Part 1: Cooling seasonal performance factor - Amendment 1 - 7/5/2018, \$71.00

RUBBER AND RUBBER PRODUCTS (TC 45)

ISO/DIS 2453, Rubber, raw styrene-butadiene, emulsion-polymerized - Determination of bound styrene content - Refractive index method - 7/8/2018, \$46.00

SHIPS AND MARINE TECHNOLOGY (TC 8)

ISO/DIS 15738, Ships and marine technology - Life saving and fire protection - Gas inflation systems for inflatable life-saving appliances - 9/2/2018, \$58.00

ISO/DIS 21173, Submersibles - Hydrostatic pressure test - Pressure structures - 9/3/2018, \$58.00

TERMINOLOGY (PRINCIPLES AND COORDINATION) (TC 37)

ISO/DIS 24622-2, Language resource management - Component metadata infrastructure (CMDI) - Part 2: The component metadata specific language - 9/3/2018, \$102.00

TEXTILES (TC 38)

ISO/DIS 1833-3, Textiles - Quantitative chemical analysis - Part 3: Mixtures of acetate with certain other fibres (method using acetone) - 7/8/2018, \$33.00

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

ISO/DIS 20900, Intelligent transport systems - Partially automated parking systems (PAPS) - Performance requirements and test procedures - 9/2/2018, \$88.00

ISO/DIS 17573-1, Electronic fee collection - Systems architecture for vehicle-related tolling - Part 1: Reference model - 9/2/2018, \$119.00

WELDING AND ALLIED PROCESSES (TC 44)

ISO/DIS 5178, Destructive tests on welds in metallic materials - Longitudinal tensile test on weld metal in fusion welded joints - 9/3/2018, \$40.00

ISO/DIS 9090, Gas tightness of equipment for gas welding and allied processes - 9/2/2018, \$46.00

ISO/IEC JTC 1, Information Technology

ISO/IEC DIS 15693-3, Cards and security devices for personal identification - Contactless vicinity objects - Part 3: Anticollision and transmission protocol - 7/9/2018, \$146.00

ISO/IEC/IEEE DIS 15289, Systems and software engineering - Content of life-cycle information items (documentation) - 9/2/2018, \$155.00

IEC Standards

10/1059/CDV, IEC 63012 ED1: Insulating liquids - Unused modified or blended esters for electrotechnical applications, 018/9/7/

10/1062/FDIS, IEC 62961 ED1: Insulating liquids - Test methods for the determination of interfacial tension of insulating liquids - Determination with the ring method, 2018/7/27

20/1807/CDV, IEC 63075 ED1: Superconducting AC power cables and their accessories for rated voltages from 6 kV to 500 kV - Test methods and requirements, 018/9/7/

23E/1055/FDIS, IEC 62752/AMD1 ED1: In-cable control and protection device for mode 2 charging of electric road vehicles (IC-CPD), 2018/7/27

23G/405/FDIS, IEC 60320-1/AMD1 ED3: Appliance couplers for household and similar general purposes - Part 1: General requirements, 2018/7/27

31J/278/CD, IEC 60079-10-1 ED3: Explosive atmospheres - Part 10-1: Classification of areas - Explosive gas atmospheres, 018/9/7/

34/519/CDV, IEC 62386-104 ED1: Digital addressable lighting interface - Part 104: General requirements - Wireless and alternative wired system components, 018/9/7/

34A/2098/FDIS, IEC 62707-1/AMD1 ED1: LED-binning - Part 1: General requirements and white colour grid, 2018/7/27

34B/1993/FDIS, IEC 60061-1/AMD58 ED3: Amendment 58 - Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 1: Lamps Caps, 2018/7/27

34B/1994/FDIS, IEC 60061-2/AMD54 ED3: Amendment 54 - Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 2: Lampholders, 2018/7/27

34B/1995/FDIS, IEC 60061-3/AMD55 ED3: Amendment 55 - Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 3: Gauges, 2018/7/27

45B/906/CDV, IEC 62387 ED2: Radiation protection instrumentation - Dosimetry systems with integrating passive detectors for individual, workplace and environmental monitoring of photon and beta radiation, 018/9/7/

- 48B/2651A/NP, PNW 48B-2651: IEC 63171-3/ED.1: Connectors for electronic equipment - Product requirements - Part 1: Detail specification for 2-way, shielded and unshielded, free and fixed connectors for data transmission with frequencies up to 600 MHz and current carrying capacity., 2018/7/13
- 57/1989/CDV, IEC 61968-5 ED1: Application integration at electric utilities - System interfaces for distribution management - Part 5: Distributed energy optimization, 018/9/7/
- 57/2009/CD, IEC 62488-3 ED1: Power line communication systems for power utility applications - Part 3: Digital Power Line Carrier (DPLC) terminals and hybrid ADPLC terminals, 018/9/7/
- 59/683/CDV, IEC 63008 ED1: Household and similar electrical appliances - Accessibility of control elements, doors, lids, drawers and handles, 018/9/7/
- 59/685/CD, IEC 63086 ED1: Household and Similar Electrical Room Air Cleaners - Measurement of Performance, 2018/8/10
- 61/5696/CD, IEC 60335-1/FRAG3 ED6: Household and similar electrical appliances - Safety - Part 1: General requirements, 2018/8/10
- 61/5697/CD, IEC 60335-1/FRAG9 ED6: Household and similar electrical appliances - Safety - Part 1: General requirements, 2018/8/10
- 64/2275/CDV, IEC 60479-1 ED1: Effects of current on human beings and livestock - Part 1: General aspects, 018/9/7/
- 65/698/DTR, IEC TR 63069 ED1: Industrial-process measurement, control and automation - Framework for functional safety and security, 2018/8/10
- 65E/599/NP, PNW 65E-599: IEC 61987, Part 32: Lists of properties (LOP) for I/O modules for electronic data exchange, 018/9/7/
- 65E/598/NP, PNW 65E-598: IEC 61987, Part 31: List of Properties (LOP) of infrastructure devices for electronic data exchange - Generic structures, 018/9/7/
- 77A/1002/DTR, IEC TR 61000-1-8 ED1: Electromagnetic Compatibility - Part 1-8: Phase angles of harmonic current emissions and voltages in the public supply networks, and future expectation, 2018/8/10
- 86A/1874/CD, IEC 60794-1-23 ED2: Optical fibre cables - Part 1-23: Generic specification - Basic optical cable test procedures - Cable element test methods, 018/9/7/
- 86B/4135/NP, PNW 86B-4135: Fibre Optic Interconnecting Devices and Passive Components - Basic Test and Measurement Procedure - Part 2-56: Tests - Wind resistance of mounted housing, 018/9/7/
- 86C/1534/DTR, IEC TR 61292-8 ED1: Optical Amplifiers - Part 8: High-power amplifiers, 2018/8/10
- 115/190/CD, IEC TR 63179 ED1: Planning of HVDC systems - Part 1: HVDC systems with line commutated converters, 2018/8/10



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

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

[ISO 1920-5:2018](#), Testing of concrete - Part 5: Density and water penetration depth, \$103.00

[ISO 1920-13:2018](#), Testing of concrete - Part 13: Properties of fresh self compacting concrete, \$138.00

CRANES (TC 96)

[ISO 8686-2:2018](#), Cranes - Design principles for loads and load combinations - Part 2: Mobile cranes, \$103.00

DENTISTRY (TC 106)

[ISO 7494-1:2018](#), Dentistry - Stationary dental units and dental patient chairs - Part 1: General requirements, \$103.00

FIRE SAFETY (TC 92)

[ISO 19703:2018](#), Generation and analysis of toxic gases in fire - Calculation of species yields, equivalence ratios and combustion efficiency in experimental fires, \$162.00

HYDROGEN ENERGY TECHNOLOGIES (TC 197)

[ISO 19880-3:2018](#), Gaseous hydrogen - Fuelling stations - Part 3: Valves, \$162.00

OTHER

[ISO 4048:2018](#), Leather - Chemical tests - Determination of matter soluble in dichloromethane and free fatty acid content, \$68.00

[ISO 5398-1:2018](#), Leather - Chemical determination of chromic oxide content - Part 1: Quantification by titration, \$45.00

[ISO 5398-3:2018](#), Leather - Chemical determination of chromic oxide content - Part 3: Quantification by atomic absorption spectrometry, \$45.00

PLASTICS (TC 61)

[ISO 15033:2018](#), Plastics - Determination of caprolactam and its cyclic and linear oligomers by HPLC, \$103.00

SOIL QUALITY (TC 190)

[ISO 15952:2018](#), Soil quality - Effects of pollutants on juvenile land snails (Helicidae) - Determination of the effects on growth by soil contamination, \$162.00

TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY (TC 23)

[ISO 20112-1:2018](#), Tractors and machinery for agriculture and forestry - Camera interface between tractor and implement - Part 1: Analogue camera interface, \$68.00

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

[ISO 17427-1:2018](#), Intelligent transport systems - Cooperative ITS - Part 1: Roles and responsibilities in the context of co-operative ITS architecture(s), \$185.00

[ISO 15638-21:2018](#), Intelligent transport systems - Framework for cooperative telematics applications for regulated commercial freight vehicles (TARV) - Part 21: Monitoring of regulated vehicles using roadside sensors and data collected from the vehicle for enforcement and other purposes, \$162.00

WATER QUALITY (TC 147)

[ISO 20596-1:2018](#), Water quality - Determination of cyclic volatile methylsiloxanes in water - Part 1: Method using purge and trap with gas chromatography-mass spectrometry (GC-MS), \$138.00

ISO Technical Reports

PETROLEUM PRODUCTS AND LUBRICANTS (TC 28)

[ISO/TR 19686-2:2018](#), Petroleum products - Equivalency of test method determining the same property - Part 2: Density of petroleum products, \$103.00

ISO Technical Specifications

HUMAN RESOURCE MANAGEMENT (TC 260)

[ISO/TS 30410:2018](#), Human resource management - Impact of hire metric, \$68.00

VACUUM TECHNOLOGY (TC 112)

[ISO/TS 20177:2018](#), Vacuum technology - Vacuum gauges - Procedures to measure and report outgassing rates, \$185.00

ISO/IEC JTC 1, Information Technology

[ISO/IEC 18328-4:2018](#), Identification cards - ICC-managed devices - Part 4: Test methods for logical characteristics, \$162.00

IEC Standards

DEPENDABILITY (TC 56)

[IEC 62853 Ed. 1.0 b:2018](#), Open systems dependability, \$352.00

ELECTRIC CABLES (TC 20)

[IEC 60811-501 Ed. 1.1 b:2018](#), Electric and optical fibre cables - Test methods for non-metallic materials - Part 501: Mechanical tests - Tests for determining the mechanical properties of insulating and sheathing compounds, \$176.00

[IEC 60811-501 Amd.1 Ed. 1.0 b:2018](#), Amendment 1 - Electric and optical fibre cables - Test methods for non-metallic materials - Part 501: Mechanical tests - Tests for determining the mechanical properties of insulating and sheathing compounds, \$12.00

ELECTRICAL ACCESSORIES (TC 23)

[IEC 61058-2-1 Ed. 3.0 b:2018](#), Switches for appliances - Part 2-1: Particular requirements for cord switches, \$164.00

LAMPS AND RELATED EQUIPMENT (TC 34)

[IEC 62386-221 Ed. 1.0 b:2018](#), Digital addressable lighting interface - Part 221: Particular requirements for control gear - Demand response (device type 20), \$82.00

MEASURING EQUIPMENT FOR ELECTROMAGNETIC QUANTITIES (TC 85)

[IEC 62586-2 Ed. 2.0 b cor.1:2018](#), Corrigendum 1 - Power quality measurement in power supply systems - Part 2: Functional tests and uncertainty requirements, \$0.00

SEMICONDUCTOR DEVICES (TC 47)

[IEC 62969-4 Ed. 1.0 b:2018](#), Semiconductor devices - Semiconductor interface for automotive vehicles - Part 4: Evaluation method of data interface for automotive vehicle sensors, \$117.00

SUPERCONDUCTIVITY (TC 90)

[IEC 61788-24 Ed. 1.0 b:2018](#), Superconductivity - Part 24: Critical current measurement - Retained critical current after double bending at room temperature of Ag-sheathed Bi-2223 superconducting wires, \$199.00

WIND TURBINE GENERATOR SYSTEMS (TC 88)

[IEC 61400-11 Ed. 3.1 en:2018](#), Wind turbines - Part 11: Acoustic noise measurement techniques, \$469.00

[IEC 61400-11 Amd.1 Ed. 3.0 b:2018](#), Amendment 1 - Wind turbines - Part 11: Acoustic noise measurement techniques, \$23.00

IEC Technical Reports**PROCESS MANAGEMENT FOR AVIONICS (TC 107)**

[IEC/TR 62240-2 Ed. 1.0 en:2018](#), Process management for avionics - Electronic components capability in operation - Part 2: Semiconductor microcircuit lifetime, \$199.00

IEC Technical Specifications**INSULATION CO-ORDINATION FOR LOW-VOLTAGE EQUIPMENT (TC 109)**

[IEC/TS 62993 Ed. 1.0 en cor.1:2018](#), Corrigendum 1 - Guidance for determination of clearances, creepage distances and requirements for solid insulation for equipment with a rated voltage above 1 000 V AC and 1 500 V DC, and up to 2 000 V AC and 3 000 V DC, \$0.00

SOLAR PHOTOVOLTAIC ENERGY SYSTEMS (TC 82)

[IEC/TS 62257-9-5 Ed. 4.0 en:2018](#), Recommendations for renewable energy and hybrid systems for rural electrification - Part 9-5: Integrated systems - Laboratory evaluation of stand-alone renewable energy products for rural electrification, \$410.00

[S+ IEC/TS 62257-9-5 Ed. 4.0 en:2018 \(Redline version\)](#),

Recommendations for renewable energy and hybrid systems for rural electrification - Part 9-5: Integrated systems - Laboratory evaluation of stand-alone renewable energy products for rural electrification, \$534.00

Registration of Organization Names in the United States

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

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

PUBLIC REVIEW

South Carolina Law Enforcement Division (SLED)

Public Review: April 27 to July 23, 2018

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

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

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

Proposed Foreign Government Regulations

Call for Comment

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

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

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

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

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

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

Information Concerning

American National Standards

Call for Members

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

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

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

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

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

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

Society of Cable Telecommunications

ANSI Accredited Standards Developer

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

SCTE is currently seeking to broaden the membership base of its 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

PLASTICS Industry Association (PLASTICS)

ANSI's Executive Standards Council has approved the reaccreditation of the PLASTICS Industry Association (PLASTICS), an ANSI Member and Accredited Standards Developer, under its recently revised operating procedures for documenting consensus on PLASTICS-sponsored American National Standards, effective June 15, 2018. For additional information, please contact: Ms. Megan Hayes, Director of Industry Standards, PLASTICS Industry Association, 1425 K Street, NW, Suite 500, Washington, DC 20005; phone: 202.974.5217; e-mail: mhayes@plasticsindustry.org.

Professional Ropes Course Association (PRCA)

The reaccreditation of the Professional Ropes Course Association (PRCA), 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 PRCA-sponsored American National Standards, effective June 15, 2018. For additional information, please contact: Mr. Michael Barker, Vice President, Professional Ropes Course Association, 6260 East Riverside Boulevard #104, Rockford, IL 61114; phone: 815.986.7776; e-mail: climb1guide@gmail.com.

International Organization for Standardization (ISO)

ISO Proposal for a New Field of ISO Technical Activity

Sustainable Finance

Comment Deadline: July 13, 2018

BSI, the ISO member body for the United Kingdom, has submitted to ISO a new work item proposal for the development of an ISO standard on Sustainable Finance, with the following scope statement:

Standardization in the field of Sustainable Finance

The program of work will promote the integration of sustainability considerations and environmental, social and governance (ESG) practices into institutional investment decision-making and wider finance management. It will ultimately look to support the alignment of the global financial system with sustainable development goals.

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, July 13.

Meeting Notice

North American Crossbow Federation

NACF 001-2018 – Criteria of Crossbow Designs under Conditions of Reasonable Foreseeable Use and Abuse by Users

The North American Crossbow Federation continues with their efforts to establish basic definitions, standards and testing procedures for the crossbow industry according to the procedure set forth by ANSI. The NACF now has in place the required ANSI mandated balance of consensus committee members. Five NACF manufacture members and ten consensus committee members make up the consensus committee. These proposed standards are listed with ANSI as NACF 001-2018.

This consensus committee held a meeting on May 24th that was adjourned before all the proposed definitions, standards and testing procedures were reviewed and edited. For that reason, the NACF consensus committee will hold another meeting on July 9th at 1:00 P.M.EST. At that time, the meeting of May 24th will be called back to order.

Questions or comments in regards to these proposed matters should be sent before the meeting and can be sent by using the “Contact Us” feature on the NACF website. The NACF website is:

www.northamericancrossbowfederation.com/.

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

NSF/ANSI International Standard
for Food Equipment —

Commercial cooking, rethermalization, and powered hot food holding and transport equipment

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5 Design and construction

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5.31.4 Backflow prevention

5.31.4.1 Units intended to be connected to a water supply system under pressure shall have one of the following:

- an air gap at least twice the diameter of the water supply inlet but not less than 1.0 in (25 mm); or
- a vacuum breaker that conforms to ANSI/ASSE 1001, *Atmospheric Type Vacuum Breakers* (for intermittent pressure conditions); or
- a vacuum breaker that conforms to ANSI/ASSE 1020, *Pressure Vacuum Breaker Assembly* (for continuous pressure conditions); or
- a backflow prevention device that conforms to ANSI/ASSE 1022, *Backflow Preventer for Beverage Dispensing Equipment*; or
- a backflow prevention device that conforms to ANSI/ASSE 1024, *Dual Check Backflow Preventers*; or
- a backflow prevention device that conforms to ASSE 1032, *Dual Check Valve Type Backflow Preventers for Carbonated Beverage Dispensers – Post Mix Type*; or
- a statement in the installation instruction and on a label permanently affixed to the equipment that clearly indicates that the equipment is to be installed with adequate backflow protection to comply with applicable federal, state, and local codes.

***Rationale:** the boilerplate update for the 2007 publication erroneously removed the air gap option from the list of allowable backflow prevention methods. This language was recently approved for Standard 2 and now suggested to be updated as boilerplate for Standard 4.*

Tracking number 42i97r2 et al

Revision to NSF/ANSI 42 – 2017

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Issue 97 Revision 2 (June 2018)

multiple revisions for 42i97, 44i44, 53i112, 55i45, 58i80, 40i110

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[Note – the changes are seen below using ~~strikeout~~ for removal of old text and gray highlights to show the suggested text. REVISION 2 shows highlighted changes in yellow. ONLY the highlighted text is within the scope of this ballot.]

NSF/ANSI Standard for Drinking Water Treatment Units –

Drinking water treatment units – Aesthetic effects

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1.2 Scope

The point-of-use and point-of-entry systems addressed by this Standard are designed to be used for the reduction of specific substances that may be present in drinking water (public or private) considered to be microbiologically safe and of known quality. Systems covered under this Standard are intended to address one or more of the following: reduce substances affecting the aesthetic quality of the water, ~~or to add chemicals for scale control, or limit microbial growth in the system (bacteriostatic) both.~~ Substances may be soluble or particulate in nature, ~~at concentrations influencing public acceptance of the drinking water.~~ It is recognized that a system may be effective in controlling one or more of these substances but is not required to control all. Systems with manufacturer claims that include components or functions covered under other NSF or NSF/ANSI Standards or Criteria shall conform to the applicable requirements therein. Filter systems covered by this Standard are not intended to be used with drinking water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

NOTE - Systems that contain multiple treatment technologies (e.g., UV + filtration, UV + RO) that are compliant ~~comply~~ with NSF/ANSI 55 Class A or other standards that cover technologies to treat microbiologically unsafe water (i.e. US EPA Guide Standard and Protocol for Testing Microbiological Water Purifiers or NSF P231) are an examples of demonstrating adequate disinfection before or after the system.

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NSF/ANSI Standard for Drinking Water Treatment Units –

Drinking water treatment units – Residential cation exchange water softeners

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1.2 Scope

The manual, autoinitiated, and demand-initiated regeneration residential cation exchange water softeners addressed by this Standard are designed for the reduction of specific substances that may be present in drinking water (public or private) considered to be microbiologically safe and of known quality. Systems covered under this standard are intended to reduce hardness affecting the aesthetic quality of water. The established health hazards, barium and radium, ~~Potential health hazard,~~ are optional performance claims addressed by this standard. ~~to be used for the removal of hardness and the reduction of specific contaminants from drinking water supplies (public or private) considered to be microbiologically safe and of known quality.~~ Systems with manufacturer claims that include components or functions covered under

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other NSF or NSF/ANSI Standards or Criteria shall conform to the applicable requirements therein. Systems covered by this Standard are not intended to be used with drinking water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system

NOTE - Systems that contain multiple treatment technologies (e.g., UV + filtration, UV + RO) that are compliant with NSF/ANSI 55 Class A or other standards that cover technologies to treat microbiologically unsafe water (i.e. US EPA Guide Standard and Protocol for Testing Microbiological Water Purifiers or NSF P231) are an examples of demonstrating adequate disinfection before or after the system.

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NSF/ANSI Standard
for Drinking Water Treatment Units –

Drinking water treatment units –
Health effects

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1.2 Scope

The point-of-use and point-of-entry systems addressed by this Standard are designed to be used for the reduction of specific substances that may be present in drinking water (public or private) considered to be microbiologically safe and of known quality. Systems covered under this Standard are intended to reduce these substances that are considered established or potential health hazards. They may be microbiological, chemical, or particulate (including filterable cysts) in nature. It is recognized that a system may be effective in controlling one or more of these contaminants, but systems are not required to control all. Systems with manufacturer claims that include components or functions covered under other NSF or NSF/ANSI Standards or Criteria shall conform to the applicable requirements therein. ~~Activated carbon Filter~~ Systems covered by this Standard are not intended to be used with drinking water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

NOTE - Systems that contain multiple treatment technologies (e.g., UV + filtration, UV + RO) that are compliant with NSF/ANSI 55 Class A or other standards that cover technologies to treat microbiologically unsafe water (i.e. US EPA Guide Standard and Protocol for Testing Microbiological Water Purifiers or NSF P231) are an examples of demonstrating adequate disinfection before or after the system.

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NSF/ANSI Standard
for Drinking Water Treatment Units –

Drinking water treatment units –
Ultraviolet microbiological water treatment units

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1.2 Scope

This Standard covers ultraviolet microbiological water treatment systems and components for point-of-use and point-of-entry applications. Systems are intended to be used under the following specific conditions.

1.2.1 Class A systems

Class A point-of-entry and point-of-use systems covered by this Standard are designed to be used for treating microbiologically unsafe water, but do not reduce chemical or inert particulate contaminants. Systems covered in this standard are designed to inactivate and/or remove microorganisms, including

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bacteria, viruses, *Cryptosporidium* oocysts, and *Giardia* cysts, from contaminated water. Systems covered by this Standard are not intended for the treatment of water that has an obvious contamination or intentional source, such as raw sewage, nor are systems intended to convert wastewater to drinking water. The systems are intended to be installed on visually clear water (not colored, cloudy, or turbid). Systems with manufacturer claims that include components or functions covered under other NSF or NSF/ANSI Standards or Criteria shall conform to the applicable requirements therein.

Class A systems not installed downstream of a device tested for cyst reduction/inactivation in conformance to the appropriate NSF/ANSI standard may claim *Cryptosporidium* oocysts and *Giardia* cysts only. Class A systems installed downstream of a device tested for cyst reduction/inactivation in conformance to the appropriate NSF/ANSI 53 or 58 standards may make a general cyst claim when used on untreated surface waters and/or ground water under the direct influence of surface water.

NOTE — Current data support that *Cryptosporidium* oocysts and *Giardia* cysts are inactivated by ultraviolet treatment.

1.2.2 Class B systems or components

Class B point-of-entry and point-of-use systems covered by this Standard are designed to be used for supplemental bactericidal treatment for the inactivation of microorganisms that may be present in drinking water (public or private) considered to be microbiologically safe and of known quality. Systems covered under this Standard are intended to inactivate ~~of disinfected public drinking water or other drinking water that has been tested and deemed acceptable for human consumption by the state or local health agency having jurisdiction. The system is designed to reduce~~ normally occurring nonpathogenic nuisance microorganisms only. The Class B system is not intended for the disinfection of microbiologically unsafe water and may not make individual or general cyst claims. Class B systems shall not make microbiological health effects claims. Systems covered by this Standard (Class B) are not intended to be used with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system. Systems with manufacturer claims that include components or functions covered under other NSF or NSF/ANSI Standards or Criteria shall conform to the applicable requirements therein

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NSF/ANSI Standard for Drinking Water Treatment Units –

Drinking water treatment units – Reverse osmosis drinking water treatment systems

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1.2 Scope

The point-of-use reverse osmosis drinking water treatment systems addressed by this Standard are designed to be used for the reduction of specific substances that may be present in drinking water (public or private) supplies (public or private) considered to be microbiologically safe and of known quality ~~(except that claims for the reduction of filterable cysts may be permitted)~~. Systems covered by this Standard are intended for reduction of total dissolved solids (TDS) and other contaminants specified herein. They may be chemical or particulate (including filterable cysts) in nature. It is recognized that a system may be effective in controlling one or more of these contaminants, but systems are not required to control all, however, TDS testing is required. Systems with manufacturer claims that include components or functions covered under other NSF or NSF/ANSI Standards or Criteria shall conform to the applicable requirements therein. Systems covered by this Standard are not intended to be used with drinking water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

NOTE - Systems that contain multiple treatment technologies (e.g., UV + filtration, UV + RO) that are compliant with NSF/ANSI 55 Class A or other standards that cover technologies to treat microbiologically unsafe water (i.e. US EPA Guide Standard and Protocol for Testing Microbiological Water Purifiers or NSF P231) are an

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examples of demonstrating adequate disinfection before or after the system.

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NSF/ANSI Standard for Drinking Water Treatment Units –

Drinking water treatment units – Emerging compounds/incidental contaminants

1.2 Scope

The point-of-use and point-of-entry systems addressed by this Standard are designed to be used for the reduction of specific substances that may be present in drinking water (public or private) – considered to be microbiologically safe and of known quality. Systems covered under this Standard are intended to reduce substances that are at very low, yet measurable concentrations but not at definitive concentrations of known health concern. These substances may be soluble or particulate in nature but their presence, even at very low concentrations, may influence public acceptance/perception of the drinking water quality. The systems addressed by this Standard are not intended for reducing these specific substances at higher concentrations that may have a known acute or chronic health effect. It is recognized that a system may be effective in reducing one or more of the emerging compounds/incidental contaminants listed in this Standard, but systems are not required to control all. ~~It is not necessary that a device be able to reduce all the Emerging Compounds/Incidental Contaminants listed in order to meet the requirements of this Standard.~~ Systems with manufacturer claims that include components or functions covered under other NSF or NSF/ANSI standards or criteria shall conform to the applicable requirements therein. Systems covered by this Standard are not intended to be used with drinking water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

NOTE - Systems that contain multiple treatment technologies (e.g., UV + filtration, UV + RO) that are compliant ~~comply~~ with NSF/ANSI 55 Class A or other standards that cover technologies to treat microbiologically unsafe water (i.e. US EPA Guide Standard and Protocol for Testing Microbiological Water Purifiers or NSF P231) are an examples of demonstrating adequate disinfection before or after the system.

Please note: The following revisions shall apply to all applicable sections under NSF/ANSI 42, 44, 53, 58, and 401:

8 Instruction and information

8.1 Installation, operation, and maintenance instruction

8.1.1 Information setting forth complete, detailed instructions for installation, operation, and maintenance shall be provided with each system. Specific information shall include:

— statement for activated carbon systems: "Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system."

NOTE – Systems that are compliant with NSF/ANSI 55 Class A or other standards that cover technologies to treat microbiologically unsafe water (i.e. US EPA Guide Standard and Protocol for Testing Microbiological Water Purifiers or NSF P231) are examples of demonstrating adequate disinfection before or after the system.

8.2 Data plate

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8.2.1 Systems except commercial modular

- statement for activated carbon systems: "Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system."

NOTE 1 — Where the physical size of the system does not permit affixing the caution statement to the system, the statement shall be prominently displayed in the literature accompanying the system.

NOTE 2 – Systems that are compliant with NSF/ANSI 55 Class A or other standards that cover technologies to treat microbiologically unsafe water (i.e. US EPA Guide Standard and Protocol for Testing Microbiological Water Purifiers or NSF P231) are examples of demonstrating adequate disinfection before or after the system.

8.2.2 Commercial modular systems

- statement for activated carbon systems: "Do not use with water that is microbiologically unsafe or unknown quality without adequate disinfection before or after the system."

NOTE – Systems that are compliant with NSF/ANSI 55 Class A or other standards that cover technologies to treat microbiologically unsafe water (i.e. US EPA Guide Standard and Protocol for Testing Microbiological Water Purifiers or NSF P231) are examples of demonstrating adequate disinfection before or after the system.

8.3 Replacement components

- statement for activated carbon systems: "Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system."

NOTE 1 — Where the physical size of the component does not permit affixing the caution statement to the component, the statement shall be prominently displayed in the literature accompanying the component.

NOTE 2 – Systems that are compliant with NSF/ANSI 55 Class A or other standards that cover technologies to treat microbiologically unsafe water (i.e. US EPA Guide Standard and Protocol for Testing Microbiological Water Purifiers or NSF P231) are examples of demonstrating adequate disinfection before or after the system.

8.4 Performance data sheet

8.4.2 Where applicable, the following information shall also be included:

- statement for activated carbon system: "Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.";

NOTE - Systems that are compliant with NSF/ANSI 55 Class A or other standards that cover technologies to treat microbiologically unsafe water (i.e. US EPA Guide Standard and Protocol for Testing Microbiological Water Purifiers or NSF P231) are examples of demonstrating adequate disinfection before or after the system.

Rationale: Revised language for consistency between the DWTU standards and added clarifying statement for systems that include components or functions covered under other NSF standards REVISION 2 corrects the note under section 1 per 2018 DWTU JC meeting discussion (May 9, 2018).

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Sustainability assessment for carpet

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6.2.1 Feedstock inventory documentation(prerequisite)

A manufacturer shall receive one point for identifying material composition for components present at 0.1% (1000 parts per million) ~~4%~~ (40 parts per thousand) or greater of the incoming raw materials, including materials identified as persistent, bioaccumulative, and toxic (PBT) as found in Annex B. This shall apply to the incoming raw materials that result in 1% or greater of the final product. Refer to Annex B, Figure B1 for a definition of the boundaries to be included in this inventory.

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6.3.5.2.2 PBTs released as process outputs

A manufacturer shall receive one point for obtaining documentation from first tier suppliers (one step upstream) of the manufacturing facility (see Annex B, Figure B1) demonstrating that PBT chemicals and other chemicals of concern (as defined in Annex B, Table B1) are not released as process outputs (emissions) at the point of manufacture at or above CERCLA reportable quantity (RQ) reporting thresholds. The manufacturer shall document that first tier suppliers do not have PBT emissions at or above the reporting thresholds described in Annex B. This shall apply only to the emissions directly associated with the incoming raw materials that result in 1% or greater of the final product.

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Section 7.2.1

The boundary for this credit shall be Annex B, Figure B1. For the manufacturing facility or facilities only, the manufacturer shall receive one point for documenting 100% of production electrical and thermal energy requirements. Thermal energy is energy such as heat or steam for industrial, commercial, heating, or cooling purposes, including through the sequential use of energy. For onsite-generated energy, the manufacturer shall identify the fuel type (e.g., natural gas, diesel oil, fuel oil, bauxite coal). For offsite-generated energy (e.g., supplied electricity), the manufacturer shall document the percent of energy derived from renewable versus non-renewable sources.

7.2.1 (cont.)

For purposes of documentation, include the type of energy, the amount of energy used in the calendar year or consecutive twelve month period prior to certification, and the conversion factors used to present the energy used in a common unit of measure (e.g. Btus or kWh).

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Table 7.2 – Points awarded for supplier’s usage of renewable energy

Percent renewable energy of total energy	Points Awarded
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Production	
≥ 1%	2
≥ 25 5%	3
≥ 35 10%	4
≥ 50 15%	5
≥ 75 20%	6

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7.2.4 credit is revised to limit the scope to documenting a greenhouse gas emissions inventory.

7.2.4 Greenhouse gas emissions inventory (Pre-requisite for Platinum)

The boundary for this credit shall be Annex B, Figure B1. For the manufacturing facility, a manufacturer shall receive one point for documenting reductions in its greenhouse gas emissions inventory for the six Kyoto Protocol gases (CO₂, CH₄, N₂O, HFC, PFC, SF₆ and NF₃) from Scope 1 and Scope 2 energy use, in accordance with WRI GHG protocol (or other recognized protocols, resulting from energy use over a three-year period of time. The manufacturer shall calculate reductions in greenhouse gas emissions resulting from use of renewable energy and/or from energy reduction.

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Table 9.2 is updated to be consistent with changes made to referenced AATCC, ASTM and CRI standards

Table 9.2 – Carpet performance Testing

Characteristic	Commercial Performance Standard		Residential Performance Standard		Validity of Test Data
	Value	Method	Value	Method	
Texture Appearance Retention Rating (TARR)	Moderate Traffic: min 2.5 TARR Heavy Traffic: min 3.0 TARR Severe Traffic: min 3.5 TARR	ASTM D5252-Hexapod drum at 12000 Cycles ASTM D7330 Assessment of Surface Appearance Change CRI TM 401- 103 TARR			Within the previous 24 months

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Tuft Bind	8.0 lbs for loop pile yarns 3.0 lbs for cut pile yarns	ASTM D1335	6.2 lbs for loop pile yarns 3.0 lbs for cut pile yarns	ASTM D1335	Within the previous 12 24 months
Delamination Strength	Minimum average value of 2.5lbs/in	ASTM D3936	Minimum average value of 2.5lbs/in	ASTM D3936	Within the previous 12 24 months
Flammability (Pill Test)	Must meet Federal Requirements	DOC FF 1-70	Must meet Federal Requirements	DOC FF 1-70	Within the previous 24 months
Flammability (Radiant Panel)	building/fire code regulations Class 1- minimum 0.45 watts/cm ² Class 2- minimum 0.22 watts/cm ²	ASTM E648	n/a		Within the previous 24 months
Flammability (Smoke Density)	Must meet local building/fire code regulations Maximum specific optical density not exceeding 450 (flaming exposure)	ASTM E662	n/a		Within the previous 24 months
Electrostatic Propensity	Equal to or less than 3.5kv	AATCC-134, step test			Within the previous 12 24 months
Colorfastness to Light	Minimum grade 4 at 40 AFU	AATCC 16E Option 3	Minimum grade 4 at 40 AFU	AATCC 16E Option 3	Within the previous 12 24 months

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Section 9.4 and Section 9.10 points allocation are reversed, to give Section 9.4 only one point.

9.4 LCA for product platform undergoing assessment (prerequisite for platinum)

A manufacturer shall receive ~~three~~ one points for completing an actual LCA for the product platform undergoing assessment. The LCA shall be completed in accordance with the ISO standards for life cycle assessment (ISO 14040 – 14048).

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Section 9.6 is amended to harmonize the supplier performance threshold to 70% consistent with Section 6.3.5.2.

9.6 Suppliers' social indicator reporting

A manufacturer shall receive one point for obtaining documentation from a minimum or 70% of first tier suppliers (one step upstream) of the manufacturing facility that report social indicator metrics as shown in Table 9.1. ~~for each manufacturer whose product constitutes at least 1% of the product being evaluated.~~ It is not the intent of this requirement that companies supplying chemicals that end up at de minimis levels in the product being evaluated be contacted and asked for this information. The reporting of employment information required in Table 9.1 shall be made by either a detailed breakdown or general summary of compliance. This shall apply to the incoming raw materials that results in 1% or greater of the final product.

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Section 9.10 and Section 9.4 points allocation are reversed, to give Section 9.10 three points.

9.10 Environmental Product Declarations

The manufacturer shall receive ~~one~~ **three** points if it completes a publicly available Environmental Product Declaration (EPD) conducted in accordance with ISO 14025 following the requirements on open consultative-based product category rule (PCR). The EPD shall be validated by an independent third party for the product undergoing assessment.

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The recommended change below is to adopt references to lists that will be maintained over time. This approach is consistent with other standards.

Annex B (Normative)

Table B.1 – Persistent, bioaccumulative, and toxic (PBT) chemicals

A	<i>International Agency on the Research of Cancer (IARC) Group 1 – Carcinogenic to Humans and Group 2A – Probably Carcinogenic to Humans;</i>
B	<i>National Toxicology Program (NTP) – Known Human Carcinogen and Reasonably Anticipated Carcinogenic;</i>
C	<i>Occupational Safety and Health Administration (OSHA)n- Regulated Toxic Metal or Carcinogen;</i>
D	<i>California Proposition 65 – Known to cause cancer or reproductive toxicity;</i>
E	<i>USEPA Toxic Release Inventory (TRI) persistent, bioaccumulative, , and toxic (PBT) chemicals – Known persistent, bioaccumulative, and toxic chemicals and compounds (a subset of the USEPA TRI list of chemicals and compounds); or</i>
F	<i>USEPA TRI- Complete USEPA toxic chemical list (including known PBT chemicals and compounds), RCRA Waste Minimization list, the U.S. – Canada Binational list, and the Stockholm Convention POPs list.</i>

NOTE – The most current version of the above shall be referenced during certification.

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NSF/ANSI Standard
for Wastewater Treatment Systems —

Onsite residential and commercial water reuse treatment systems

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5 Design and construction

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5.4 Noise

When installed according to the manufacturer’s instructions, the system shall not produce excessive noise.

Noise associated with systems designed for outdoor operation, measured at (4-ft 47 inches) above the ground surface, 6.00 m (~~20-ft~~236 inches) in four directions, at 90, 180, 270, and 360° from the system and its appurtenances shall not exceed 60 dbA.

Noise associated with systems designed for indoor operation, measured at (4-ft 47 inches) above the ground surface, 1.0 m (~~3-ft~~ 39 inches) in four directions, at 90, 180, 270, and 360° from the system and its appurtenances shall not exceed 60 dbA.

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Rationale: Conversions from metric to English units must result in the same number of significant figures in each number, according to IEEE/ASTM SI 10 American National Standard for Metric Practice. Increasing the significant figures in the metric unit allows for appropriate precision in the English unit to assure the test will be the same no matter what measurement instruments are used.

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

NSF International Standard / American National Standard –

Public Drinking Water Equipment Performance – Membrane Filtration

1 General

1.1 Purpose

It is the purpose of this Standard to establish minimum performance requirements for bag filters, cartridge filters, and microfiltration or ultrafiltration membranes used in the treatment and production of public drinking water.

Reason: Added language per comment submitted by J. Mendez to be more descriptive of the type of filtration devices covered under the Standard.

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2 Normative references

The following documents contain provisions that constitute requirements of this Standard. At the time of the publication, the indicated editions were valid. All standards are subject to revision, and parties are encouraged to investigate the possibility of applying the recent editions of the standards indicated below. The most recent published edition of the document shall be used for undated references.

40 CFR Part 141.719, *National Primary Drinking Water Regulations; Additional filtration toolbox components*⁵

APHA, *Standard Methods for the Examination of Water and Wastewater*, twentieth edition⁶

ASTM D6908-03 *Standard Practice for Integrity Testing of Water Filtration Membrane Systems*⁷

ASTM E29-02 *Standard Practice for Using Significant Digits in Test Data to Determine Conformance with Specifications*^{Error! Bookmark not defined.}

ISO/IEC 17025: General requirements for the competence of testing and calibration laboratories⁸

⁵ Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402 <www.gpo.gov>.

⁶ American Public Health Association (APHA), 800 I Street, NW, Washington, DC 20001 <www.apha.org>.

⁷ ASTM International, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2859 <www.astm.org>.

⁸ International Standardization Organization. 1 ch. De la Voie-Creuse, Case postale 56, CH 1211 Geneva, 20 Switzerland, <www.iso.org>.

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NSF/ANSI 61, *Drinking Water System Components – Health Effects*

Reason: Removed date from reference to ensure most recent published edition will be used per 2016 JC meeting discussion. Added ISO reference per 2017 JC meeting discussion.

3 Definitions

The following terms are used in this document, and were derived from the definitions in the EPA guidance manuals for LT2ESWTR referenced herein.

3.1 bag and cartridge filters: Pressure driven separation devices that remove particles typically greater than 1 µm using an engineered porous filtration media.

3.2 challenge particulate: The target organism or acceptable surrogate used to determine the log removal value (LRV) during a challenge test.

3.3 challenge test: A study conducted to determine the removal efficiency or log removal value for the challenge test (LRV_{C-TEST}) of a membrane module, cartridge, or bag filter for a particular organism, particulate, or surrogate.

Reason: Added definition per E. Hofeld's comment and JC meeting discussion on 10/27/16.

3.34 crossflow: 1) The application of water at high velocity tangential to the surface of a membrane to maintain contaminants in suspension; also, 2) suspension mode hydraulic configuration that is typically associated with spiral-wound nanofiltration (NF) and reverse osmosis (RO) systems and a few hollow-fiber microfiltration (MF) and ultrafiltration (UF) systems.

3.45 deposition mode: A hydraulic configuration of membrane filtration systems in which contaminants removed from the feed water accumulate at the membrane surface (and in microfiltration (MF)/ultrafiltration (UF) systems are subsequently removed via backwashing).

3.56 direct integrity test: A physical test applied to a membrane unit in order to identify and/or isolate integrity breaches.

3.67 filtrate: The water produced from a filtration process; typically used to describe the water produced by porous membranes such those used in membrane cartridge filtration (MCF), microfiltration (MF), and ultrafiltration (UF) process, although used in the context of the LT2ESWTR to describe the water produced from all membrane filtration processes, including nanofiltration (NF) and reverse osmosis (RO).

3.78 flux: The throughput of a pressure-driven membrane filtration system expressed as flow per unit of membrane area on the feed side surface (e.g., gallons per square foot per day (GFD) or liters per hour per square meter (LMH)).

Reason: Added language per E. Hofeld's suggestion and JC meeting discussion on 10/27/16 to consistent with AWWA B112-15.

3.89 hydraulic configuration: The pattern of flow through a membrane process by which the feed contaminants are removed or concentrated (e.g., crossflow, dead-end, etc.).

3.910 log removal value (LRV): Filtration removal efficiency for a target organism, particulate, or surrogate expressed as log₁₀

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3.4011 membrane unit: A group of membrane modules that share common valving which allows the unit to be isolated from the rest of the system for the purpose of integrity testing or other maintenance.

3.4412 microfiltration (MF): A pressure-driven membrane filtration process that typically employs hollow-fiber membranes with a pore size range of approximately 0.1 to 0.2 ~~mm~~ μm (nominally 0.1 ~~mm~~ μm).

Reason: Revised per E. Hofeld's suggestion and JC meeting discussion on 10/27/16 to consistent with AWWA B112-15.

3.13 minimum detection limit (MDL)⁹: The minimum concentration of substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero, and is determined from analysis of a sample in a given matrix containing the analyte.

3.4214 module: The smallest component of a membrane unit in which a specific membrane surface area is housed in a device with a filtrate outlet structure; refers to all types of membrane configurations, including terms such as "element" or "cartridge" that are commonly used in the membrane treatment industry.

3.4315 non-destructive performance test (NDPT): A physical quality control test typically conducted by a manufacturer to characterize some aspect of process performance without damaging or altering the membrane or membrane module.

3.4416 quality control release value (QCRV): A minimum quality standard of a non-destructive performance test (NDPT) established by the manufacturer for membrane module production that ensures that the module will attain the targeted log removal value (LRV) demonstrated during challenge testing in compliance with the LT2ESWTR.

3.4517 terminal pressure drop: The pressure drop across a bag or cartridge filter at which the manufacturer states the filter should be replaced. Establishes the end of the useful life of the filter.

3.4618 ultrafiltration (UF): A pressure-driven membrane filtration process that typically employs hollow-fiber membranes with a pore size range of approximately 0.01 to 0.05 ~~mm~~ μm (nominally 0.01 ~~mm~~ μm).

Reason: Revised per E. Hofeld's suggestion and JC meeting discussion on 10/27/16 to be consistent with AWWA B112-15.

⁹ As defined by the U. S. Environmental Protection Agency (USEPA), 40 CFR 136, Appendix B, revision 1.11, Office of Water, 1200 Pennsylvania Avenue, N.W., Washington, D.C. 20460 <www.epa.gov>.

BSR/UL 73, Standard for Motor-Operated Appliances**PROPOSAL**

6.1.1 A component of a product covered by this standard shall:

- a) Comply with the requirements for that component as indicated in 6.2 - 6.26;
- b) Be used in accordance with its rating(s) established for the intended conditions of use;
- c) Be used within its established use limitations or conditions of acceptability;
- d) Additionally comply with the applicable requirements of this end product standard; and
- e) Not contain mercury, unless used within a fluorescent, high intensity discharge, or neon lamp bulb.

Exception No. 1: A component of a product covered by this standard is not required to comply with a specific component requirement that:

- a) *Involves a feature or characteristic not required in the application of the component in the product,*
- b) *Is superseded by a requirement in this end product standard, or*
- c) *Is separately investigated when forming part of another component, provided the component is used within its established ratings and limitations.*

Exception No. 2: A component that complies with a UL component standard other than those specified in 6.2 - 6.26 is acceptable if the:

- a) *Component also complies with the applicable component standard of 6.2 - 6.26; or*
- b) *UL component standard:*
 - 1) *Is compatible with the ampacity and overcurrent protection requirements in the National Electrical Code, NFPA 70, where applicable;*
 - 2) *Considers long-term thermal properties of polymeric insulating materials in accordance with the Standard for Polymeric Materials - Long Term Property Evaluations, UL 746B, and*
 - 3) *Any use limitations of the other component standard are identified and appropriately accommodated in the end use application. For example, a component used in a household application, but intended for industrial use and complying with the relevant component standard may assume user expertise not common in household applications.*

BSR/UL 252, Standard for Safety for Compressed Gas Regulators

1. Clarification of inlet and outlet fittings and adding propylene to the Volume Change and Weight Loss Tests

PROPOSAL

CONSTRUCTION

8 Connections

8.1 A regulator intended for attachment to a gas storage cylinder shall be provided with an inlet connection that conforms with the Standard for Compressed Gas Cylinder Valve Outlet and Inlet Connections, CGA Pamphlet V-1, or, be of the manufacturer's own proprietary non-interchangeable gas-specific connection, for the gas involved and it is additionally marked in accordance with 21.1(e).

Exception: The inlet fittings may comply with the requirements of a Foreign National Standard for inlet fittings when the compressed gas regulator is tested in accordance with the applicable requirements in Sections 10–20 and it is additionally marked in accordance with 21.1(e).

8.7 The inlet and outlet fittings may comply with the requirements of a Foreign National Standard for inlet fittings when the compressed gas regulator is tested in accordance with the applicable requirements in Sections 10 - 20 and it is additionally marked in accordance with 21.1(e) and 21.4.

PERFORMANCE

15 Volume-Change and Weight-Loss Tests

15.1 General

Table 15.1

Test liquids for synthetic-rubber materials

Gas in contact with part	Test liquid
LP-Gas	n-Hexane
Manufactured and Natural Fuel Gases	IRM 903 Oil (ASTM D471) and n-Hexane
Methylacetylene-Propadiene Stabilized (MPS)	Liquid MPS
Propylene	Liquid Propylene

MARKING

21 General

21.3 Markings shall be legible and shall be metal stamped, molded in a casting, a decalcomania transfer, metal nameplate, or printed on a pressure-sensitive label complying with the Standard for Marking and Labeling Systems, UL 969.

~~Exception: The marking required by 21.3 is not required to be permanent.~~

21.4 Regulators constructed using pipe thread in accordance with the Exception to ~~8.3~~ 8.4 or fittings in accordance with 8.7 shall be provided with a tag, label, or similar marking on the product or smallest unit package, identifying the pipe thread type for the installer. This marking is not required to be permanent.

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BSR/UL 330B, Standard for Safety for Hose and Hose Assemblies for Use With Dispensing Devices Dispensing Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends With Nominal Biodiesel Concentrations Up To 20 Percent (B20), Kerosene, and Fuel Oil

1. Revision to construction section regarding threads and couplings

PROPOSAL

CONSTRUCTION

9 Couplings

9.3 When the threads of the couplings of a single-line hose assembly or vapor recovery hose assembly are not as specified in 9.2, the installation instructions which accompany each assembly shall indicate the specific equipment which can be connected to the fitting or shall be marked in accordance with 31.8.

MARKING

31 Details

31.8 Hoses constructed using pipe thread in accordance with 9.3 shall be provided with a tag, label, or similar marking on the product or smallest unit package, identifying the pipe thread type. This marking is not required to be permanent.

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BSR/UL 507, Standard for Electric Fans

1. Allow exception from abnormal test requirements for units with screw based LED lighting

PROPOSAL

144.2.1.1 An inherently protected unit connected to a supply as described in 144.1.1 and installed as described in 144.1.3 - 144.1.10 is to be operated with the largest type and wattage lamp that will physically fit into the unit with the trim and diffuser installed and positioned as intended. The test is to be conducted in the "fan off-light on" condition. The temperatures attained on parts of the unit in contact with combustible materials (for example, insulation, the test box, and unit support surfaces) after 7-1/2 hours of operation shall not exceed 90°C (194°F).

Exception No. 1: This requirement does not apply to fans having a fluorescent or LED, ANSI GU24 pinbase lampholder and provided with markings relevant to self-ballasted lamp use.

Exception No. 2: This requirement does not apply to fans intended for use with replaceable screw base LED lighting only and marked as specified in 145.6.

144.2.2.1 A thermally protected unit is to be connected to a supply as described in 144.1.1 and installed as described in 144.1.3 - 144.1.10.

Exception No. 1: This requirement does not apply to fans having a fluorescent or LED, ANSI GU24 pinbase lampholder and provided with markings relevant to self-ballasted lamp use.

Exception No. 2: This requirement does not apply to fans intended for use with replaceable screw base LED lighting only and marked as specified in 145.6.

144.2.3.1 A thermally protected unit is to be connected to a supply as described in 144.1.1, installed as described in 144.1.3 - 144.1.10, and tested as described in 144.2.3.2 - 144.2.3.8. See Figure 144.2.

Exception No. 1: This requirement does not apply to fans having a fluorescent or LED, ANSI GU24 pinbase lampholder and provided with markings relevant to self-ballasted lamp use.

Exception No. 2: This requirement does not apply to fans intended for use with replaceable screw base LED lighting only and marked as specified in 145.6.

145.6 A unit intended for use with replaceable screw base LED lighting only shall be marked at a point visible when relamping with "CAUTION" and as applicable with the following or equivalent "Use LED lamp only for _____ V, Max _____ Watts."

2. Marking Requirement for Evaporative Coolers Shipped Without Motors

PROPOSAL

201.11 A commercial-industrial evaporative cooler or air-filtering appliance that is shipped from the factory without the motor and drive assembly shall be plainly marked as shown in (a) - (e).

a) Identification of all motors and/or motor kits suitable for installation on the evaporative cooler or air-filtering appliance. Identification shall include manufacturer's name, model or cat. no. and/or

motor kit no., electrical ratings such as voltage, amperage, frequency, number of phases (if polyphase) and horsepower.

Exception: If the motor is the only electric-energy-consuming component or if it is on a separate circuit, the electrical rating given on the motor nameplate need not be shown elsewhere on the evaporative cooler or air-filtering appliance if this nameplate is visible on the motor after the evaporative cooler or air-filtering appliance has been installed as intended.

b) Motors which incorporate motor-overload protection shall be marked to indicate the presence of such protection.

c) Motors which do not incorporate motor-overload protection (not marked "thermally protected") shall be so identified to indicate that remote motor-overload protection is required per 200.3.1.

d) The marking shall include:

1) A provision for marking on the unit to indicate which motor has been installed; and

2) The following instruction: "Mark the motor list to indicate which motor or motor kit has been installed by (include specific method). For dual voltage motors, indicate the voltage for which the motor is connected." (Equivalent wording may be employed).

e) The marking shall include a reference to enclosed installation or operating instructions for identification of the proper drive assembly to be installed.

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BSR/UL 1004-1, Standard for Rotating Electrical Machines - General Requirements

1. Clarification for Determining Compliance for Grounding Continuity and Bonding

PROPOSAL

39.1 The resistance of the grounding and bonding path shall be no more than 0.1 ohms. The resistance is to be determined by applying a current equal to the full-rated machine input/output between the part intended to be grounded and/or bonded and the grounding conductor terminal, measuring the voltage drop and dividing the voltage drop potential by the current flowing in the circuit to calculate the grounding path impedance.

3. Clarification for KVA Codes for Motors with Drives

PROPOSAL

44.9 For field installed motors, an alternating-current motor rated 1/2 horsepower (373 W output) or more shall be marked with a code letter to indicate the locked-rotor amperes in accordance with the *National Electrical Code*®, NFPA 70.

Exception: Motors requiring a drive to operate as intended, where the in-rush current is limited, may have the locked rotor amperes (KVA) code letter omitted. If the drive is separately provided from the motor and the KVA code letter is omitted, the motor shall be marked "inverter duty only" or equivalent.

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BSR/UL 2196, Standard for Fire Test for Circuit Integrity of Fire-Resistive Power, Instrumentation, Control and Data Cables

1. Revision to provide clarification to the Hose Stream Test requirement

(REVISED)

5.2 HOSE STREAM TEST

5.2.1 Test Assembly

5.2.1.1 The hose stream test shall be conducted no longer than 5 minutes after the fire exposure test and shall be conducted on the test assembly. The cable shall not be energized during the hose stream test. See Clause 6.2.1.

5.2.1.2 The hose stream test shall be conducted in accordance with the requirements in CAN/ULC-S101, Standard Methods of Fire Endurance Tests of Building Construction and Materials, or ANSI/UL 263, Standard for Fire Tests of Building Construction and Materials. ~~See Clause 6.2.1.~~

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