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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.

ABYC (American Boat and Yacht Council)

613 Third Street, Suite 10, Annapolis, MD 21403 www.abycinc.org

Contact: Sara Moulton; smoulton@abycinc.org

Revision

BSR/ABYC A-27-202x, Alternating Current (AC) Generator Sets (revision of ANSI/ABYC A-27-2016)

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

Project Need: This standard identifies safety issues with alternating current (AC) generator sets.

Scope: This standard addresses the design, construction, and installation of alternating current (AC) generator sets intended for installation and operation on boats.

ABYC (American Boat and Yacht Council)

613 Third Street, Suite 10, Annapolis, MD 21403 www.abycinc.org

Contact: Sara Moulton; smoulton@abycinc.org

Revision

BSR/ABYC C-2-202x, Carbon Canisters for Marine Applications (revision of ANSI/ABYC C-2-2016)

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

Project Need: This standard applies to carbon canister devices installed for the purpose of reducing hydrocarbon emissions.

Scope: This standard addresses the design, manufacture, testing, and application of carbon canisters as a device to reduce evaporative hydrocarbon emissions in a marine gasoline fuel system caused by the diurnal cycle.

ASC X9 (Accredited Standards Committee X9, Incorporated)

275 West Street, Suite 107, Annapolis, MD 21401 www.x9.org

Contact: Ambria Frazier; Ambria.frazier@x9.org

Revision

BSR X9.24-3-202X, Retail Financial Services Symmetric Key Management - Part 3: Derived Unique Key per Transaction (revision of ANSI X9.24-3-2017)

Stakeholders: SCD vendors, transaction processing hosts, key loading facilities, networks, PCI SSC.

Project Need: This standard provides a means to standardize an interoperable key management scheme that generates a unique key for each transaction as the industry transitions from the use of TDEA to AES for securing electronic payment data. Files are difficult to find without full path, and there are items that the X9F6 workgroup has identified for inclusion.

Scope: The use of DUKPT, as defined in X9.24 part 1, informative Annex A has become an industry standard. With the move from TDEA to AES, the AES DUKPT has also been standardized. This standard is used to define various secure and vetted methods of any DUKPT implementation.

HPS (ASC N43) (Health Physics Society)

1313 Dolley Madison Blvd #402, McLean, VA 22101 www.hps.org

Contact: Nancy Johnson; nanjohns@verizon.net

Revision

BSR N43.4-202x, Classification of Radioactive Self-Luminous Light Sources (revision of ANSI N43.4-2013)

Stakeholders: Stakeholders include everyone who uses self-luminous light sources.

Project Need: This standard is primarily directed toward assuring adequate containment of the radioactive material. Other factors, such as quality control, external radiation levels, radiotoxicity of the radionuclide, its chemical and physical form, and quantity of radioactive material in the source, also shall require consideration in view of the ever present objective of keeping exposures as low as is reasonably achievable (ALARA).

Scope: This standard establishes the classification of certain radioactive self-luminous light sources according to radionuclide, type of source, activity, and performance requirements. The standard does not attempt to establish design or safety standards, but leaves the design features to the judgment of the supplier and user, provided that the performance requirements are met.

ICC (International Code Council)

4051 Flossmoor Road, Country Club Hills, IL 60478 www.iccsafe.org

Contact: Karl Aittaniemi; kaittaniemi@iccsafe.org

New Standard

BSR/ICC 1210-202x, Standard for Mechanical, Electrical, Plumbing Systems, Energy Efficiency and Water Conservation in Off-site Construction (new standard)

Stakeholders: Code officials, builders, manufacturers, design professionals, certification agencies.

Project Need: The lack of uniformity on how off-site construction is handled, the confusion across participants in the building process, and the hesitancy within the code official community reinforces the need for development of common criteria in the form of a standard to offer a path to compliance necessary to support the off-site construction industry with respect to MEP system elements, energy efficiency and water conservation.

Scope: Development of a comprehensive standard to address requirements for the energy efficiency and water conservation of off-site construction projects and the planning, designing, fabricating, transporting, and assembling, of commercial and residential building mechanical, electrical and plumbing (MEP) system elements. This includes the componentization and modularization of elements of MEP systems; the incorporation of MEP systems in componentized, panelized, or modularized building elements; and the achievement of energy efficiency and water conservation requirements in off-site construction. This standard will not apply to HUD manufactured housing.

ISEA (International Safety Equipment Association)

1901 North Moore Street, Suite 808, Arlington, VA 22209 www.safetysafetyequipment.org

Contact: Cristine Fargo; cfargo@safetysafetyequipment.org

New Standard

BSR/ISEA 212-202x, Occupational Source Control Face Coverings (new standard)

Stakeholders: Occupational health and safety experts; specific occupational segments including (but not limited to): retail, warehousing, service sector and general office environments; product and component manufacturers; and testing labs.

Project Need: No US standard exists for widely used product.

Scope: This standard establishes minimum design, performance, and labeling requirements for face coverings used in occupational settings to help reduce spread of respiratory secretion by the wearer of the product.

NEMA (ASC C29) (National Electrical Manufacturers Association)

13 North 17th Street, Suite 900, Rosslyn, VA 22209 www.nema.org

Contact: Paul Orr; pau_orr@nema.org

Revision

BSR/NEMA C29.3-202x, Standard for Wet Process Porcelain Insulators - Spool Type (revision of ANSI/NEMA C29.3-2015)

Stakeholders: Electrical utilities, manufacturers of insulators.

Project Need: Routine 5-year review and revision.

Scope: This standard covers spool-type insulators made of wet-process porcelain and used in the transmission and distribution of electric energy.

NEMA (ASC C29) (National Electrical Manufacturers Association)

13 North 17th Street, Suite 900, Rosslyn, VA 22209 www.nema.org

Contact: Paul Orr; pau_orr@nema.org

Revision

BSR/NEMA C29.4-202x, Standard for Wet Process Porcelain Insulators - Strain Type (revision of ANSI/NEMA C29.4-2015)

Stakeholders: Electrical utilities, manufacturers of insulators.

Project Need: Routine 5-year review and revision.

Scope: This standard covers strain-type insulators made of wet-process porcelain and used in the transmission and distribution of electric energy.

NEMA (ASC C29) (National Electrical Manufacturers Association)

13 North 17th Street, Suite 900, Rosslyn, VA 22209 www.nema.org

Contact: Paul Orr; pau_orr@nema.org

Revision

BSR/NEMA C29.5-202x, Standard for Wet-Process Porcelain Insulators - Low- and Medium-Voltage Types (revision of ANSI/NEMA C29.5-2015)

Stakeholders: Manufacturers of electric power insulators, electric utilities.

Project Need: Routine 5-year review and revision.

Scope: This standard covers low- and medium-voltage-type insulators made of wet-process porcelain and used in the transmission and distribution of electric energy.

NEMA (ASC C29) (National Electrical Manufacturers Association)

13 North 17th Street, Suite 900, Rosslyn, VA 22209 www.nema.org

Contact: Paul Orr; pau_orr@nema.org

Revision

BSR/NEMA C29.6-202x, Standard for Wet-Process Porcelain Insulators - High-Voltage Pin-Type (revision of ANSI/NEMA C29.6-2015)

Stakeholders: Utilities, manufacturers of electric power insulators.

Project Need: Routine 5-year review and revision.

Scope: This standard covers high-voltage pin-type insulators made of wet-process porcelain and used in the transmission and distribution of electrical energy.

NEMA (ASC C29) (National Electrical Manufacturers Association)

13 North 17th Street, Suite 900, Rosslyn, VA 22209 www.nema.org

Contact: Paul Orr; pau_orr@nema.org

Revision

BSR/NEMA C29.7-202x, Standard for Wet-Process Porcelain Insulators - High-Voltage Line Post-Type (revision of ANSI/NEMA C29.7-2015)

Stakeholders: Manufacturers of electrical power insulators, electrical utilities.

Project Need: Routine 5-year review and revision.

Scope: This standard covers high-voltage line post-type insulators made of wet-process porcelain and used in the transmission and distribution of electrical energy.

NEMA (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900, Rosslyn, VA 22209 www.nema.org

Contact: Andrei Moldoveanu; and_moldoveanu@nema.org

New Standard

BSR/NEMA ESM1-2-202x, Electrical Submeter Active Energy Accuracy (new standard)

Stakeholders: Weights and Measures departments, testing laboratories, multi-tenant building owners, regulators, electrical submeter manufacturers.

Project Need: A base for metrological certification of electrical submeters.

Scope: The requirements of this Standard cover metrological requirements and associated testing for AC meters and meter systems rated at not more than 1000 V that measure active energy used in electrical energy submetering applications.

NETA (InterNational Electrical Testing Association)

3050 Old Centre, Suite 101, Portage, MI 49024 www.netaworld.org

Contact: Richard Piet; rpier@netaworld.org

Revision

BSR/NETA ETT-202x, NETA Standard for Certification of Electrical Testing Technicians for Electrical Power Equipment and Systems (revision of ANSI/NETA ETT-2018)

Stakeholders: Electrical testing technicians; electrical testing firms; federal, state, and municipal electrical inspectors.

Project Need: Update Standard to reflect current industry information.

Scope: Establishes minimum requirements for qualification and certification of the electrical testing technician. Also details the minimum training and experience requirements for electrical testing technicians and provides criteria for documenting qualifications and certification. Also outlines the minimum qualifications for an independent and impartial certifying body to certify electrical testing technicians.

SCTE (Society of Cable Telecommunications Engineers)

140 Philips Rd, Exton, PA 19341 www.scte.org

Contact: Kim Cooney; kcooney@scte.org

New Standard

BSR/SCTE EMS 040-202x, Optimum Load Shaping for Electric Vehicle and Battery Charging (new standard)

Stakeholders: Cable Telecommunications industry.

Project Need: Create new standard.

Scope: This project will result in the development of a new ANSI/SCTE standard that defines in simplistic terms how to create, transmit, and act upon forecast optimum load shapes (OLSs) for monetizing the cable industry's future fleet of electric vehicles (EVs) and facility batteries. A new standard is needed because existing siloed standards do not provide the critically needed end-to-end, generation to load control of the electric power grid. An OLS provides grid control and consists of a set of numbers (e.g., target load for hours 1-24) that forecasts the most efficient electrical supply in grids, microgrids, and nanogrids, so that all stakeholders: generation entities, utilities, distributors, retailers, and consumers—can reduce their electricity costs and carbon emissions. An OLS standard can accelerate—adoption, monetization, and societal benefits of microgrids, EVs, and batteries.

Call for Comment on Standards Proposals

American National Standards

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. e-mail: psa@ansi.org

* Standard for consumer products

Comment Deadline: November 15, 2020

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

1791 Tullie Circle NE, Atlanta, GA 30329 p: (678) 539-2114 w: www.ashrae.org

Addenda

BSR/ASHRAE/ASHE Addendum b to BSR/ASHRAE/ASHE Standard 189.3-202x, Design, Construction, and Operation of Sustainable High-Performance Health Care Facilities (addenda to ANSI/ASHRAE/ASHE Standard 189.3-2017)

This ISC includes changes to Table 7.5.1 based on public review feedback. Additional building types have been added to align with Table 7.4.1.1 building types, as well as updating the Building Performance Factor for all building types to coordinate with ANSI/ASHRAE/IES Standard 90.1-2019.

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

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

IICRC (The Institute of Inspection, Cleaning and Restoration Certification)

4043 South Eastern Avenue, Las Vegas, NV 89119 p: (702) 430-9829 w: www.thecleantrust.org

New Standard

BSR/IICRC S220-202x, Standard for Professional Inspection of Hard Surface Floor Coverings (new standard)

This standard describes the non-destructive procedures, methods, and systems for professional inspectors to follow when inspecting light commercial and residential hard surface floor coverings; including stone, laminate, pre-finished wood, ceramic, and resilient.

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

Send comments (with optional copy to psa@ansi.org) to: <https://www.iicrc.org/page/SBSRIICRCS220>

Comment Deadline: November 15, 2020

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 p: (734) 827-3813 w: www.nsf.org

Addenda

BSR/BIFMA e3-202x (i24r1), BIFMA e3-2019 Addendum: Furniture Sustainability Standard (addenda to ANSI/BIFMA e3-2019)

This sustainability standard is applicable to all business and institutional furniture; this includes but is not limited to moveable walls, systems furniture, desking systems, casegoods, tables, seating, and accessories. The Standard is also applicable to materials and components manufactured by suppliers to furniture manufacturers.

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

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

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 p: (734) 418-6660 w: www.nsf.org

Reaffirmation

BSR/NSF 40-2019 (i38r1) (R202x), Residential Wastewater Treatment Systems (reaffirmation of ANSI/NSF 40-2019 (i34r1))

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

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

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

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 p: (734) 827-3817 w: www.nsf.org

Revision

BSR/NSF 18-202x (i18r1), Manual Food and Beverage Dispensing Equipment (revision of ANSI/NSF 18-2016)

This Standard contains requirements for equipment and devices that manually dispense food or beverages, in bulk or in portions. The materials, design, and construction requirements of this Standard may also be applied to an item that is manufactured as a component of food and beverage dispensing equipment. This Standard does not apply to vending machines, dispensing freezers, or bulk milk dispensing equipment covered by the scope of other NSF Standards.

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

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

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 p: (734) 418-6660 w: www.nsf.org

Revision

BSR/NSF 40-202x (i37r1), Residential Wastewater Treatment Systems (revision of ANSI/NSF 40-2019)

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

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

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

Comment Deadline: November 15, 2020

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 p: (734) 418-6660 w: www.nsf.org

Revision

BSR/NSF 41-202x (i10r1), Non-liquid Saturated Treatment Systems (revision of ANSI/NSF 41-2019)

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

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

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

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 p: (734) 418-6660 w: www.nsf.org

Revision

BSR/NSF 46-202x (i36r1), Evaluation of Components and Devices Used in Wastewater Treatment Systems (revision of ANSI/NSF 46-2018)

This wastewater standard is intended for use with components and devices not covered by other NSF wastewater standards. Components and devices covered by this Standard are intended for use with greywater or blackwater or both. Management methods for the end-products of these components and devices are not addressed in this Standard. This Standard shall in no way restrict new system designs, provided that such designs meet the minimum specifications described.

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

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

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 p: (734) 418-6660 w: www.nsf.org

Revision

BSR/NSF 245-202x (i20r1), Residential Wastewater Treatment Systems - Nitrogen Reduction (revision of ANSI/NSF 245-2019)

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

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

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

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 p: (734) 418-6660 w: www.nsf.org

Revision

BSR/NSF 350-202x (i57r1), Onsite Residential and Commercial Water Reuse Treatment Systems (revision of ANSI/NSF 350-2019)

This Standard contains minimum requirements for onsite residential and commercial greywater treatment systems. Systems may include Greywater reuse treatment systems having a rated treatment capacity up to 5,678 L/d (1,500 gal/d); or Commercial greywater reuse treatment systems: This applies to onsite commercial reuse treatment systems that treat combined commercial facility greywater 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 greywater residential and commercial treatment systems meeting this Standard are limited to subsurface discharge to the environment only.

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

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

Comment Deadline: November 15, 2020

UL (Underwriters Laboratories)

171 Nepean Street, Suite 400, Ottawa, ON K2P 0B4 Canada p: (613) 368-4419 w: <https://ul.org/>

Revision

BSR/UL 444-202X, Standard for Safety for Communications Cables (revision of ANSI/UL 444-2018)

(1) Introduction of optional suffixes HF, LSH, and ST1; (2) Use of an additional 14 AWG conductor in a multi-conductor communications cable; (3) Criteria for FT6 flame test classification.

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

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

UL (Underwriters Laboratories)

12 Laboratory Drive, P.O. Box 13995, Research Triangle Park, NC 27709-3995 p: (919) 549-1391 w: <https://ul.org/>

Revision

BSR/UL 541-202x, Standard for Safety for Refrigerated Vending Machines (revision of ANSI/UL 541-2018)

(1) Proposed revision to installation instructions for vending machines having flammable refrigerant.

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

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

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 p: (919) 549-1007 w: <https://ul.org/>

Revision

BSR/UL 588-202X, Standard for Safety for Seasonal and Holiday Decorative Products (revision of ANSI/UL 588-2018)

This proposal clarifies Section 18, Class 2 Circuit Drivers.

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

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

UL (Underwriters Laboratories)

47173 Benicia Street, Fremont, CA 94538 p: (510) 319-4271 w: <https://ul.org/>

Revision

BSR/UL 746A-202x, Standard for Safety for Polymeric Materials - Short Term Property Evaluations (revision of ANSI/UL 746A-2020)

This project covers the test program for Metallic Pigment in Polymer Variation in Table 9.1.

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

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

Comment Deadline: November 30, 2020

AAFS (American Academy of Forensic Sciences)

410 North 21st Street, Colorado Springs, CO 80904 p: (719) 453-1036 w: www.aafs.org

New Standard

BSR/ASB Std 027-202x, Standard for Training and Certification of Canine Detection of Humans: Patrol Canine Team (new standard)

To provide standards for the training, certification, and documentation pertaining to canine teams (canine and handler) trained to search for specific person(s), location(s), and/or article(s) by starting from the last known position. This pertains to trails less than 24 hours old. NOTE: Please note that comments on a re-circulation will only be accepted on revised sections of a document. Comments made to text not revised from the original public comment period will not be accepted.

Single copy price: Free

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

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

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

ASABE (American Society of Agricultural and Biological Engineers)

2950 Niles Road, Saint Joseph, MI 49085 p: (269) 932-7015 w: <https://www.asabe.org/>

Reaffirmation

BSR/ASABE S276.8-APR2016 (R202x), Slow-Moving Vehicle Identification Emblem (SMV Emblem) (reaffirmation of ANSI/ASABE S276.8-2016)

This Standard establishes specifications that define a unique identification SMV to be used only for slow-moving machines (vehicles), when operated or traveling on public roads. The requirements and applications of the standard are defined in the standard. The purpose is to communicate to third parties the slower speed capabilities of the slow-moving vehicle to other vehicle(s) using public roads. The primary application of this SMV emblem will be with implements of husbandry but may be used with other machines or vehicles that travel at speeds less than 40 km/h (25 mile/h) and in combination with a Speed Information Symbol (SIS) on vehicles which travel at speeds between 40 km/h (25 mile/h) and 65 km/h (40 mile/h).

Single copy price: \$48.00 (ASABE Members); \$68.00 (Non-members)

Obtain an electronic copy from: vangilder@asabe.org

Order from: Carla VanGilder; vangilder@asabe.org

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

ASABE (American Society of Agricultural and Biological Engineers)

2950 Niles Road, Saint Joseph, MI 49085 p: (269) 932-7015 w: <https://www.asabe.org/>

Reaffirmation

BSR/ASABE S600-2011 (R202x), Manually Handled Collapsible Reusable Plastic Containers for Handling of Fruits and Vegetables (reaffirmation of ANSI/ASABE S600-2011 (R2016))

This standard provides uniform design and performance specifications for a manually handled collapsible reusable plastic container for handling fresh horticultural produce during postharvest processing, storage, and transportation.

Single copy price: \$48.00 (ASABE Members); \$68.00 (Non-members)

Obtain an electronic copy from: vangilder@asabe.org

Order from: Carla VanGilder; vangilder@asabe.org

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

Comment Deadline: November 30, 2020

ASABE (American Society of Agricultural and Biological Engineers)

2950 Niles Road, Saint Joseph, MI 49085 p: (269) 932-7015 w: <https://www.asabe.org/>

Reaffirmation

BSR/ASABE/ISO 3776-2-FEB2016 (R202x), Tractors and machinery for agriculture - Seat belts - Part 2: Anchorage strength requirements (reaffirmation of ANSI/ASABE/ISO 3776-2-2016)

Specifies the strength requirements of the anchorages for pelvic restraint (seat) belts intended to be used by the operators of agricultural tractors and self-propelled machinery.

Single copy price: \$48.00 (ASABE Members); \$68.00 (Non-members)

Obtain an electronic copy from: vangilder@asabe.org

Order from: Carla VanGilder; vangilder@asabe.org

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

ASABE (American Society of Agricultural and Biological Engineers)

2950 Niles Road, Saint Joseph, MI 49085 p: (269) 932-7015 w: <https://www.asabe.org/>

Reaffirmation

BSR/ASABE/ISO 5007:2003 MAY2006 (R202x), Agricultural wheeled tractors - Operators seat - Laboratory measurement of transmitted vibration (reaffirmation of ANSI/ASABE/ISO 5007:2003 MAY2006 (R2016))

This Standard specifies, in accordance with ISO 10326-1, a laboratory method for measuring and evaluating the effectiveness of the suspension of operator seats on agricultural wheeled tractors. It also specifies acceptance criteria based on the test results, while defining the input spectral classes relating to three classes of agricultural tractor with rubber tyres, unsprung rear axles and no low-frequency cab isolation—those of up to 3600 kg (class 1), those of from 3600 kg to 6500 kg (class 2), and those of over 6500 kg (class 3)—each of which defines a group of machines having similar vibration characteristics.

Single copy price: \$48.00 (ASABE Members); \$68.00 (Non-members)

Obtain an electronic copy from: vangilder@asabe.org

Order from: Carla VanGilder; vangilder@asabe.org

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

ASABE (American Society of Agricultural and Biological Engineers)

2950 Niles Road, Saint Joseph, MI 49085 p: (269) 932-7015 w: <https://www.asabe.org/>

Reaffirmation

BSR/ASABE/ISO 5008-2002 W/Cor. 1 MAY2006 (R202x), Agricultural wheeled tractors and field machinery - Measurement of whole-body vibration of the operator (reaffirmation of ANSI/ASABE/ISO 5008-2002 W/Cor. 1 MAY2006 (R2015))

This standard specifies: (1) methods for measuring and reporting the whole body vibration to which the operator of an agricultural wheeled tractor or other field machine is exposed when operating on a standard test track; (2) the operating conditions of the machine and the ordinates of the artificial test tracks are also included; (3) applies when measurements are made on the artificial test tracks defined in this standard; and (4) measurements made under field conditions are covered in annex A. This International Standard does not include assessment of vibration reaching the operator other than through his/her seat or foot platform (e.g., vibration that is sensed by the feet through the controls or by the hands through the steering wheel is not considered).

Single copy price: \$48.00 (ASABE Members); \$68.00 (Non-members)

Obtain an electronic copy from: vangilder@asabe.org

Order from: Carla VanGilder; vangilder@asabe.org

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

Comment Deadline: November 30, 2020

ASABE (American Society of Agricultural and Biological Engineers)

2950 Niles Road, Saint Joseph, MI 49085 p: (269) 932-7015 w: <https://www.asabe.org/>

Reaffirmation

BSR/ASAE S483.2 AUG2011 (R202x), Rotary Mower Blade Ductility Test (reaffirmation of ANSI/ASAE S483.2 AUG2011 (R2016))

The purpose of this Standard is to identify production blade lots, from which samples were subjected to destructive testing.

Single copy price: \$48.00 (ASABE Members); \$68.00 (Non-members)

Obtain an electronic copy from: vangilder@asabe.org

Order from: Carla VanGilder; vangilder@asabe.org

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

ASABE (American Society of Agricultural and Biological Engineers)

2950 Niles Road, Saint Joseph, MI 49085 p: (269) 932-7015 w: <https://www.asabe.org/>

Revision

BSR/ASAE S396.3 JUN2016 (R202x), Combine Capacity and Performance Test Procedure (revision and redesignation of ANSI/ASAE S396.3-JUN2016)

This Standard is intended to provide the basic requirements for a uniform procedure for measuring and reporting combine capacity, as defined in American National Standard ANSI/ASAE S343, Terminology for Combines and Grain Harvesting. Because crop conditions are variable and uncontrollable, the procedure provides only for the comparative testing of one combine, or one combine configuration, relative to another, in a particular crop condition. This Standard is also intended to provide the basic requirements for evaluating the uniformity of material spread from harvest residue spreading or chopping device(s). Harvest residue spreaders may be evaluated for spreading either straw or chaff separately or as a system for spreading both together.

Single copy price: \$48.00 (ASABE Members); \$68.00 (Non-members)

Obtain an electronic copy from: vangilder@asabe.org

Order from: Carla VanGilder; vangilder@asabe.org

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

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

1791 Tullie Circle, NE, Atlanta, GA 30329 p: (404) 636-8400 w: www.ashrae.org

Revision

BSR/ASHRAE Standard 105-202x, Standard Methods for Determining, Expressing, and Comparing Building Energy Performance and Greenhouse Gas Emissions (revision of ANSI/ASHRAE Standard 105-2014)

This revision of Standard 105 provides consistent methods for determining, expressing, and comparing the energy performance of and the greenhouse gas emissions associated with the design of new buildings and improvements to, or changes in, the operation of existing buildings.

Single copy price: \$35.00

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

Order from: standards.section@ashrae.org

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

AWS (American Welding Society)

8669 NW 36th Street, Suite 130, Miami, FL 33166-6672 p: (305) 443-9353 310 w: www.aws.org

New Standard

BSR/AWS C6.3M/C6.3-202x, Recommended Practice for Friction Stir Welding (new standard)

This Standard provides recommended practices intended to be applicable to all industries for friction stir welding of aluminum and magnesium alloys and addresses design considerations, fabrication, and quality assurance.

Single copy price: \$33.00

Obtain an electronic copy from: mdiaz@aws.org

Order from: Mario Diaz; mdiaz@aws.org

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

Comment Deadline: November 30, 2020

AWWA (American Water Works Association)

6666 W. Quincy Ave., Denver, CO 80235 p: (303) 347-6178 w: www.awwa.org

Revision

BSR/AWWA J100-202x, Risk and Resilience Management of Water and Wastewater Systems (revision of ANSI/AWWA J100-2010 (R2013))

The purpose of this standard is to enable water and wastewater utility owners and operators to make sound decisions when allocating limited resources to reducing risk and improving resilience. This standard sets the requirements for all-hazards risk and resilience analysis and management for the water sector.

Single copy price: Free

Obtain an electronic copy from: ETSsupport@awwa.org

Order from: AWWA, Attn: Vicki David; vdavid@awwa.org

Send comments (with optional copy to psa@ansi.org) to: AWWA, Attn: Paul Olson; polson@awwa.org

CTA (Consumer Technology Association)

1919 South Eads Street, Arlington, VA 22202 p: (703) 907-7697 w: www.cta.tech

New Standard

BSR/CTA 2084-202x, Test Methods for Determining A/V Products Energy Efficiency (new standard)

CTA 2084 defines methods for measuring Audio Video (A/V) products' energy efficiency and related items.

Single copy price: Free

Obtain an electronic copy from: standards@cta.tech

Order from: Veronica Lancaster (703) 907-7697 vlancaster@cta.tech

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

CTA (Consumer Technology Association)

1919 South Eads Street, Arlington, VA 22202 p: (703) 907-7697 w: www.cta.tech

New Standard

BSR/CTA 2088-202x, Baseline Cybersecurity Standard for Devices and Device Systems (new standard)

This standard will specify baseline security requirements and recommendations for devices and device systems to address the destructive potential of botnets and other security threats. Individual connected devices, or "endpoint devices," may consist of components, including hardware modules, chips, software, sensors, or other operating components. Beyond the individual device itself, this standard with elements of security for device systems includes the connected endpoint device and broader connected elements of the product, such as apps and cloud services.

Single copy price: Free

Obtain an electronic copy from: standards@cta.tech

Order from: Veronica Lancaster (703) 907-7697 vlancaster@cta.tech

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

HL7 (Health Level Seven)

3300 Washtenaw Avenue, Suite 227, Ann Arbor, MI 48104 p: (313) 550-2073 104 w: www.hl7.org

New Standard

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

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

Single copy price: Free to members and non-members

Obtain an electronic copy from: Karenvan@HL7.org

Order from: Karen Van Hentenryck (313) 550-2073 104 Karenvan@HL7.org

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

Comment Deadline: November 30, 2020

IICRC (The Institute of Inspection, Cleaning and Restoration Certification)

4043 South Eastern Avenue, Las Vegas, NV 89119 p: (702) 430-9829 w: www.thecleantrust.org

Revision

BSR/IICRC S100-202X, Standard for Professional Cleaning of Textile Floor Coverings (revision of ANSI/IICRC S100-2015)

This standard describes the procedures, methods, and systems to be followed when performing professional commercial and residential textile floor coverings (e.g., carpet and rugs) maintenance and cleaning.

Single copy price: Free

Obtain an electronic copy from: <https://www.iicrc.org/page/SANSIIICRCS100>

Send comments (with optional copy to psa@ansi.org) to: <https://www.iicrc.org/page/SANSIIICRCS100>

INMM (ASC N14) (Institute of Nuclear Materials Management)

P.O. Box 2008, MS 6495, Oak Ridge National Laboratory, Oak Ridge, TN 37831-6495 p: (209) 627-5473 w: www.inmm.org

Revision

BSR N14.7-202x, Guidance for Packaging Type A Quantities of Radioactive Materials (revision of ANSI N14.7-2013)

This standard was prepared to provide guidance to organizations responsible for implementing the performance standards used in developing packagings for transport of radioactive material limited to Type A quantities including fissile material that does not exceed the limits authorized under the general license section of the US Nuclear Regulatory Commission (10 CFR 71.22) regulation for packaging and transportation of radioactive material. This standard is also intended to assist those organizations that are responsible for the testing, evaluation, and fabrication related to Type A packages in accordance with applicable regulatory requirements.

Single copy price: \$Draft Standard is free of charge

Obtain an electronic copy from: N14secretary@gmail.com

Order from: Ronald Natali (209) 627-5473 N14secretary@gmail.com

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

INMM (ASC N15) (Institute of Nuclear Materials Management)

9800 S. Cass Avenue, Argonne, IL 60439 p: (630) 427-7126 w: www.inmm.org

Revision

BSR N15.36-202x, Standard for Methods of Nuclear Material Control - Measurement Control Program - Nondestructive Assay (revision of ANSI N15.36-2010)

ANSI N15.36-2010, Measurement Control Program, Nondestructive Assay Measurement Control and Assurance, has been revised during the periodic 5-year review to update definitions and provide greater detail on topics such as a measurement control program for nondestructive assay of nuclear material, review of measured results, method validation, system response variability, and background measurements. There is no intention to submit the standard for consideration as an ISO, IEC, or ISO/IEC JTC-1 standard.

Single copy price: Free

Obtain an electronic copy from: b.srinivasan@science.doe.gov

Send comments (with optional copy to psa@ansi.org) to: b.srinivasan@science.doe.gov

NEMA (ASC C50) (National Electrical Manufacturers Association)

1300 N 17th St, Suite 900, Rosslyn, VA 22209 p: (703) 841-3264 w: www.nema.org

Reaffirmation

BSR C50.41-2012 (R202x), Polyphase Induction Motors for Power Generating Stations (reaffirmation of ANSI C50.41-2012)

The requirements in this standard apply to polyphase induction motors intended for use in power generating stations, including the following: (a) Frame size larger than NEMA 440 series; (b) Squirrel-cage type; (c) Single-speed or multispeed; (d) Horizontal or vertical construction; and (e) Form wound.

Single copy price: \$82.00

Order from: www.techstreet.com

Send comments (with optional copy to psa@ansi.org) to: mike.leibowitz@nema.org

Comment Deadline: November 30, 2020

NEMA (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900, Rosslyn, VA 22209 p: (703) 841 3290 w: www.nema.org

New Standard

BSR/NEMA ESM1-1-202x, Electrical Submeter - General Requirements (new standard)

The requirements of this Standard cover metrological requirements and associated testing for electrical energy submeters. The Standard applies to stand-alone meters with Standard inputs or metering systems comprising meters and associated sensors. These meters provide details of energy use for energy monitoring or revenue submetering. The Standard does not apply to primary utility-owned meters. The Standard includes AC and DC kilowatt-hour meters, demand meters, load survey meters, and power quality meters, single and four-quadrant meters, etc. The Standard applies to indoor and outdoor applications and covers portable, permanently installed, and embedded meters. The Standard covers AC meters rated at not more than 1000 V that measure active energy, apparent energy, reactive energy (capacitive, inductive and/or total) including received, delivered, and/or net and also those measuring current, voltage, active power, apparent power, reactive power (capacitive, inductive and/or total), power factor, phase angle, polarity, and frequency when measured in addition to energy. The Standard also applies to DC meters rated not more than 1500 V that measure energy received, delivered, and/or net and also those that include additional measurement of power, current, and voltage. (a) ESM1-1 General Requirements; (b) ESM1-2 AC Active Energy Accuracy; (c) ESM1-3 Revenue Submetering Requirements; (d) ESM1-4 Additional Measurements Accuracy; (e) ESM1-5 DC Energy Accuracy; (f) ESM1-6 Power Quality Measurements and Accuracy; (g) ESM1-7 Current Sensor Accuracy; (h) ESM1-8 Demand Metering; and (i) ESM1-9 Field Testing.

Single copy price: \$Draft standard free of charge

Obtain an electronic copy from: and_moldoveanu@nema.org

Order from: Andrei Moldoveanu (703) 841 3290 and_moldoveanu@nema.org

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

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

2025 M Street NW, Suite 800, Washington, DC 20036 p: (312) 321-6826 w: www.resna.org

Revision

BSR/RESNA IF-1-202x, RESNA Standard for Inclusive Fitness - Volume 1: RESNA Standard for Inclusive Fitness Environments (revision of ANSI/RESNA IF-1-2018)

This standard discloses available inclusive fitness information, standards, and policies that facilitate accessible fitness environments for people of all abilities, including facility layout, equipment, staff, trainers, programming, and outreach and marketing. This standard establishes additional requirements to address current gaps in the inclusive fitness environment. This standard will specify objective information to be disclosed in order to identify fitness facilities and fitness equipment in mainstream, public facilities that meet access requirements for people with impairments and/or disabilities.

Single copy price: \$75.00

Obtain an electronic copy from: bkelsey@resna.org

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

SCTE (Society of Cable Telecommunications Engineers)

140 Philips Rd, Exton, PA 19341 p: (800) 542-5040 w: www.scte.org

Revision

BSR/SCTE 212-202x, Cable Operator Energy Audit Framework and Establishment of Energy Baseline (revision of ANSI/SCTE 212-2015)

This document defines how cable operators should audit power consumption and accurately establish an energy baseline for inside and outside plant excluding any customer-powered equipment.

Single copy price: \$50.00

Obtain an electronic copy from: admin@standards.scte.org

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

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

Comment Deadline: November 30, 2020

SCTE (Society of Cable Telecommunications Engineers)

140 Philips Rd, Exton, PA 19341 p: (800) 542-5040 w: www.scte.org

Revision

BSR/SCTE 224-202x, Event Scheduling and Notification Interface (ESNI) (revision of ANSI/SCTE 224-2018)

This document defines the Event Scheduling and Notification Interface (ESNI), which is a web interface facilitating the transmission of event and policy information. ESNI provides a functional method for providers to communicate upcoming schedule or signal-based events and corresponding policy to distributors. This interface allows existing content distribution controls traditionally performed via manual control in IRDs by providers to be replaced with a programmatic interface (this standard). ESNI policy enables control of content distributed to audiences based on attributes of that audience including (but not limited to) geographic location and device type.

Single copy price: \$50.00

Obtain an electronic copy from: admin@standards.scte.org

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

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

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 p: (919) 549-1053 w: <https://ul.org/>

Revision

BSR/UL 224-202x, Standard for Extruded Insulating Tubing (revision of ANSI/UL 224-2010 (R2016))

(1) Publish an updated new edition which includes references.

Single copy price: Free

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

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

Send comments (with optional copy to psa@ansi.org) to: Joshua Johnson, Joshua.Johnson@ul.org

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 p: (919) 549-0954 w: <https://ul.org/>

Revision

BSR/UL 1598-202x, Standard for Safety for Luminaires (revision of ANSI/UL 1598-2018)

The following changes in requirements are being proposed: Dielectric Voltage Withstand Test; Amend Section 12.2, Air-handling luminaires, to add UL 2043 as an alternate test method for nonmetallic materials located in the air path or plenum and add subsection for Other Spaces; Add requirements for luminaires having a light-emitting plasma light source; Use of detachable cord sets in luminaires; Alignment of risk of fire definition with UL 8750, Recessed housings for non-fire-rated installations; Supplementary requirements for LED Luminaires using Class P LED Drivers; SPT-3 flexible cords; Luminaires suitable for use in clothes closet storage spaces; Type IC recessed luminaires intended for installation in contact with low-density and medium-density polyurethane foam thermal insulation; Clarifying clause 5.7.1.3, Light-Emitting Plasma (LEP) Luminaires & Branch Circuit Disconnects.

Single copy price: Free

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

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

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

Comment Deadline: November 30, 2020

VITA (VMEbus International Trade Association (VITA))

929 W. Portobello Avenue, Mesa, AZ 85210 p: (602) 281-4497 w: www.vita.com

Revision

BSR/VITA 67.3-202x, Coaxial Interconnect on VPX, Spring-Loaded Contact on Backplane (revision of ANSI/VITA 67.3-2017)

This document describes an open standard for configuration and interconnect within the structure of VITA 67.0 enabling an interface compatible with VITA 46 containing multi-position blind-mate analog connectors with SMPM style contacts having fixed contacts on the Plug-In Module and spring action on the backplane. This revision adds higher density and alternate interfaces while maintaining the VITA 67.3 standard backplane cutouts and positions.

Single copy price: \$25.00

Obtain an electronic copy from: admin@vita.com

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

Comment Deadline: December 15, 2020

ASME (American Society of Mechanical Engineers)

Two Park Avenue, M/S 6-2B, New York, NY 10016-5990 p: (212) 591-8489 w: www.asme.org

New Standard

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

BSR/ASME/ANS RA-S-1.4-202x, Probabilistic Risk Assessment Standard for Advanced Non-Light Water Reactor Nuclear Power Plants (new standard)

Requirements for probabilistic risk assessments (PRAs) used to support risk-informed decisions for advanced non-light-water reactor (non-LWR) nuclear power plants (NPPs) and prescribes a method for applying these requirements for specific applications.

Single copy price: Free

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

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

Send comments (with optional copy to psa@ansi.org) to: Oliver Martinez; martinezo@asme.org

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 p: (919) 549-0922 w: <https://ul.org/>

Revision

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

BSR/UL 746F-202x, Standard for Safety for Polymeric Materials - Flexible Dielectric Film Materials for Use in Printed-Wiring Boards and Flexible Materials Interconnect Constructions (revision of ANSI/UL 746F-2016)

This proposal for UL 746F covers: (1) Addition of requirement for sample stabilization period; (2) Establish standardized assembly soldering process profiles; (3) Addition of sample thickness measurement and update standard references for 8.1.4A; (4) Relocate Flammability Precondition (Clause 4.3) to Flammability (Section 11); (5) Addition of new term "Cladding"; (6) Update term "Unsupported Bonding Film Definition"; (7) Clarification of dissimilar material evaluation; (8) Addition of Bond Strength Force Determination Alternate Method; (9) Addition of the Test Method for Microsection Analysis, new Section 11A, based on the IPC method; (10) Update the cover material terms; (11) Correct clause references and numbering in Section 8.1; (12) Update the Direct Support table wording; (13) Editorial updates; and (14) Align Relative Humidity Percentages with UL 796.

Single copy price: Free

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

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

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

Comment Deadline: December 15, 2020

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 p: (919) 549-0922 w: <https://ul.org/>

Revision

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

BSR/UL 796F-202X, Standard for Safety for Flexible Materials - Interconnect Constructions (revision of ANSI/UL 796F-2016)

This proposal for UL 796F covers: (1) Clarify the term "Cladding"; (2) Clarify the term "Type"; (3) Clarify references in Sections 2.5 and 2.9 regarding base materials; (4) Clarify stiffener adhesive requirements; (5) Clarify rigid-flex multilayer sample construction requirements; (6) Revision to the stabilization period requirements; (7) Addition of references to tests using the oven conditioning in 5.1.5.4; (8) Addition of Alternate Bond Strength Force Determination Method; (9) Revision to the dissimilar dielectric materials thermal cycling test procedure; (10) Revision to cover materials example in Figure 2.5.1; (11) Clarification of requirements for solder limit evaluation for base films and FMICs; (12) Clarify the polyimide ANSI-like flammability program in Section 2.1.14; (13) Align terms "Printed Board," "Printed Circuit Board," and "Printed Wiring Board with Industry Use"; (14) Clarify reference to conductor test pattern in Section 2.3; (15) Clarify dissimilar material evaluation for rigid flex constructions; (16) Editorial updates; (17) Align relative humidity percentages with UL 796; (18) Clarification and renumbering of multilayer mass laminate constructions; (19) Clarification of production board testing; (20) Revision to microsection analysis based on IPC test method; (21) Clarify the Direct Support requirements in Section 6.9; and (22) Clarification of "Flammability" in Section 5.15.

Single copy price: Free

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

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

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

UL (Underwriters Laboratories)

333 Pflugstein Road, Northbrook, IL 60062-2096 p: (847) 664-2023 w: <https://ul.org/>

Revision

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

BSR/UL 2158-202x, Standard for Safety for Electric Clothes Dryers (revision of ANSI/UL 2158-2019)

This proposal for UL 2158 covers: (1) Proposed sixth edition of the Standard for Electric Clothes Dryers.

Single copy price: Free

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

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

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

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.

AHRI (Air-Conditioning, Heating, and Refrigeration Institute)

2311 Wilson Boulevard, Suite 400, Arlington, VA 22201-3001 p: (703) 293-4887 w: www.ahrinet.org

Reaffirmation

ANSI/AHRI Standard 900 (I-P)-2015 (R2020), Performance Rating of Thermal Storage Equipment Used for Cooling (reaffirmation of ANSI/AHRI Standard 900 (I-P)-2015): 9/24/2020

AHRI (Air-Conditioning, Heating, and Refrigeration Institute)

2311 Wilson Boulevard, Suite 400, Arlington, VA 22201-3001 p: (703) 293-4887 w: www.ahrinet.org

Reaffirmation

ANSI/AHRI Standard 900 (I-P)-2015 (R2020), Performance Rating of Thermal Storage Equipment Used for Cooling (reaffirmation of ANSI/AHRI Standard 900 (I-P)-2015): 9/24/2020

AHRI (Air-Conditioning, Heating, and Refrigeration Institute)

2311 Wilson Boulevard, Suite 400, Arlington, VA 22201-3001 p: (703) 293-4887 w: www.ahrinet.org

Reaffirmation

ANSI/AHRI Standard 901 (SI)-2015 (R2020), Performance Rating of Thermal Storage Equipment Used for Cooling (reaffirmation of ANSI/AHRI Standard 901 (SI)-2015): 9/24/2020

API (American Petroleum Institute)

200 Massachusetts Avenue NW, Washington, DC 20001 p: (202) 682-8286 w: www.api.org

Reaffirmation

ANSI/API RP 13M-4/ISO 13503-4-2006 (R2020), API Recommended Practice for Measuring Stimulation and Gravel-pack Fluid Leakoff Under Static Conditions, 1st Edition (reaffirmation of ANSI/API RP 13M/ISO 13503-4-2006): 9/22/2020

API (American Petroleum Institute)

200 Massachusetts Avenue NW, Washington, DC 20001 p: (202) 682-8286 w: www.api.org

Reaffirmation

ANSI/API RP 13I/ISO 10416-2008 (R2020), Recommended Practice for Laboratory Testing of Drilling Fluids (reaffirmation of ANSI/API RP 13I/ISO 10416-2008): 9/22/2020

API (American Petroleum Institute)

200 Massachusetts Avenue NW, Washington, DC 20001 p: (202) 682-8286 w: www.api.org

Reaffirmation

ANSI/API RP 19D/ISO 13503-5-2007 (R2020), Measuring the Long-Term Conductivity of Proppants, 1st Edition (reaffirmation of ANSI/API RP 19D/ISO 13503-5-2007): 9/22/2020

ASME (American Society of Mechanical Engineers)

Two Park Avenue, M/S 6-2B, New York, NY 10016-5990 p: (212) 591-8489 w: www.asme.org

Revision

ANSI/ASME B31.3-2020, Process Piping (revision of ANSI/ASME B31.3-2018): 9/29/2020

*** BOMA (Building Owners and Managers Association)**

1101 15th Street, NW, Suite 800, Washington, DC 20005 p: (202) 326-6338 w: www.boma.org

Revision

ANSI/BOMA Z65.1-2017, BOMA 2017 for Office Buildings: Standard Methods of Measurement (revision of ANSI/BOMA Z65.1-2010): 9/12/2017

*** CTA (Consumer Technology Association)**

1919 South Eads Street, Arlington, VA 22202 p: (703) 907-7697 w: www.cta.tech

Revision

ANSI/CTA 2042.1-C-2020, Wireless Power Glossary Terms (revision and redesignation of ANSI/CTA 2042.1-B-2015): 9/22/2020

DSI (Dental Standards Institute, Inc.)

109 Bushaway Road, Suite 100, Wayzata, MN 55391 p: (763) 290-0004 w: <https://dentalstandardsinstitute.com/>

New Standard

ANSI/DSI MST1.1-2020, Definitions of Terms In Dental Metrics (new standard): 9/24/2020

DSI (Dental Standards Institute, Inc.)

109 Bushaway Road, Suite 100, Wayzata, MN 55391 p: (763) 290-0004 w: <https://dentalstandardsinstitute.com/>

New Standard

ANSI/DSI VRST1.1-2020, Usage of Therapeutic Virtual Reality for Anxiety Reduction In Healthcare (new standard): 9/24/2020

ECIA (Electronic Components Industry Association)

13873 Park Center Road, Suite 315, Herndon, VA 20171 p: (571) 323-0294 w: www.ecianow.org

Revision

ANSI/EIA 364-75B-2020, Lightning Strike Test Procedure for Electrical Connectors (revision and redesignation of ANSI/EIA 364-75A-2009 (R2015)): 9/28/2020

ECIA (Electronic Components Industry Association)

13873 Park Center Road, Suite 315, Herndon, VA 20171 p: (571) 323-0294 w: www.ecianow.org

Revision

ANSI/EIA 364-80A-2020, Low Frequency Shielding Effectiveness Test Procedure for Electrical Connectors and Sockets (revision and redesignation of ANSI/EIA 364-80-2015): 9/28/2020

FCI (Fluid Controls Institute)

1300 Sumner Avenue, Cleveland, OH 44115 p: (216) 241-7333 w: www.fluidcontrolsinstitute.org

New Standard

ANSI/FCI 18-2-2020, Standard for Installation of Type 1 Secondary Pressure Drainers (new standard): 9/23/2020

FCI (Fluid Controls Institute)

1300 Sumner Avenue, Cleveland, OH 44115 p: (216) 241-7333 w: www.fluidcontrolsinstitute.org

Revision

ANSI/FCI 99-1-2020, Standard for Performance Testing of Secondary Pressure Drainers (revision of ANSI/FCI 99-1-2014): 9/24/2020

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

18927 Hickory Creek Drive, Suite 220, Mokena, IL 60448 p: (708) 995-3017 w: www.asse-plumbing.org

Revision

ANSI/ASSE 1008-2020, Performance Requirements for Plumbing Aspects of Residential Food Waste Disposer Units (revision of ANSI/ASSE 1008-2019): 9/23/2020

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

700 K Street NW, Suite 600, Washington, DC 20001 p: (202) 737-8888 w: www.incits.org

New National Adoption

INCITS/ISO 19136-1:2020 [2020], Geographic Information - Geography Markup Language (GML) - Part 1: Fundamentals (identical national adoption of ISO 19136-1:2020 and revision of INCITS/ISO/IEC 19136:2007 [R2015]): 9/24/2020

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

700 K Street NW, Suite 600, Washington, DC 20001 p: (202) 737-8888 w: www.incits.org

New National Adoption

INCITS/ISO/IEC 11770-4:2017/AM 1:2019 [2020], Information technology - Security techniques - Key management - Part 4: Mechanisms based on weak secrets - Amendment 1: Unbalanced Password-Authenticated Key Agreement with Identity-Based Cryptosystems (UPAKA-IBC) (identical national adoption of ISO/IEC 11770-4:2017/Amd1:2019): 9/28/2020

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

700 K Street NW, Suite 600, Washington, DC 20001 p: (202) 737-8888 w: www.incits.org

New National Adoption

INCITS/ISO/IEC 18033-6:2019 [2020], IT Security techniques - Encryption algorithms - Part 6: Homomorphic encryption (identical national adoption of ISO/IEC 18033-6:2019): 9/28/2020

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

700 K Street NW, Suite 600, Washington, DC 20001 p: (202) 737-8888 w: www.incits.org

New National Adoption

INCITS/ISO/IEC 19086-4:2019 [2020], Cloud computing - Service level agreement (SLA) framework - Part 4: Components of security and of protection of PII (identical national adoption of ISO/IEC 19086-4:2019): 9/28/2020

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

700 K Street NW, Suite 600, Washington, DC 20001 p: (202) 737-8888 w: www.incits.org

New National Adoption

INCITS/ISO/IEC 20071-11:2019 [2020], Information Technology - User Interface Component Accessibility - Part 11: Guidance on Text Alternatives for Images (identical national adoption of ISO/IEC 20071-11:2019): 9/24/2020

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

700 K Street NW, Suite 600, Washington, DC 20001 p: (202) 737-8888 w: www.incits.org

New National Adoption

INCITS/ISO/IEC 29192-6:2019 [2020], Information technology - Lightweight cryptography - Part 6: Message authentication codes (MACs) (identical national adoption of ISO/IEC 29192-6:2019): 9/28/2020

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

700 K Street NW, Suite 600, Washington, DC 20001 p: (202) 737-8888 w: www.incits.org

New National Adoption

INCITS/ISO/IEC 29192-7:2019 [2020], Information security - Lightweight cryptography - Part 7: Broadcast authentication protocols (identical national adoption of ISO/IEC 29192-7:2019): 9/28/2020

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

700 K Street NW, Suite 600, Washington, DC 20001 p: (202) 737-8888 w: www.incits.org

New National Adoption

INCITS/ISO/IEC 29794-4:2017 [2020], Information Technology - Biometric Sample Quality - Part 4: Finger Image Data (identical national adoption of ISO/IEC 29794-4:2017): 9/24/2020

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

700 K Street NW, Suite 600, Washington, DC 20001 p: (202) 737-8888 w: www.incits.org

New National Adoption

INCITS/ISO/IEC 7810:2019 [2020], Identification Cards - Physical Characteristics (identical national adoption of ISO/IEC 7810:2019 and revision of INCITS/ISO/IEC 7810:2003 [R2018]): 9/24/2020

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

700 K Street NW, Suite 600, Washington, DC 20001 p: (202) 737-8888 w: www.incits.org

New National Adoption

INCITS/ISO/IEC 27019:2017 [2020], Information technology - Security techniques - Information security controls for the energy utility industry (identical national adoption of ISO/IEC 27019:2017): 9/28/2020

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

700 K Street NW, Suite 600, Washington, DC 20001 p: (202) 737-8888 w: www.incits.org

New National Adoption

INCITS/ISO/IEC 27102:2019 [2020], Information security management - Guidelines for cyber-insurance (identical national adoption of ISO/IEC 27102:2019): 9/28/2020

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

700 K Street NW, Suite 600, Washington, DC 20001 p: (202) 737-8888 w: www.incits.org

New Standard

INCITS 553-2020, Information Technology - Fibre Channel - Link Services - 4 (FC-LS-4) (new standard): 9/28/2020

NEMA (ASC C136) (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900, Rosslyn, VA 22209 p: (703) 841-3234 w: www.nema.org

Revision

ANSI C136.34-2020, Roadway and Area Lighting Equipment - Vandal Shields for Roadway and Area Lighting Luminaires (revision of ANSI C136.34-2014): 9/22/2020

NEMA (ASC C78) (National Electrical Manufacturers Association)

1300 N 17th St, Rosslyn, VA 22209 p: (703) 841-3262 w: www.nema.org

Stabilized Maintenance

ANSI C78.LL3-2003 (S2020), Electric Lamps - Procedures for High Intensity Discharge Lamp Sample Preparation and the Toxicity Characteristic Leaching Procedure (stabilized maintenance of ANSI C78.LL3-2003 (R2015)): 9/28/2020

NEMA (ASC C78) (National Electrical Manufacturers Association)

1300 N 17th St, Rosslyn, VA 22209 p: (703) 841-3262 w: www.nema.org

Stabilized Maintenance

ANSI C78.379-2006 (S2020), Electric Lamps - Classification of the Beam Patterns of Reflector Lamps (stabilized maintenance of ANSI C78.379-2006 (R2015)): 9/28/2020

NEMA (ASC C78) (National Electrical Manufacturers Association)

1300 N 17th St, Rosslyn, VA 22209 p: (703) 841-3262 w: www.nema.org

Stabilized Maintenance

ANSI C78.390-2006 (S2020), Electric Lamps- Method of Designation for Electric Lamps - Miniature and Sealed-Beam Incandescent Lamps (stabilized maintenance of ANSI C78.390-2006 (R2015)): 9/28/2020

NEMA (ASC C78) (National Electrical Manufacturers Association)

1300 N 17th St, Rosslyn, VA 22209 p: (703) 841-3262 w: www.nema.org

Stabilized Maintenance

ANSI C78.LL1256-2003 (S2020), Electric Lamps - Procedures for Fluorescent Lamp Sample Preparation and the Toxicity Characteristic Leaching Procedure (stabilized maintenance of ANSI C78.LL1256-2003 (R2015)): 9/28/2020

NEMA (ASC C78) (National Electrical Manufacturers Association)

1300 N 17th St, Rosslyn, VA 22209 p: (703) 841-3262 w: www.nema.org

Stabilized Maintenance

ANSI C78.1406-2004 (S2020), Electric Lamps - P28 Single-Contact Medium Prefocus Based Projection Lamps for Base-Down Operation - Dimensions (stabilized maintenance of ANSI C78.1406-2004 (R2015)): 9/28/2020

NEMA (ASC C78) (National Electrical Manufacturers Association)

1300 N 17th St, Rosslyn, VA 22209 p: (703) 841-3262 w: www.nema.org

Stabilized Maintenance

ANSI C78.1407-2004 (S2020), Electric Lamps - Condenser-Reflector, Four-Pin Prefocus-Base Projection Lamps - Dimensions (stabilized maintenance of ANSI C78.1407-2004 (R2015)): 9/28/2020

NEMA (ASC C78) (National Electrical Manufacturers Association)

1300 N 17th St, Rosslyn, VA 22209 p: (703) 841-3262 w: www.nema.org

Stabilized Maintenance

ANSI C78.1408-2004 (S2020), Electric Lamps - CBA Projection Lamp (stabilized maintenance of ANSI C78.1408-2004 (R2015)): 9/28/2020

NEMA (ASC C78) (National Electrical Manufacturers Association)

1300 N 17th St, Rosslyn, VA 22209 p: (703) 841-3262 w: www.nema.org

Stabilized Maintenance

ANSI C78.1452-2004 (S2020), Electric Lamps - Projection Lamps - Vocabulary (stabilized maintenance of ANSI C78.1452-2004 (R2015)): 9/28/2020

NEMA (ASC C78) (National Electrical Manufacturers Association)

1300 N 17th St, Rosslyn, VA 22209 p: (703) 841-3262 w: www.nema.org

Stabilized Maintenance

ANSI C78.1460-2004 (S2020), Electric Lamps - Single-Ended Tungsten-Halogen Lamps GZ9.5 Base, T6 Bulb, 36.5mm LCL, 76.2mm MOL with Proximity Reflector (stabilized maintenance of ANSI C78.1460-2004 (R2015)): 9/28/2020

NEMA (ASC C8) (National Electrical Manufacturers Association)

1300 North 17th Street, Rosslyn, VA 22209 p: (703) 841-3278 w: www.nema.org

Reaffirmation

ANSI/NEMA WC 61-1992 (R2020), Transfer Impedance Testing (reaffirmation of ANSI/NEMA WC 61-1992 (R2015)): 9/22/2020

NEMA (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900, Arlington, VA 22209 p: (703) 841-3288 w: www.nema.org

New National Adoption

ANSI/NEMA/IEC 60529-2020, Degrees of Protection Provided by Enclosures (IP Code) (identical national adoption of IEC 60529:1989/AMD2:2013/COR1:2019 and revision of ANSI/IEC 60529-2004 (R2011)): 9/23/2020

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 p: (734) 418-6660 w: www.nsf.org

Revision

ANSI/NSF 46-2020 (i34r1), Evaluation of Components and Devices Used in Wastewater Treatment Systems (revision of ANSI/NSF 46-2018): 9/20/2020

UL (Underwriters Laboratories)

333 Pfingsten Road, Northbrook, IL 60062 p: (847) 664-1292 w: <https://ul.org/>

Revision

ANSI/UL 414-2020a, Standard for Safety for Meter Sockets (revision of ANSI/UL 414-2020): 9/23/2020

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 p: (919) 549-0973 w: <https://ul.org/>

Revision

ANSI/UL 1180-2020, Standard for Fully Inflatable Recreational Personal Flotation Devices (revision of ANSI/UL 1180-2017): 9/28/2020

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 p: (919) 549-1479 w: <https://ul.org/>

Revision

ANSI/UL 2200-2020, Standard for Safety for Stationary Engine Generator Assemblies (9-20-19 and 5-1-20) (revision of ANSI/UL 2200-2015): 9/29/2020

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 p: (919) 549-1097 w: <https://ul.org/>

Revision

ANSI/UL 2416-2020, Standard for Safety for Audio/Video, Information and Communication Technology Equipment Cabinet, Enclosure and Rack Systems (revision of ANSI/UL 2416-2019): 9/28/2020

VC (ASC Z80) (The Vision Council)

225 Reinekers Lane, Alexandria, VA 22314 p: 585-387-9913 w: www.z80asc.com

Reaffirmation

ANSI Z80.29-2015 (R2020), Ophthalmics - Accommodative Intraocular Lenses (reaffirmation of ANSI Z80.29-2015): 9/28/2020

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.

ABYC (American Boat and Yacht Council)

613 Third Street, Suite 10, Annapolis, MD 21403 p: (410) 990-4460 w: www.abycinc.org

CONTACT: Sara Moulton; smoulton@abycinc.org

BSR/ABYC C-2-202x, Carbon Canisters for Marine Applications (revision of ANSI/ABYC C-2-2016)

Soliciting consensus body members who represent the following categories: Insurance/survey, Specialist Service, Consumer, Manufacturer - Boats, Trade Associations, Government.

ASABE (American Society of Agricultural and Biological Engineers)

2950 Niles Road, Saint Joseph, MI 49085 p: (269) 932-7015 w: <https://www.asabe.org/>

CONTACT: Carla VanGilder; vangilder@asabe.org

BSR/ASABE S276.8-APR2016 (R202x), Slow-Moving Vehicle Identification Emblem (SMV Emblem) (reaffirmation of ANSI/ASABE S276.8-2016)

BSR/ASABE S600-2011 (R202x), Manually Handled Collapsible Reusable Plastic Containers for Handling of Fruits and Vegetables (reaffirmation of ANSI/ASABE S600-2011 (R2016))

BSR/ASABE/ISO 3776-2-FEB2016 (R202x), Tractors and machinery for agriculture - Seat belts - Part 2: Anchorage strength requirements (reaffirmation of ANSI/ASABE/ISO 3776-2-2016)

BSR/ASABE/ISO 5007:2003 MAY2006 (R202x), Agricultural wheeled tractors - Operators seat - Laboratory measurement of transmitted vibration (reaffirmation of ANSI/ASABE/ISO 5007:2003 MAY2006 (R2016))

BSR/ASABE/ISO 5008-2002 W/Cor. 1 MAY2006 (R202x), Agricultural wheeled tractors and field machinery - Measurement of whole-body vibration of the operator (reaffirmation of ANSI/ASABE/ISO 5008-2002 W/Cor. 1 MAY2006 (R2015))

BSR/ASAE S396.3 JUN2016 (R202x), Combine Capacity and Performance Test Procedure (revision and redesignation of ANSI/ASAE S396.3-JUN2016)

BSR/ASAE S483.2 AUG2011 (R202x), Rotary Mower Blade Ductility Test (reaffirmation of ANSI/ASAE S483.2 AUG2011 (R2016))

CTA (Consumer Technology Association)

1919 South Eads Street, Arlington, VA 22202 p: (703) 907-7697 w: www.cta.tech

CONTACT: Veronica Lancaster; vlancaster@cta.tech

BSR/CTA 2084-202x, Test Methods for Determining A/V Products Energy Efficiency (new standard)

BSR/CTA 2088-202x, Baseline Cybersecurity Standard for Devices and Device Systems (new standard)

ISEA (International Safety Equipment Association)

1901 North Moore Street, Suite 808, Arlington, VA 22209 p: (703) 525-1695 w: www.safetysafetyequipment.org

CONTACT: Cristine Fargo; cfargo@safetysafetyequipment.org

BSR/ISEA 212-202x, Occupational Source Control Face Coverings (new standard)

NEMA (ASC C50) (National Electrical Manufacturers Association)

1300 N 17th St, Suite 900, Rosslyn, VA 22209 p: (703) 841-3264 w: www.nema.org

CONTACT: Michael Leibowitz; mike.leibowitz@nema.org

BSR C50.41-2012 (R202x), Polyphase Induction Motors for Power Generating Stations (reaffirmation of ANSI C50.41-2012)

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 p: (734) 827-3817 w: www.nsf.org

CONTACT: Allan Rose; arose@nsf.org

BSR/NSF 18-202x (i18r1), Manual Food and Beverage Dispensing Equipment (revision of ANSI/NSF 18-2016)

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 p: (734) 418-6660 w: www.nsf.org

CONTACT: Jason Snider; jsnider@nsf.org

BSR/NSF 40-202x (i37r1), Residential Wastewater Treatment Systems (revision of ANSI/NSF 40-2019)

BSR/NSF 40-2019 (i38r1) (R202x), Residential Wastewater Treatment Systems (reaffirmation of ANSI/NSF 40-2019 (i34r1))

BSR/NSF 41-202x (i10r1), Non-liquid Saturated Treatment Systems (revision of ANSI/NSF 41-2019)

BSR/NSF 46-202x (i36r1), Evaluation of Components and Devices Used in Wastewater Treatment Systems (revision of ANSI/NSF 46-2018)

BSR/NSF 245-202x (i20r1), Residential Wastewater Treatment Systems - Nitrogen Reduction (revision of ANSI/NSF 245-2019)

BSR/NSF 350-202x (i57r1), Onsite Residential and Commercial Water Reuse Treatment Systems (revision of ANSI/NSF 350-2019)

VITA (VMEbus International Trade Association (VITA))

929 W. Portobello Avenue, Mesa, AZ 85210 p: (602) 281-4497 w: www.vita.com

CONTACT: Jing Kwok; jing.kwok@vita.com

BSR/VITA 67.3-202x, Coaxial Interconnect on VPX, Spring-Loaded Contact on Backplane (revision of ANSI/VITA 67.3-2017)

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.

ANSI Accredited Standards Developer

CSA America (CSA America, Inc.)

Technical Committee for Performance and Installation of Fuel-burning Appliances and Related Accessories

CSA Group, an ANSI-accredited SDO, is seeking additional experts to serve on the Technical Committee for Performance and Installation of Fuel-burning Appliances and Related Accessories, Z21/83. The Z21/83 TC develops and maintains standards for fuel-burning appliances and their related accessories. We are seeking interested stakeholders who will actively participate and contribute to the development and maintenance of these important standards through CSA's accredited Standards Development Process(es).

The Technical Committee is seeking members in the following categories:

General Interest – this category shall include those who are not associated with production, distribution, or regulation of the products or services. This category may include those representing safety, trade or research organizations, professional associations and those representing academic or scientific interests with expertise in the subject area.

User or Consumer — this category shall include those who are not involved in any way in the production and/or distribution of the subject area goods and/or services, and who are predominantly representing consumer interests or end users of the subject area.

Regulatory/Code Authority — this category includes those who are involved in the enforcement of codes and laws regulating the use and installation of the subject area goods and/or services.

Research or Testing — this category includes organizations that are independent of the other categories, and provide either technical research in the subject area(s) covered by the standards, or the testing of the subject area goods and/or services.

Supplier — this category includes those who are predominantly involved in providing raw materials, and/or the distribution of the subject area goods and/or services.

Government Agency — this category includes Federal, state or municipal agencies of the government having a direct or material interest in the scope of the work of the standards' program.

What is expected?

- Strong interest and knowledge of the subject matter
- Active participation and willingness to work on a Technical Committee electronically and in-person
- Ability to represent a stakeholder category outlined above
- Ability to work in a multi-stakeholder environment, following the principles of consensus

If you are interested in participating as a new member of the CSA Technical Committee for Performance and Installation of Fuel-burning Appliances and Related Accessories, Z21/83, please submit a brief bio along with a statement outlining your interest and ability to contribute to the work to Jennifer Hess at jennifer.hess@csagroup.org. Please share this notice with any of your colleagues who might be interested in joining this CSA Technical Committee.

Call for Members (ANS Consensus Bodies)

ANSI Accredited Standards Developer

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

ANSI Accredited Standards Developer

SCTE (Society of Cable Telecommunications Engineers)

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 ANS 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 and 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.

Membership in the SCTE Standards Program is open to all directly and 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.

Call for Members (ANS Consensus Bodies)

ANSI Accredited Standards Developer

SERI (Sustainable Electronics Recycling International)

ANSI/SERI R2v3-2020, The Sustainable Electronics Reuse & Recycling (R2) Standard

The R2 Standard establishes responsible reuse and recycling (R2) practices for the management and processing of used electronics globally. By certifying to this Standard through an accredited third-party Certification Body, an R2 Facility can demonstrate that used electronic equipment is managed in an environmentally responsible manner, protective of the health and safety of workers and the public, and that all data on all devices is secure and effectively destroyed.

Sustainable Electronics Recycling International (SERI) is a non-profit organization dedicated to promoting the responsible reuse, repair, and recycling of electronic equipment. Through its independent Board of Directors and staff, SERI promotes and provides oversight of the R2 Standard and Certification process.

In addition, the SERI Board of Directors appoints an R2 Consensus Body which is a balanced stakeholder group that approves change proposals to the R2 Standard, draft revisions to the standard, and approves any formal interpretations through a consensus process. The Consensus Body is supported by another Board appointed stakeholder group, the R2 Technical Advisory Committee (TAC). The role of the TAC is to provide technical insight and other guidance to the Consensus Body to aid in the development of the R2 Standard and supporting resources.

With the recent release of the R2v3 Standard, SERI is currently looking for new members to fill open and soon expiring Consensus Body and TAC positions to aid the rollout and implementation of the Standard. Any individual that has a direct and material interest in electronics recycling and the R2 Standard can apply to be on the R2 Consensus Body and TAC. All applications will be considered, and selection of members is the sole responsibility of the SERI Board to ensure balanced representation from the following interest categories:

- × Entities Covered by the Standard – which includes any organization that can be certified to the R2 Standard
- × Customers of Entities Covered by the Standard – which includes customers of the services provided by R2 Certified electronics recyclers and refurbishers; and
- × Regulatory/Public Interest/Other Stakeholders – which includes representatives from international, national, state or local governments; and any other individual or organization that has an interest in, is materially affected by, or has special expertise regarding electronics recycling and the R2 Standard and does not fall under one of the other two interest categories.

Further information on the R2 Consensus Body, TAC and the R2 standards Development process can be found at: <https://sustainableelectronics.org/r2-standard/standards-development>

Application for the R2 Consensus Body and TAC can be submitted online through the following form: <https://www.tfaforms.com/4704417>. While applications can be submitted anytime, deadline for submission for consideration in this round of review is November 6, 2020.

ANSI Accredited Standards Developer

WMMA (ASC O1) (Wood Machinery Manufacturers of America)

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:

- o General Interest
- o Government
- o Producer
- o User

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

Provisional ANS

The following actions are in accordance with the ANSI Essential Requirements: Annex B: Procedures for the Development of a Provisional American National Standard (ANS) or a Provisional Amendment to an ANS.

Withdrawal of Provisional ANS

AAMI (Association for the Advancement of Medical Instrumentation)

AAMI HIT1000-1(PS):2018

AAMI published a Provisional Standard (PS), AAMI HIT1000-1(PS):2018, Safety and effectiveness of health IT software and systems—Part 1: Fundamental concepts, principles, and requirements on 5 October 2018. A related proposed American National Standard (ANS) is presently available for Public Review (see September 25, 2020 issue of Standards Action) and will replace this Provisional Standard.

This withdrawal is announced as a Provisional Standard, as defined in Annex B of the ANSI Essential Requirements, may only exist for up to two years. Questions? Emily Hoefer, EHoefer@aami.org

American National Standards (ANS) Process

Please visit ANSI's website (www.ansi.org) for resources that will help you to understand, administer and participate in the American National Standards (ANS) process. Documents posted at these links are updated periodically as new documents and guidance are developed, whenever ANS-related procedures are revised, and routinely with respect to lists of proposed and approved ANS. The main ANS-related link is www.ansi.org/asd and here are some direct links as well as highlights of information that is available:

Where to find Procedures, Guidance, Interpretations and More...

Please visit ANSI's website (www.ansi.org)

- ANSI Essential Requirements: Due process requirements for American National Standards (always current edition): www.ansi.org/essentialrequirements
- ANSI Standards Action (weekly public review announcements of proposed ANS and standards developer accreditation applications, listing of recently approved ANS, and proposed revisions to ANS-related procedures): www.ansi.org/standardsaction
- Accreditation information – for potential developers of American National Standards (ANS): www.ansi.org/sdoaccreditation
- ANS Procedures, ExSC Interpretations and Guidance (including a slide deck on how to participate in the ANS process and the BSR-9 form): www.ansi.org/asd
- Lists of ANSI-Accredited Standards Developers (ASDs), Proposed ANS and Approved ANS: www.ansi.org/asd
- American National Standards Key Steps: www.ansi.org/anskeysteps
- American National Standards Value: www.ansi.org/ansvalue
- ANS Web Forms for ANSI-Accredited Standards Developers - PINS, BSR8|108, BSR11, Technical Report: <https://www.ansi.org/portal/psawebforms/>
- Information about standards Incorporated by Reference (IBR): www.ansi.org/ibr
- ANSI - Education and Training: www.standardslearn.org

If you have a question about the ANS process and cannot find the answer, please email us at: psa@ansi.org. Please also visit Standards Boost Business at www.standardsboostbusiness.org for resources about why standards matter, testimonials, case studies, FAQs and more.

If you are interested in purchasing an American National Standard, please visit <https://webstore.ansi.org>

Accreditation Announcements (Standards Developers)

Approval of Reaccreditation – ASD

HL7 (Health Level Seven)

ANSI's Executive Standards Council has approved the reaccreditation of Health Level Seven International (HL7), an ANSI Member and Accredited Standards Developer, under its recently revised operating procedures for documenting consensus on HL7-sponsored American National Standards, effective October 8, 2020.

For additional information, please contact: Ms. Karen Van Hentenryck, Associate Executive Director Health Level Seven International 3300 Washtenaw Avenue, Suite 227; Ann Arbor, MI 48104; phone: (734) 677-7777; email: Karenvan@hl7.org.

Approval of Reaccreditation – ASD

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

Electromagnetic Compatibility

The reaccreditation of the IEEE-sponsored ASC C63, Electromagnetic Compatibility, has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on ASC C63-sponsored American National Standards, effective October 8, 2020. For additional information, please contact: Ms. Jennifer Santulli, Program Manager, IEEE, 445 Hoes Lane, Piscataway, NJ 08854; phone: 732.562.3874; email: j.santulli@ieee.org

Approval of Reaccreditation – ASD

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

Nuclear Instrumentation

The reaccreditation of the IEEE-sponsored ASC N42, Nuclear Instrumentation, has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on ASC N42-sponsored American National Standards, effective October 8, 2020. For additional information, please contact: Ms. Jennifer Santulli, Program Manager, IEEE, 445 Hoes Lane, Piscataway, NJ 08854; phone: 732.562.3874; email: j.santulli@ieee.org

Accreditation Announcements (Standards Developers)

Public Review of Revised ASD Operating Procedures

ASC X9 (Accredited Standards Committee X9, Incorporated)

Comment Deadline: November 16, 2020

Accredited Standards Committee X9, Incorporated (ASC X9, Inc.), an ANSI member and Accredited Standards Developer, has submitted revisions to its currently accredited operating procedures for documenting consensus on ASC X9-sponsored American National Standards, under which it was last reaccredited in 2018. As the current revisions appear to be substantive in nature, the reaccreditation process is initiated.

To obtain a copy of the revised procedures or to offer comments, please contact: Ms. Janet Busch, Program Manager ASC X9, Inc. 275 West Street, Suite 107, Annapolis, MD 21401 phone: 410.267.7707; email: janet.busch@x9.org

You may view/download a copy of the revisions during the public review period at the following URL: <https://share.ansi.org/Shared%20Documents/Forms/AllItems.aspx?RootFolder=%2FShared%20Documents%2FStandards%20Activities%2FPublic%20Review%20and%20Comment%2FANS%20Accreditation%20Actions%2FOctober%2016%20-%20November%2016%2C%202020%20Public%20Review%20Period&InitialTabId=Ribbon%2EDocument&VisibilityContext=WSSTabPersistence>. Please submit any public comments on the revised procedures to ASC X9, Inc. by November 16, 2020, with a copy to the ExSC Recording Secretary in ANSI's New York Office (jthompso@ANSI.org).

Public Review of Revised ASD Operating Procedures

NMEA (National Marine Electronics Association)

Comment Deadline: November 16, 2020

The National Marine Electronics Association (NMEA), an ANSI member and Accredited Standards Developer, has submitted revisions to its currently accredited operating procedures for documenting consensus on NMEA-sponsored American National Standards, under which it was originally accredited in 2009. As the current revision appear to be a substantive rewrite of the document, the reaccreditation process is initiated.

To obtain a copy of the revised procedures or to offer comments, please contact: Mr. Mark Oslund National Marine Electronics Association 692 Ritchie Hwy., Suite 104, Severna Park, MD 21146 phone: 410.975.9425; email: moslund@nmea.org

You may view/download a copy of the revisions during the public review period at the following URL: <https://share.ansi.org/Shared%20Documents/Standards%20Activities/Public%20Review%20and%20Comment/ANS%20Accreditation%20Actions/October%2016%20-%20November%2016,%202020%20Public%20Review%20Period/NMEA%20ANSI%20Operating%20Procedures%20v10%2009262020.pdf>

Please submit any public comments on the revised procedures to NMEA by November 16, 2020, with a copy to the ExSC Recording Secretary in ANSI's New York Office (jthompso@ANSI.org).

Accreditation Announcements (Standards Developers)

Public Review of Revised Operating Procedures

AGMA (American Gear Manufacturers Association)

Comment Deadline: November 9, 2020

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

To obtain a copy of the revised procedures or to offer comments, please contact: Mr. Amir Aboutaleb, Vice President, Technical Division, American Gear Manufacturers Association, 1001 N. Fairfax Street, 5th Floor, Alexandria, VA 22314-1587; phone: 703.838.0053; email: aboutaleb@agma.org.

You may view/download a copy of the revisions during the public review period at the following URL: <https://share.ansi.org/Shared%20Documents/Forms/AllItems.aspx?RootFolder=%2FShared%20Documents%2FStandards%20Activities%2FPublic%20Review%20and%20Comment%2FANSI%20Accreditation%20Actions>.

Please submit any public comments on the revised procedures to AGMA by November 9, 2020, with a copy to the ExSC Recording Secretary in ANSI's New York Office (jthompso@ANSI.org).

Meeting Notices

ANSI Accredited Standards Developer

CSA America (CSA America, Inc.)

WebEx on November 9, 2020 from 1 p.m. to 4 p.m. EST

CSA Group will hold the Fuel Cell Technical Committee meeting by WebEx on November 9, 2020 from 1 p.m. to 4 p.m. EST. For more information on the meeting and the agenda, contact Mark Duda at mark.duda@csagroup.org.

Guests planning to attend the meeting are required to notify the project manager listed below in advance of the meeting, and provide a brief explanation of interest. If you wish to present specific comments on an item of business, you are required to notify the project manager in writing no later than October 19, 2020. Notification shall include any material proposed for presentation to the Technical Committee. For information, please contact Project Manager, Mark Duda at mark.duda@csagroup.org.

American National Standards 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.

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

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

ANSI-Accredited Standards Developers Contacts

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

AAFS

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

AAMI

Association for the Advancement of Medical Instrumentation
901 N. Glebe Road, Suite 300
Arlington, VA 22203
p: (703) 253-8274
www.aami.org

ABYC

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

ASABE

American Society of Agricultural and Biological Engineers
2950 Niles Road
Saint Joseph, MI 49085
p: (269) 932-7015
<https://www.asabe.org/>

ASC X9

Accredited Standards Committee X9, Incorporated
275 West Street
Suite 107
Annapolis, MD 21401
p: (410) 267-7707
www.x9.org

ASHRAE

American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.
1791 Tullie Circle NE
Atlanta, GA 30329
p: (678) 539-2114
www.ashrae.org

ASME

American Society of Mechanical Engineers
Two Park Avenue
M/S 6-2B
New York, NY 10016-5990
p: (212) 591-8489
www.asme.org

ATIS

Alliance for Telecommunications Industry Solutions
1200 G Street NW
Suite 500
Washington, DC 20005
p: (202) 434-8843
www.atis.org

AWC

American Wood Council
222 Catoctin Circle
Suite 201
Leesburg, VA 20175
p: (202) 463-2770
www.awc.org

AWS

American Welding Society
8669 NW 36th Street
Suite 130
Miami, FL 33166-6672
p: (305) 443-9353 310
www.aws.org

AWWA

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

BIFMA

Business and Institutional Furniture Manufacturers Association
678 Front Ave. NW
Grand Rapids, MI 49504
p: (616) 591-9798
www.bifma.org

CTA

Consumer Technology Association
1919 South Eads Street
Arlington, VA 22202
p: (703) 907-7697
www.cta.tech

HL7

Health Level Seven
3300 Washtenaw Avenue
Suite 227
Ann Arbor, MI 48104
p: (313) 550-2073 104
www.hl7.org

HPS (ASC N43)

Health Physics Society
1313 Dolley Madison Blvd #402
McLean, VA 22101
p: (703) 790-1745
www.hps.org

ICC

International Code Council
4051 Flossmoor Road
Country Club Hills, IL 60478
p: (888) 422-7233 4205
www.iccsafe.org

IICRC

The Institute of Inspection, Cleaning
and Restoration Certification
4043 South Eastern Avenue
Las Vegas, NV 89119
p: (702) 430-9829
www.thecleantrust.org

INMM (ASC N14)

Institute of Nuclear Materials
Management
P.O. Box 2008, MS 6495
Oak Ridge National Laboratory
Oak Ridge, TN 37831-6495
p: (209) 627-5473
www.inmm.org

INMM (ASC N15)

Institute of Nuclear Materials
Management
9800 S. Cass Avenue
Argonne, IL 60439
p: (630) 427-7126
www.inmm.org

ISEA

International Safety Equipment
Association
1901 North Moore Street
Suite 808
Arlington, VA 22209
p: (703) 525-1695
www.safetysystem.org

ITI (INCITS)

InterNational Committee for
Information Technology Standards
700 K Street NW
Suite 600
Washington, DC 20001
p: (202) 737-8888
www.incits.org

NEMA (ASC C29)

National Electrical Manufacturers
Association
13 North 17th Street
Suite 900
Rosslyn, VA 22209
p: (703) 841-3227
www.nema.org

NEMA (ASC C50)

National Electrical Manufacturers
Association
1300 N 17th St, Suite 900
Rosslyn, VA 22209
p: (703) 841-3264
www.nema.org

NEMA (Canvass)

National Electrical Manufacturers
Association
1300 North 17th Street
Suite 900
Rosslyn, VA 22209
p: (703) 841 3290
www.nema.org

NETA

InterNational Electrical Testing
Association
3050 Old Centre
Suite 101
Portage, MI 49024
p: (269) 488-6382
www.netaworld.org

NSF

NSF International
789 N. Dixboro Road
Ann Arbor, MI 48105-9723
p: (734) 827-3813
www.nsf.org

OPEI

Outdoor Power Equipment Institute
1605 King Street
3rd Floor
Alexandria, VA 22314
p: (703) 549-7600
www.opei.org

RESNA

Rehabilitation Engineering and
Assistive Technology Society of
North America
2025 M Street NW
Suite 800
Washington, DC 20036
p: (312) 321-6826
www.resna.org

SCTE

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

TCNA (ASC A108)

Tile Council of North America
100 Clemson Research Blvd.
Anderson, SC 29625
p: (864) 646-8453
www.tcnatile.com

UL

Underwriters Laboratories
12 Laboratory Drive
Research Triangle Park, NC 27709
-3995
p: (919) 549-0954
https://ul.org/

VITA

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

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.

When organization names are submitted to ANSI for registration, they will be listed here alphanumerically.

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

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; F: (301) 926-1559; E: usatbtep@nist.gov or notifyus@nist.gov.



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 4134, Meat And Meat Products - Determination Of L-(+)-Glutamic Acid Content - Reference Method - 12/25/2020, \$67.00

ISO/DIS 6321, Animal And Vegetable Fats And Oils - Determination Of Melting Point In Open Capillary Tubes (Slip Point) - 12/26/2020, \$53.00

ISO/DIS 23776, Meat and meat products - Determination of total phosphorous content - 12/26/2020, \$71.00

BIOTECHNOLOGY (TC 276)

ISO/DIS 5058-1, Biotechnology - Genome Editing - Part 1: Terminology - 12/24/2020, \$53.00

FLUID POWER SYSTEMS (TC 131)

ISO/DIS 15086-3, Hydraulic fluid power - Determination of the fluid-borne noise characteristics of components and systems - Part 3: Measurement of hydraulic impedance - 12/31/2020, \$88.00

FURNITURE (TC 136)

ISO/DIS 4211-5, Furniture - Tests for surface finishes - Part 5: Assessment of resistance to scratching - 11/3/2002, FREE

IMPLANTS FOR SURGERY (TC 150)

ISO/DIS 13179-1, Implants for surgery - Coatings on metallic surgical implants - Part 1: Plasma-sprayed coatings derived from unalloyed titanium and TiAl6V4 powders - 12/25/2020, \$40.00

ISO/DIS 25539-4, Cardiovascular implants - Endovascular devices - Part 4: Application of ISO 17327-1 for coated endovascular devices - 12/31/2020, \$58.00

NUCLEAR ENERGY (TC 85)

ISO/DIS 16796, Nuclear energy - Determination of Gd₂O₃ content in gadolinium fuel blends and gadolinium fuel pellets by atomic emission spectrometry using an inductively coupled plasma source (ICP-AES) - 11/3/2023, \$40.00

PULLEYS AND BELTS (INCLUDING VEEBELTS) (TC 41)

ISO/DIS 340, Conveyor belts - Laboratory scale flammability characteristics - Requirements and test method - 12/24/2020, \$46.00

STERILIZATION OF HEALTH CARE PRODUCTS (TC 198)

ISO/DIS 15883-1, Washer-disinfectors - Part 1: General requirements, terms and definitions and tests - 12/28/2020, \$155.00

TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY (TC 23)

ISO/DIS 5682-4, Equipment for crop protection - Spraying equipment - Part 4: Test Methods for agitation of sprayer tanks - 12/24/2020, \$40.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 18033-3/DAMd1, Information technology - Security techniques - Encryption algorithms - Part 3: Block ciphers - Amendment 1: SM4 - 11/5/2019, \$46.00

IEC Standards

CABPUB/187A/CD, ISO/IEC CD 17060 Conformity assessment - Code of good practice, 11/27/2020

- 8B/65/NP, PNW TS 8B-65 ED1: Microgrids - Technical requirements - Monitoring and Control systems, 01/01/2021
- 21A/736/Q, Withdrawal of IEC TR 62914 ED1, 11/20/2020
- 34/757/CD, IEC TS 63116 ED1: Lighting systems - General requirements, 01/01/2021
- 34B/2098(F)/FDIS, IEC 60061-1/AMD61 ED3: Amendment 61 - Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 1: Lamp caps, 10/30/2020
- 35/1455/CDV, IEC 60086-5 ED5: Primary batteries - Part 5: Safety of batteries with aqueous electrolyte, 01/01/2021
- 36/498/FDIS, IEC 60433 ED4: Insulators for overhead lines with a nominal voltage above 1000 V - Ceramic insulators for A.C. systems - Characteristics of insulator units of the long rod type, 11/20/2020
- 36/499/FDIS, IEC 60305 ED5: Insulators for overhead lines with a nominal voltage above 1000 V - Ceramic or glass insulator units for a.c. systems - Characteristics of insulator units of the cap and pin type, 11/20/2020
- 40/2771/CDV, IEC 60938-2 ED3: Fixed inductors for electromagnetic interference suppression - Part 2: Sectional specification on Power Line Chokes, 01/01/2021
- 46F/511/CDV, IEC 63249-1 ED1: Waveguide to coaxial adapters - Part 1: Generic specification - General requirements and test methods, 01/01/2021
- 47/2664/FDIS, IEC 62435-7 ED1: Electronic components - Long-term storage of electronic semiconductor devices - Part 7: Micro-electromechanical devices, 11/20/2020
- 47/2665/NP, PNW 47-2665 ED1: Semiconductor devices - Semiconductor devices for IOT system - Part 1: Test method of sound variation detection, 01/01/2021
- 57/2265/CDV, IEC 61970-401 ED1: Energy management system application program interface (EMS-API) - Part 401: Profile framework, 01/01/2021
- 59C/256(F)/FDIS, IEC 60675-2 ED1: Household electric direct-acting room heaters - Methods for measuring performance - Part 2: Additional provisions for the measurement of the radiant factor, 11/06/2020
- 62D/1789/CDV, ISO 80601-2-90 ED1: Medical electrical equipment - Part 2-90: Particular requirements for basic safety and essential performance of respiratory high-flow therapy equipment, 01/01/2021
- 65/843/NP, PNW 65-843 ED1: Industrial Facility Energy Management System (FEMS) - Functions and Information Flows, 01/01/2021
- 80/968/CDV, IEC 63173-1 ED1: Maritime navigation and radiocommunication equipment and systems - Data Interface - Part 1: S-421 Route Plan Based on S-100, 01/01/2021
- 86A/2043/CDV, IEC 60794-1-219 ED1: Optical fibre cables - Part 1 -219: Generic specification - Basic optical cable test procedures - Material compatibility test, Method F19, 01/01/2021
- 86A/2044/CDV, IEC 60794-1-401 ED1: Optical fibre cables - Basic optical cable test procedures - Part 401: Electrical test methods - Short-circuit test (for OPGW, OPPC and OPAC), Method H1, 01/01/2021
- 86A/2045/CDV, IEC 60794-1-402 ED1: Optical Fibre Cables - Basic optical cable test procedures - Part 402: Electrical test methods - Lightning test (for OPGW, OPPC and OPAC), Method H2, 01/01/2021
- 86B/4343(F)/FDIS, IEC 61300-3-53 ED2: Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-53: Examinations and measurements - Encircled angular flux (EAF) measurement method based on two-dimensional far field data from multimode waveguide (including fibre), 10/30/2020
- 100/3479/CDV, IEC 63087-1 ED1: Measurement method for assistive listening functionality (TA 16), 01/01/2021



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

ISO/IEC JTC 1 Technical Reports

[ISO/IEC TR 23842-1:2020](#), Information technology for learning, education, and training - Human factor guidelines for virtual reality content - Part 1: Considerations when using VR content, \$45.00

[ISO/IEC TR 23842-2:2020](#), Information technology for learning, education, and training - Human factor guidelines for virtual reality content - Part 2: Considerations when making VR content, \$45.00

AGRICULTURAL FOOD PRODUCTS (TC 34)

[ISO 21468:2020](#), Infant formula and adult nutritionals - Determination of free and total choline and free and total carnitine - Liquid chromatography tandem mass spectrometry (HPLC-MS/MS), \$103.00

[ISO 21543:2020](#), Milk and milk products - Guidelines for the application of near infrared spectrometry, \$138.00

CORK (TC 87)

[ISO 2385:2020](#), Packed cork - Virgin cork, raw reproduction cork, burnt cork, boiled reproduction cork and raw cork waste - Sampling to determine moisture content, \$45.00

CRANES (TC 96)

[ISO 4306-4:2020](#), Cranes - Vocabulary - Part 4: Jib cranes, \$45.00

FOOTWEAR (TC 216)

[ISO 24264:2020](#), Footwear - Test methods for hollow and compact heels with top pieces - Top piece attachment strength, \$45.00

HEALTH INFORMATICS (TC 215)

[ISO 17090-4:2020](#), Health informatics - Public key infrastructure - Part 4: Digital signatures for healthcare documents, \$162.00

INFORMATION AND DOCUMENTATION (TC 46)

[ISO 3297:2020](#), Information and documentation - International standard serial number (ISSN), \$138.00

METALLIC AND OTHER INORGANIC COATINGS (TC 107)

[ISO 16866:2020](#), Metallic and other inorganic coatings - Simultaneous thickness and electrode potential determination of individual layers in multilayer nickel deposits (STEP test), \$68.00

OPTICS AND OPTICAL INSTRUMENTS (TC 172)

[ISO 11978/Amd1:2020](#), Ophthalmic optics - Contact lenses and contact lens care products - Labelling - Amendment 1, \$19.00

PAINTS AND VARNISHES (TC 35)

[ISO 11127-1:2020](#), Preparation of steel substrates before application of paints and related products - Test methods for non-metallic blast-cleaning abrasives - Part 1: Sampling, \$68.00

[ISO 11127-2:2020](#), Preparation of steel substrates before application of paints and related products - Test methods for non-metallic blast-cleaning abrasives - Part 2: Determination of particle size distribution, \$45.00

[ISO 11127-3:2020](#), Preparation of steel substrates before application of paints and related products - Test methods for non-metallic blast-cleaning abrasives - Part 3: Determination of apparent density, \$45.00

[ISO 11127-4:2020](#), Preparation of steel substrates before application of paints and related products - Test methods for non-metallic blast-cleaning abrasives - Part 4: Assessment of hardness by a glass slide test, \$45.00

[ISO 11127-5:2020](#), Preparation of steel substrates before application of paints and related products - Test methods for non-metallic blast-cleaning abrasives - Part 5: Determination of moisture, \$45.00

[ISO 11127-8:2020](#), Preparation of steel substrates before application of paints and related products - Test methods for non-metallic blast-cleaning abrasives - Part 8: Field determination of water-soluble chlorides, \$45.00

REFRACTORIES (TC 33)

[ISO 21736:2020](#), Refractories - Test methods for thermal shock resistance, \$68.00

REFRIGERATION (TC 86)

[ISO 5151/Amd1:2020](#), Non-ducted air conditioners and heat pumps - Testing and rating for performance - Amendment 1, \$19.00

[ISO 15042/Amd1:2020](#), Multiple split-system air conditioners and air-to-air heat pumps - Testing and rating for performance - Amendment 1, \$19.00

ROAD VEHICLES (TC 22)

[ISO 20794-6:2020](#), Road vehicles - Clock extension peripheral interface (CXPI) - Part 6: Transport and network layer conformance test plan, \$162.00

SHIPS AND MARINE TECHNOLOGY (TC 8)

[ISO/PAS 24438:2020](#), Ships and marine technology - Maritime education and training - Maritime career guidance, \$103.00

SIEVES, SIEVING AND OTHER SIZING METHODS (TC 24)

[ISO 17867:2020](#), Particle size analysis - Small angle X-ray scattering (SAXS), \$162.00

SMALL CRAFT (TC 188)

[ISO 11591:2020](#), Small craft - Field of vision from the steering position, \$68.00

SOLID MINERAL FUELS (TC 27)

[ISO 1928:2020](#), Coal and coke - Determination of gross calorific value, \$209.00

SPORTS AND RECREATIONAL EQUIPMENT (TC 83)

[ISO 20957-7:2020](#), Stationary training equipment - Part 7: Rowing equipment, additional specific safety requirements and test methods, \$68.00

SURFACE CHEMICAL ANALYSIS (TC 201)

[ISO 16531:2020](#), Surface chemical analysis - Depth profiling - Methods for ion beam alignment and the associated measurement of current or current density for depth profiling in AES and XPS, \$138.00

TEXTILES (TC 38)

[ISO 1833-12:2020](#), Textiles - Quantitative chemical analysis - Part 12: Mixtures of acrylic, certain modacrylics, certain chlorofibres, certain elastane fibres with certain other fibres (method using dimethylformamide), \$45.00

[ISO 1833-18:2020](#), Textiles - Quantitative chemical analysis - Part 18: Mixtures of silk with wool or other animal hair (method using sulfuric acid), \$45.00

[ISO 1833-26:2020](#), Textiles - Quantitative chemical analysis - Part 26: Mixtures of melamine with certain other fibres (method using hot formic acid), \$45.00

WOOD-BASED PANELS (TC 89)

[ISO 12460-3:2020](#), Wood-based panels - Determination of formaldehyde release - Part 3: Gas analysis method, \$103.00

ISO Technical Specifications

HEALTH INFORMATICS (TC 215)

[ISO/TS 22692:2020](#), Genomics informatics - Quality control metrics for DNA sequencing, \$103.00

INFORMATION AND DOCUMENTATION (TC 46)

[ISO/TS 16175-2:2020](#), Information and documentation - Processes and functional requirements for software for managing records - Part 2: Guidance for selecting, designing, implementing and maintaining software for managing records, \$138.00

LIGHT AND LIGHTING (TC 274)

[ISO/TS 21274:2020](#), Light and lighting - Commissioning of lighting systems in buildings, \$103.00

IEC Standards

(TC 100)

[IEC 63028 Ed. 1.0 b:2017](#), Wireless power transfer - Airfuel Alliance resonant baseline system specification (BSS), \$375.00

(TC 35)

[IEC 60086-1 Ed. 12.0 b:2015](#), Primary batteries - Part 1: General, \$281.00

(TC 45)

[IEC 62484 Ed. 2.0 en:2020](#), Radiation protection instrumentation - Spectrometric radiation portal monitors (SRPMs) used for the detection and identification of illicit trafficking of radioactive material, \$235.00

(TC 47)

[IEC 60747-16-4 Ed. 1.2 b:2017](#), Semiconductor devices - Part 16-4: Microwave integrated circuits - Switches, \$322.00

(TC 86)

[IEC 62614-1 Ed. 1.0 b:2020](#), Fibre optics - Multimode launch conditions - Part 1: Launch condition requirements for measuring multimode attenuation, \$82.00

International Organization for Standardization (ISO)

Call for International (ISO) Secretariat

ISO/TC 266 – Biomimetics

Reply Deadline: November 20, 2020

ANSI has been informed by the ISO Technical Management Board (ISO/TMB) that Germany (DIN), the ISO delegated Secretariat of ISO/TC 266 - Biomimetics, wishes to relinquish the role of the Secretariat.

ISO/TC 266 operates under the following scope:

Standardization in the field of biomimetics that includes but is not limited to methods and technologies in biomimetics such as biomimetic materials, processes and products, incorporating the most recent results of R&D projects.

Classification, definition and development of terminology in the field of biomimetics.

Description of the potentials and limitations of biomimetics as an innovation system or a sustainability strategy.

Description and standardization of methods in biomimetics, biomimetic materials, processes and products throughout their entire lifecycle.

ANSI is seeking organizations in the U.S. that may be interested in assuming the role of the U.S. delegated Secretariat for ISO/TC 266. Alternatively, ANSI may be assigned the responsibility for administering an ISO Secretariat. Any request that ANSI accept the direct administration of an ISO Secretariat shall demonstrate that:

1. The affected interests have made a financial commitment for not less than three years covering all defined costs incurred by ANSI associated with holding the Secretariat;
2. the affected technical sector, organizations or companies desiring that the U.S. hold the Secretariat request that ANSI perform this function;
3. the relevant U.S. TAG has been consulted with regard to ANSI's potential role as Secretariat; and
4. ANSI is able to fulfill the requirements of a Secretariat.

Note that currently ANSI is not a P-member of ISO/TC 266. A U.S. TAG would also need to be established in order for the U.S. to take on the Secretariat role.

Information concerning the United States forming a U.S. TAG and acquiring the role of international Secretariat may be obtained by contacting ANSI's ISO Team (isot@ansi.org).

ISO Proposal for a New Field of ISO Technical Activity

Ecological Restoration

Comment Deadline: November 20, 2020

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

Standardization of all types and all sizes of ecological restoration projects, including their management, planning, implementation, monitoring, evaluation, and reporting.

Excluded: • ISO/TC 82/SC7 (Mine closure and reclamation management) Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, November 2020. International

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, November 2020.

Call for Members (USNC)

International Electrotechnical Commission (IEC)

USNC TAG to IEC/TC 85 - Measuring equipment for electrical and electromagnetic quantities

The USNC TAG Officers for the USNC TAG to IEC/TC 85 would like to grow the membership of the TAG. Individuals who are interested in joining the USNC TAG to IEC/TC 85 are invited to contact Ade Gladstein at agladstein@ansi.org as soon as possible.

SCOPE: IEC/TC 85 – Measuring equipment for electrical and electromagnetic quantities: To prepare international standards for equipment, systems, and methods used in the fields of measurement, test, recurrent test, monitoring, evaluation, generation and analysis of steady state and dynamic (including temporary and transients) electrical and electromagnetic quantities, as well as their calibrators.

Such equipment includes devices for testing the safety of power distribution systems and connected equipment, devices for monitoring the power distribution systems, electrical measuring transducers, signal generators, recorders together with their accessories.

NOTE: Product safety aspects are covered by TC 66.



**BSR/ASHRAE/ASHE Addendum b
to ANSI/ASHRAE/ASHE Standard 189.3-2017**

Public Review Draft

**Proposed Addendum b to
Standard 189.3-2017, Design,
Construction, and Operation of
Sustainable High-Performance
Health Care Facilities**

**Second Public Review (October 2020)
(Draft shows Proposed Independent Substantive Changes
to Previous Public Review Draft)**

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

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

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

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

BSR/ASHRAE/ASHE Addendum b to ANSI/ASHRAE/ASHE Standard 189.3-2017, *Design, Construction, and Operation of Sustainable High-Performance Health Care Facilities*

Second Public Review Draft (ISC)

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

FOREWORD

This addendum is part of the continuous maintenance process to maintain coordination within ASHRAE standards. This addendum reflects the committee's continuing efforts to identify revisions necessary to align the standard with the latest addenda of ANSI/ASHRAE/USGBC/IES Standard 189.1, along with recent publication of other standards that are referenced by this standard.

Significant changes include the following:

- *In Section 3, "Definitions, Abbreviations, and Acronyms," revised definition for residential health facility added specialized outpatient facility based on coordination with the Facility Guidelines Institute*
- *In Section 7, "Energy Efficiency," Mandatory Provisions language was updated, an exception was provided in the On-Site Renewable Energy Systems section, an exception to Fault Detection and Diagnostics was added, Prescriptive Option language was updated, new Table 7.4.1.1 addressing Renewable Energy Requirement was provided, and Performance Option language and exceptions to Annual Energy Cost and Annual Carbon Dioxide Equivalent (CO_{2e}) were modified.*
- *In Section 8, "Indoor Environmental Quality (IEQ)," an informative note was provided for Section 8.3.1.2, "Outdoor Air Delivery Monitoring."*
- *In Section 10, "Construction and Plans for Operation," an exception was added related to indoor environmental quality.*
- *Editorial Note: Future editions of the standard will incorporate the section numbering of ASHRAE Standard 189.1 and the related International Green Construction Code. For example, "Mandatory Provisions" in Section 6 will be titled 6.3 (601.3), "Mandatory Provisions."*
- *This ISC includes changes to Table 7.5.1 based on public review feedback. Additional building types have been added to align with Table 7.4.1.1 building types, as well as updating the Building Performance Factor for all building types to coordinate with ANSI/ASHRAE/IES Standard 90.1-2019.*

Note: The draft of Addendum b that was used for the First Publication Public Review is replaced in its entirety by this Second Independent Substantive Changes Public Review Draft. Substantive changes to the First Public Review Draft and related changes to Standard 189.3-2017 are indicated by **blue-colored text** with **underlining** (for additions) and **strikethrough** (for deletions). **Only these changes in blue are open to comment.** Editorial comments are **not open for comment**. Other sections of Standard 189.3-2017 that are unchanged are also **not open for comment**.

Addendum b to Standard 189.3-2017

Modify Section 3 as shown. The remainder of Section 3 is unchanged.

3. DEFINITIONS, ABBREVIATIONS, AND ACRONYMS

[...]

3.2 Definitions

[...]

residential health care facility: a facility, building, or portion of a building that provides housing and services for a nursing home or hospice for a resident or group of residents.

[...]

specialized outpatient facility: any of the following facility types: outpatient surgical, endoscopy, infusion,

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renal dialysis, freestanding emergency departments, and imaging facilities with Class 2 and Class 3 imaging rooms.

Modify Section 4 as shown. The remainder of Section 4 is unchanged.

4. ADMINISTRATION AND ENFORCEMENT

[...]

4.2 Requirements Determined by Jurisdiction. Jurisdictions shall comply with Section 4.2 of ANSI/ASHRAE/USGBC/IES Standard 189.1-2017 and Addendum r to ANSI/ASHRAE/USGBC/IES Standard 189.1-2017.

Renumber all subsequent subsections accordingly.

[...]

Modify Section 6 as shown. The remainder of Section 6 is unchanged.

6. WATER USE EFFICIENCY

[...]

6.3.2.3 HVAC Systems and Equipment

Exception to 6.3.2.3(d~~e~~): Air-conditioning units greater than 65,000 Btu/h (19 kW) with a sensible heat ratio of 0.80 or greater.

[...]

Modify Section 7 as shown. The remainder of Section 7 is unchanged.

7. ENERGY EFFICIENCY

[...]

7.3 Mandatory Provisions. When a requirement is provided below, it supersedes the requirement in Standard 189.1. For all other criteria, the building project shall comply with the requirements of Standard 189.1.

~~**7.3.1 General.** Building projects shall be designed to comply with Sections 5.4, 6.4, 7.4, 8.4, 9.4, and 10.4 of Standard 90.1.~~

7.3.1 On-site Renewable Energy Systems

Exceptions to 7.3.1:

4. Building projects that include both:

~~a. designs showing allocated space and pathways for future installation of on-site photovoltaic systems with a rated capacity of not less than 2 W/ft^2 (22 W/m^2) multiplied by the horizontal projection of the gross roof area over conditioned spaces and semi-heated spaces, and~~

~~b. installation of associated electrical infrastructure sized and routed to support the full capacity of the future on-site photovoltaic systems, including electrical equipment and conduit to the future space where the systems are located.~~

~~The building gross roof area used for calculation shall be as stated in Section 7.3.2.~~

~~**7.3.4 Peak Load Reduction. Automated Demand Response.** Peak load reduction capabilities of Standard 189.1 shall not be required.~~

7.3.5 Fault Detection and Diagnostics (FDD):

Exceptions to 7.3.5:

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6. Exam rooms, treatment rooms, patient rooms, and resident rooms in healthcare facilities.

7.4 Prescriptive Option. When a requirement is provided below, it supersedes the requirement in Standard 189.1. For all other criteria, the building project shall comply with the requirements of Standard 189.1.

~~7.4.1 General Comprehensive Prescriptive Requirements.~~ When a requirement is provided below, it supersedes the requirement in Standard 189.1. For all other criteria, the building project shall comply with the requirements of Standard 189.1.

Table 7.4.1.1 Renewable Energy Requirement

Building Type	Standard Renewables Approach		Alternate Renewables Approach	
	kBtu/ft²-year	kW/m²-year	kBtu/ft²-year	kW/m²-year
Hospital	40	126	36	113
Residential Health Facility ^a	22	68	20	62
Specialized Outpatient Facility	38	120	34	107
General Outpatient Facility	14	44	13	40

a. Exception: Applicable for new construction only.

[...]

7.4.3.45 Zone Controls. Zone controls shall be provided in accordance with Section 6.5.2.1 of Standard 90.1.

Exception to 7.4.3.45: Ventilation as required to comply with Standard 170.

~~7.4.53.36.1 Fan System Power Limitation.~~ **7.4.53.36.1 Fan System Power Limitation.** Systems shall have fan power limitations as specified in Standard 90.1, Section 6.5.3.1.

7.4.3.67 Exhaust Air Energy Recovery. Each fan system shall have an energy recovery system when the system's supply airflow rate exceeds the value listed in Standard 90.1, Table 6.5.6.1.

Exception to 7.4.3.67: Exhaust air energy recovery shall not be required for systems or portions thereof that handle hazardous exhaust air, as defined in Standard 170, Section 6.3.2.

[...]

7.5 Performance Option

7.5.1 Annual Energy Cost

a. ~~For a new building project, the proposed building performance cost index shall be determined in accordance with~~ Follow Standard 189.1, Section 7.5.1, "Annual Energy Cost" ~~with the baseline~~ except that building performance factor (BPF) shall be taken from Table 7.5.2A1, below.

b. **Exception to 7.5.1:** For a major renovation, addition, or alteration building project, as defined by Section 4.2, that is not served in whole or in part by a district energy plant, calculate proposed building performance in accordance with ANSI/ASHRAE/IES Standard 90.1, Normative Appendix G, and Standard 189.3, the building project shall have an annual energy cost equal to or less than that achieved by compliance with the applicable Sections 6.3, 7.3, 7.4, and 8.3, which shall supersede Standard 90.1, Normative Appendix G requirements as defined by Section 4.2.

e. ~~Comparisons shall be made using Standard 90.1, Normative Appendix G.~~

7.5.2 Annual Carbon Dioxide Equivalent (CO₂e). Follow Standard 189.1, Section 7.5.2, "Annual Carbon Dioxide Equivalent (CO₂e)." except that PCI target shall be determined in accordance with Standard 189.3, Section 7.5.1, "Annual Energy Cost."

Exception to 7.5.2: A major renovation, addition, or alteration building project, as defined by Section 4.2.

7.5.2 ~~For a new building project, demonstrate that the proposed design shall have an annual CO₂e is equal to or less than the annual CO₂e of the baseline building performance rating. The proposed design shall have an~~

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annual CO₂e equal to or less than the annual CO₂e of the baseline building design multiplied by one minus the percentage reduction in the building performance factor target determined from Table 7.5.2A using the performance rating method in Standard 90.1, Normative Appendix G. To determine the annual CO₂e for each energy source in the baseline building design and proposed design, the energy consumption shall be multiplied by the CO₂e emission factors from Standard 189.1, Table 7.5.2B.

Table 7.5.12A Energy Cost and CO₂e Building Performance Factors (BPF)

Building Area Type	Climate Zone																
	1A	1B	2A	2B	3A	3B	3C	4A	4B	4C	5A	5B	5C	6A	6B	7	8
Healthcare/Hospital	0.64 0.60	0.56 0.60	0.60 0.58	0.56 0.54	0.60 0.56	0.56 0.55	0.54 0.55	0.57 0.55	0.53 0.54	0.55 0.54	0.59 0.57	0.52	0.55 0.54	0.57	0.52	0.56 0.57	0.56 0.57
Residential Healthcare Facility	0.73 0.68	0.73 0.70	0.71 0.66	0.69 0.66	0.74 0.69	0.73 0.68	0.68 0.59	0.78 0.74	0.81 0.76	0.81 0.74	0.76 0.70	0.80 0.73	0.81 0.75	0.76 0.68	0.79 0.71	0.74 0.68	0.80 0.72
Specialized Outpatient Facility	0.60	0.60	0.58	0.54	0.56	0.55	0.55	0.55	0.54	0.54	0.57	0.52	0.54	0.57	0.52	0.57	0.57
General Outpatient Facility	0.52	0.57	0.50	0.56	0.53	0.56	0.48	0.51	0.52	0.49	0.51	0.51	0.49	0.52	0.51	0.49	0.51

7.5.3 Zero Energy Performance Index

Exception to 7.5.3: A major renovation, addition, or alteration building project, as defined by Section 4.2.

Modify Section 8 as shown. The remainder of Section 8 is unchanged.

8. INDOOR ENVIRONMENTAL QUALITY (IEQ)

[...]

Exceptions to 8.3.1.2.2:

- Dedicated outdoor air-conditioning units and direct-expansion-based air-conditioning units serving a residential health care facility delivering a constant rate of conditioned ventilation air.

Informative Note: The unnumbered exception to Section 8.3.1.2.2 in Standard 189.1 also applies and for the purpose of this document is considered Exception 1.

[...]

Exceptions to 8.3.1.10:

- All rooms in hospitals. All rooms in health care occupancies subject to automatic control of HVAC and lighting as required in Sections 7 and 8.

Informative Note: The unnumbered exception to Section 8.3.1.10~~7~~ in Standard 189.1 also applies and for the purpose of this document is considered Exception 1.

[...]

8.4 Prescriptive Option

8.4.12 Materials

8.4.12.1 Adhesives and Sealants

- 8.4.12.1.1 Emissions Requirements.** Emissions shall be tested in accordance with CDPH/EHLB Standard Method V1.1 and shall meet the limit requirements therein. The determination of emissions shall be

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based on the minimum room volume, clear floor area, natural light, and window-area-to-floor-area ratio of a private patient room as prescribed in the FGI *Guidelines for Design and Construction of ~~Healthcare Facilities~~ Hospitals, Guidelines for Design and Construction of Outpatient Facilities*, or a resident room as prescribed in the FGI *Guidelines for Design and Construction of Residential Health, Care, and Support Facilities*, and provided outdoor air at a rate of 2.0 ach based on Standard 170, Table 7.1.

8.4.12.2 Paints and Coating

8.4.12.2.1 Emissions Requirements. Emissions shall be tested in accordance with CDPH/EHLB Standard Method V1.1 and shall meet the limit requirements therein. The determination of emissions shall be based on the minimum room volume clear floor area, natural light, and window-area-to-floor-area ratio of a private patient room as prescribed in the FGI *Guidelines for Design and Construction of ~~Healthcare Facilities~~ Hospitals, Guidelines for Design and Construction of Outpatient Facilities*, or a resident room as prescribed in the FGI *Guidelines for Design and Construction of Residential Health, Care, and Support Facilities*, and provided outdoor air at a rate of 2.0 ach based on Standard 170, Table 7.1.

8.4.12.3 Floor Covering Materials

8.4.12.3.1 Emissions Requirements. Emissions shall be tested in accordance with CDPH/EHLB Standard Method V1.1 and shall meet the limit requirements therein. The determination of emissions shall be based on the minimum room volume clear floor area, natural light, and window-area-to-floor-area ratio of a private patient room as prescribed in the FGI *Guidelines for Design and Construction of ~~Healthcare Facilities~~ Hospitals, Guidelines for Design and Construction of Outpatient Facilities*, or a resident room as prescribed in the FGI *Guidelines for Design and Construction of Residential Health, Care, and Support Facilities*, and provided outdoor air at a rate of 2.0 ach based on Standard 170, Table 7.1.

8.4.12.5 Furniture Systems and Seating

8.4.12.5.1 Office Furniture

8.4.12.5.2 Patient Room Furniture

8.4.12.5.2.1 Emission Requirements. Emissions shall be tested in accordance with CDPH/EHLB Standard Method V1.1 and shall meet the limit requirements therein. The determination of emissions shall meet the limit requirements therein. The determination of emissions shall be based on the minimum room volume, clear floor area, natural light, and window-area-to-floor-area ratio of a private patient room as prescribed in the FGI *Guidelines for Design and Construction of ~~Healthcare Facilities~~ Hospitals, Guidelines for Design and Construction of Outpatient Facilities*, or a resident room as prescribed in the FGI *Guidelines for Design and Construction of Residential Health, Care, and Support Facilities*, and provided outdoor air at a rate of 2.0 ach based on Standard 170, Table 7.1.

8.4.12.6 Ceiling and Wall Assemblies and Systems

8.4.12.6.1 Emission Requirements. Emissions shall be tested in accordance with CDPH/EHLB Standard Method V1.1 and shall meet the limit requirements therein. The determination of emissions shall meet the limit requirements therein. The determination of emissions shall be based on the minimum room volume, clear floor area, natural light, and window-area-to-floor-area ratio of a private patient room as prescribed in the FGI *Guidelines for Design and Construction of ~~Healthcare Facilities~~ Hospitals, Guidelines for Design and Construction of Outpatient Facilities*, or a resident room as prescribed in the FGI *Guidelines for Design and Construction of Residential Health, Care, and Support Facilities*, and provided outdoor air at a rate of 2.0 ach based on Standard 170, Table 7.1.

[...]

Modify Section 10 as shown. The remainder of Section 10 is unchanged.

10. INDOOR ENVIRONMENTAL QUALITY (IEQ)

[...]

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10.3 Mandatory Provisions

10.3.1.2 Building Project Commissioning (Cx) Process. Commissioning shall comply with the provisions of Standard 189.1. See Informative Appendix J, Section J3, for additional information.

BSR/IICRC S220 Standard for Professional Inspection of Hard Surface Floor Coverings

Substantive changes since first public review.

Second Public Review – October 16 to November 15, 2020.

Section A Scope, Purpose, and Application

A.1 Scope

This standard describes the non-destructive procedures, methods, and systems for professional inspectors to follow when inspecting light commercial and residential hard surface floor coverings; including stone, laminate, prefinished wood, ceramic, and resilient.

A.2 Purpose

The purpose of this standard is to define basic, non-destructive procedures, and techniques for evaluating hard surface types, characteristics and conditions, in order to determine appropriate procedures for inspecting hard surface floor coverings. It was not written to teach inspection procedures. Numerous manuals, videotapes, workshops, and seminars are available to teach comprehensive hard surface floor covering inspection procedures.

Section C Definitions

adhered: secured and supported by adhesion of a bonding material to a surface.

decorative layer: the layer of laminate or vinyl plank/tile flooring providing visual aesthetic properties.

delamination: the separation of layers caused by failure of the adhesive itself or of the interface between adhesive and adhered.

laminate core: in laminated flooring, the core provides for strength and impact resistance and can be made from high or medium-density fiberboard, particle (chipboard, or polyurethane foam. Particleboard and fiberboard are produced from compressed wood fibers mixed with bonding agents and is vulnerable to moisture.

subfloor: the structural layer intended to provide support for design loadings which may receive floor coverings directly if the surface is appropriate or directly via an underlayment if its surface is not suitable.

substrate: the underlying support surface upon which the flooring is installed.

supplementary lighting: lighting used to provide an additional quantity and quality of illumination, not obtained by the general lighting system.

3.3 Report Writing Sequence

A report should be divided into two general sections. First a section, which should include but is not limited to:

- 1 ▪ claim numbers;
- 2 ▪ date of commission requests and date of inspection;
- 3 ▪ commissioning parties;
- 4 ▪ claimant information;
- 5 ▪ retailer information;
- 6 ▪ product information (i.e., construction, color, type, underlayment);
- 7 ▪ amount of product purchased, installed and inspected;
- 8 ▪ date, areas and type of installation;
- 9 ▪ reason for the inspection;
- 10 ▪ maintenance and cleaning details, and
- 11 ▪ inspector administrative information.

12 **Section 9 Stone, Ceramic Flooring Inspection**

13
14 For a stone or ceramic tile inspection the inspector should observe, collect, and document the following:

- 15 ▪ affected area of concern;
- 16 ▪ type of material, (i.e. porcelain, ceramic, stone);
- 17 ▪ nominal format of the tile (to include size and edge configuration) and the pattern of the
- 18 installation;
- 19 ▪ note the finish of the surface whether it be glazed, polished, honed, flamed;
- 20 ▪ confirm the type of grout and general width of the joint;
- 21 ▪ substrate/subfloor type;
- 22 ▪ grade level of substrate/subfloor;
- 23 ▪ type of underlayment;
- 24 ▪ overall construction and support system, i.e., pier and beam, joists, crawl space, etc.;
- 25 ▪ try to ascertain acclimation of product;
- 26 ▪ if condition is increasing in frequency or severity, and
- 27 ▪ maintenance procedures and products.
- 28

29 **9.1.5 Facial Anomalies**

30
31 During the inspection, the inspector should observe, collect, and document the following:

- 32 ▪ describe anomaly and conditions that impact visibility;
- 33 ○ distance and angle from occurrence viewed (i.e., standing position, kneeling position);
- 34 ○ lighting conditions, and
- 35 ○ soil conditions.
- 36 ▪ number of occurrences;
- 37 ▪ amount affected, and
- 38 ▪ repeat or visible pattern.
- 39

40 ANSI A137.1 *American National Standards Specifications for Ceramic Tile* lists specific guidelines for

41 examining ceramic tile for these conditions.

42
43 In the case of natural stone, pits, voids and fissures may be present and are considered to be inherent to

44 the product. The inspector should note the dimensions of such characteristics and refer to the *National*

45 *Stone Institute (formerly the Marble Institute of America, Version 8) - Dimension Stone Design Manual;*

46 *Chapter 22-1 (formerly Appendix A), Tolerances in the Dimension Stone Industry.*

47 **9.2 Grout Concerns**

48
49 During the inspection, the inspector should observe, collect, and document the following:

- 50 ▪ grout material used;
- 51
- 52

- 1 ▪ date the grout was placed in reference to tile installation;
- 2 ▪ average grout joint width;
- 3 ▪ type of tile;
- 4 ▪ any repairs performed;
- 5 ▪ if topically applied sealer was used and when applied;
- 6 ▪ if topically applied colorant was used and when applied;
- 7 ▪ cleaning and maintenance products (pH), procedures and history.

8 **9.2.5 Grout Joint Widths**

9
10 During the inspection, the inspector should observe, collect, and document the following:

- 11 ▪ the range of the grout joint width;
- 12 ▪ the average width of grout joint;
- 13 ▪ the range of the facial dimension if within ANSI A137.1 *American National Standards Specifications for Ceramic Tile* specifications, and
 - 14 o check that smaller tiles are centered to larger tiles;
 - 15 o check that smaller tiles are centered to larger tiles;
 - 16 o check that smaller tiles are centered to larger tiles;
 - 17 o check that smaller tiles are centered to larger tiles;
- 17 ▪ try to ascertain if the rows of tile were set plumb.

18 When tiles are tilted during installation the grout joint width can be altered. A similar effect may be seen if
19 the grout material extends onto the face of the tile. All of the above conditions are installation related.

20
21 For additional information refer to the latest version of *ANSI A108.02 General Requirements; Materials, Environmental, and Workmanship*. Manufacturer's tolerances should also be taken into account.

22 **8.1 Buckling/Tenting**

23 The laminate flooring has separated or lifted from the subfloor.
24

25 **8.2.5 Porosity**

26 Pinholes in the wear layer/cap sheet that hold contaminants, such as soiling.
27

28 **8.8 Proud/Raised Edge(s)**

29 A condition where one edge of a plank/tile is higher than an adjacent plank/tile, when assembled.
30

31 **8.9.1 Micro-chipping**

32 Small continuous chips on the edge of a plank that usually appear white in color.
33

34 **8.11.1 Crook (Banana Boards)**

35 The distortion that occurs within a plank that has a deviation in a direction perpendicular to the edge, from
36 a straight line from end to end of the piece.
37

38 **8.11.2 Concave Bowing**

39 A condition in laminate flooring where the edges of the material are raised higher than the center (similar
40 to cupping).
41

42 **8.11.3 Convex Bowing**

43 A condition in laminate flooring where the edges of the material are lower than the center (similar to
44 crowning).
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9.1.1 Warpage

A concave or convex curvature of a tile so that the surface is not perfectly flat.

9.1.6 Crazeing

The cracking which occurs in fired glazes or other ceramic coatings due to critical tensile stresses.

9.1.10 Lippage

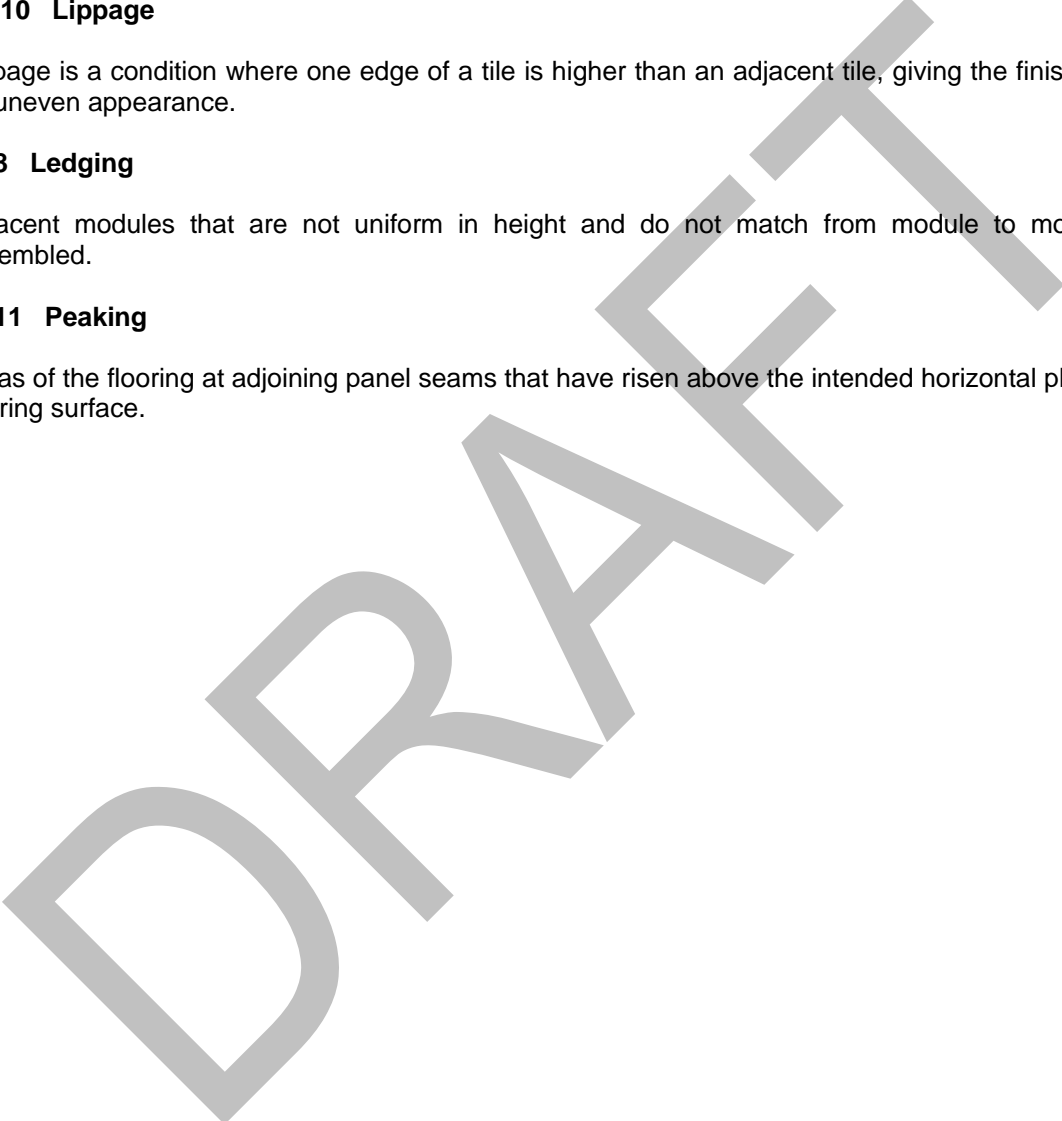
Lippage is a condition where one edge of a tile is higher than an adjacent tile, giving the finished surface an uneven appearance.

10.8 Ledging

Adjacent modules that are not uniform in height and do not match from module to module, when assembled.

10.11 Peaking

Areas of the flooring at adjoining panel seams that have risen above the intended horizontal plane of the flooring surface.



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BIFMA e3 Furniture Sustainability Standard

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6 Environmental Impacts

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6.4.2.4 Hazardous Waste Reduction

The applicant shall receive one product point if it demonstrates at least a 2% reduction of hazardous waste per product from the gate-to-gate product inventory created in the credit above.

NOTE 1 — Credit 6.4.2.3 is not a prerequisite for this credit.

NOTE 2 — Credit is earned if there is no hazardous waste generated by processes associated with manufacturing the product within the gate-to-gate boundary as specified in section 4 of this standard.

For surveillance audits, the applicant shall retain the point if hazardous waste per product ~~remains are~~ at least 2% below inventory level.

For recertification, the applicant shall retain the point if hazardous waste per product is ~~below industry average~~ reduced an additional 2% from the inventory level submitted during the previous certification period or is below the established BIFMA e3 industry average.

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6.4.4.2 Process Water/Wastewater Discharge Reduction

The applicant shall receive one product point if it demonstrates a 2% reduction of water consumption per product from the gate-to-gate inventory baseline.

For surveillance audits, the applicant shall retain the point if hazardous waste per product ~~remains are~~ at least 2% below inventory level.

For recertification, the applicant shall retain the point if hazardous waste per product is ~~below industry average~~ reduced an additional 2% from the inventory level submitted during the previous certification period or is below the established BIFMA e3 industry average.

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Revision to ANSI/BIFMA e3 – 2019
Issue 24 Revision 1 (September 2020)

NOTE 1 — Credit 6.4.4.1 is not a prerequisite for this credit.

NOTE 2 — Credit is earned if there is no water generated by processes associated with manufacturing the product within the gate-to-gate boundary as specified in section 4 of this standard.

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6.6.1.3 Transportation Energy Inventory and Primary/Secondary Data Submittal

The applicant shall receive two product points for developing an inventory of inbound (gate-to-gate) and outbound travel associated with the assessed product resulting in ~~absolute~~ **average** ton-miles and ton-mile per product, and submitting the data toward development of industry-wide datasets.

The inventory shall:

- a) provide a general description of operations included in the inventory;
- b) specify whether the assessment is of the applicant's own facilities, and/or facilities operated supplier;
- c) specify which data comes from primary and/or secondary sources; and
- d) be submitted in the format specified in Annex A of this standard.

Once earned, the credit applies for the period of certification. For recertification, the applicant shall retain the point when a new inventory is submitted

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6.6.2.1 5% Reduction

The applicant shall receive one product point for reducing the product's embodied energy by 5% from the baseline established for the product in the credit above.

For surveillance audits, the applicant shall retain the point if hazardous waste per product ~~remains~~ **are** at least 2% below inventory level.

For recertification, the applicant shall retain the point if hazardous waste per product is ~~below industry average~~ **reduced an additional 2% from the inventory level submitted during the previous certification period or is below the established BIFMA e3 industry average.**

6.6.2.2 10% Reduction

The applicant shall receive one additional point for reducing the product's embodied energy by 10% from a baseline established for the product.

For surveillance audits, the applicant shall retain the point if hazardous waste per product ~~remains~~ **are** at least 2% below inventory level.

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Revision to ANSI/BIFMA e3 – 2019
Issue 24 Revision 1 (September 2020)

For recertification, the applicant shall retain the point if hazardous waste per product is ~~below industry average~~ reduced an additional 2% from the inventory level submitted during the previous certification period or is below the established BIFMA e3 industry average.

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Revision to NSF/ANSI 40-2019
 Issue 38 Revision 1 (September 2020)

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NSF/ANSI Standard
 For Wastewater Technology –

Residential Wastewater Treatment Systems (NSF/ANSI 40)

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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 1.2 m (47 inches) above the ground surface, 6.00 m (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 1.2 m (47 inches) above the ground surface, 1.0 m (39 inches) in four directions, at 90, 180, 270, and 360° from the system and its appurtenances shall not exceed 60 dbA.

Measure the background noise level with all electrical and mechanical components of the system off. Minimize background noise to less than 50 dBA if possible. If needed, correct the final operating noise level for high background noise according to the following table.

Table 5.1
Correction chart for sound level readings

Difference between total and background sound readings in dbA	Number to subtract from total to yield corrected noise level
0-2	reduce background levels
3	3
4-5	2
6-10	1
>10	0

When the system operating noise level is less than 60 dB, no correction is required

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Revision to NSF/ANSI 40-2019
 Issue 38 Revision 1 (September 2020)

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NSF/ANSI Standard
 For Wastewater Technology –

Non-liquid Saturated Treatment Systems (NSF/ANSI 41)

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5.3 Noise

When installed according to the manufacturer’s instructions, the system shall not produce excessive continuous noise. Any continuous noise associated with mechanical components, measured at a distance of 1 m (3.3 ft) in all directions from the system, shall not exceed 60 dbA.

Measure the background noise level with all electrical and mechanical components of the system off. Minimize background noise to less than 50 dBA if possible. If needed, correct the final operating noise level for high background noise according to the following table.

Table 5.1
Correction chart for sound level readings

Difference between total and background sound readings in dbA	Number to subtract from total to yield corrected noise level
0-2	reduce background levels
3	3
4-5	2
6-10	1
>10	0

When the system operating noise level is less than 60 dB, no correction is required

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NSF/ANSI Standard
 for Wastewater Technology –

Evaluation of Components and Devices Used in Wastewater Treatment Systems (NSF/ANSI 46)

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13 Ozone generation devices

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13.3 Design and construction

All ozonation systems shall comply with the requirements of Sections 14.3 through 14.5.

13.3.1 Noise

When installed according to the manufacturer's instructions, the ozonation system shall not produce excessive noise. Noise associated with operation, measured at 1.2 m (4 ft) above the ground surface, 6 m (20 ft) in four directions, at 90, 180, 270, and 360 degrees from the ozonation system and its appurtenances, shall not exceed 60 dbA.

Measure the background noise level with all electrical and mechanical components of the system off. Minimize background noise to less than 50 dBA if possible. If needed, correct the final operating noise level for high background noise according to the following table.

Table 5.1
Correction chart for sound level readings

Difference between total and background sound readings in dbA	Number to subtract from total to yield corrected noise level
0-2	reduce background levels
3	3
4-5	2
6-10	1
>10	0

When the system operating noise level is less than 60 dB, no correction is required

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Revision to NSF/ANSI 40-2019
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NSF/ANSI Standard
 for Wastewater Technology –

Residential Wastewater Treatment Systems –
 Nitrogen Reduction (NSF/ANSI 245)

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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 1.2 m (47 in) above the ground surface, 6.00 m (236 in) 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 1.2 m (47 in) above the ground surface, 1.0 m (39 in) in four directions, at 90, 180, 270, and 360° from the system and its appurtenances shall not exceed 60 dbA.

Measure the background noise level with all electrical and mechanical components of the system off. Minimize background noise to less than 50 dBA if possible. If needed, correct the final operating noise level for high background noise according to the following table.

Table 5.1
Correction chart for sound level readings

Difference between total and background sound readings in dbA	Number to subtract from total to yield corrected noise level
0-2	reduce background levels
3	3
4-5	2
6-10	1
>10	0

When the system operating noise level is less than 60 dB, no correction is required

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Revision to NSF/ANSI 40-2019
 Issue 38 Revision 1 (September 2020)

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NSF/ANSI Standard
 for Wastewater Technology –

Onsite Residential and Commercial Water Reuse Treatment Systems (NSF/ANSI 350)

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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 1.2 m (47 in) above the ground surface, 6.00 m (236 in) 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 1.2 m (47 in) above the ground surface, 1.0 m (39 in) in four directions, at 90, 180, 270, and 360° from the system and its appurtenances shall not exceed 60 dBA.

Measure the background noise level with all electrical and mechanical components of the system off. Minimize background noise to less than 50 dBA if possible. If needed, correct the final operating noise level for high background noise according to the following table.

Table 5.1
Correction chart for sound level readings

Difference between total and background sound readings in dBA	Number to subtract from total to yield corrected noise level
0-2	reduce background levels
3	3
4-5	2
6-10	1
>10	0

When the system operating noise level is less than 60 dB, no correction is required

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Tracking number 18i18r1
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Revision to NSF/ANSI 18-2016
Issue 18, Revision 1 (October 2020)

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NSF/ANSI Standard
for Food Equipment –

Manual Food and Beverage Dispensing Equipment

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5 Design and construction

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5.1.3 Food zones shall be readily accessible and easily cleanable or shall be designed for ~~in-place cleaning~~ **CIP** when a readily accessible design is not feasible.

5.1.4 Food zones for which ~~in-place cleaning~~ **CIP** is intended shall be designed and manufactured so that cleaning and sanitizing solutions may be circulated or passed throughout the fixed system. The design shall ensure that cleaning and sanitizing solutions contact all food contact surfaces. The system shall be self-draining or capable of being completely evacuated. Equipment and appurtenances designed for ~~in-place cleaning~~ **CIP** shall have a section of the cleaned area accessible for inspection or shall provide for other acceptable inspection methods. The manufacturer shall provide written instructions for the cleaning and sanitizing of all food zone surfaces for which ~~in-place cleaning~~ **CIP** is intended. The type and concentration of sanitizing agent recommended in the instructions by the manufacturer shall comply with 40 CFR §180.940. Error! Bookmark not defined.

NOTE — ~~in-place cleaning~~ **CIP** procedures are not required for oil distribution systems that only circulate fresh, edible oil throughout the fixed system.

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5.22 Food dispensing pumps

The entire pump assembly shall be easily cleanable. The assembly includes all valves and springs. Food dispensing pumps designed as a closed system may be cleaned by way of ~~an in-place cleaning (IPC)~~ a **CIP** method.

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6 Performance

6.1 Cleaning and sanitization procedures

6.1.1 Performance requirement

Cleaning and sanitization procedures recommended by the manufacturer shall effectively clean and sanitize food contact surfaces.

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Revision to NSF/ANSI 18-2016
Issue 18, Revision 1 (October 2020)

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NOTE — This requirement applies to manual cleaning and sanitizing procedures and to ~~in-place cleaning~~ CIP and sanitizing procedures recommended by the manufacturer.

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6.1.2.2 The equipment shall be operated so that food contact surfaces are exposed to the *E. coli* suspension. The equipment shall then be cleaned in place according to the manufacturer's instructions and refilled with sterile buffered dilution water (SBDW). The SBDW shall be dispensed and five 100 mL samples shall be collected at intervals from the start of the dispensing until the unit is empty. When adequate sample volumes cannot be realized, more SBDW shall be added accordingly. The equipment shall then be operated so that food contact surfaces intended for ~~in-place cleaning~~ CIP are exposed to the SBDW. Sufficient SBDW shall then be dispensed. The challenge organisms present in each sample shall be collected and enumerated using the Standard Total Coliform Membrane Filter Procedure in accordance with APHA's *Standard Methods for the Examination of Water and Wastewater*. Error! Bookmark not defined.

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6.4.1.2.1.2 Dynamic barrier test

NOTE — The mixing chambers in these devices are designed to have a liquid flush system to be used for either product dilution or ~~in-place cleaning~~ CIP of the mixing chamber.

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Annex A (normative)

Methods for preparing and analyzing ~~in-place cleaning~~ CIP bacteria surrogate

A.1 Summary

E. coli is used as the challenge organism for the ~~in-place cleaning~~ CIP test. Presented in this annex are the methods used for suspension preparation, controls, and analysis of the challenge organism.

***Rationale:** The Conference for Food Protection has requested considerations be made for modifying NSF/ANSI Standards cleaning terminology to align with the terminology used in the FDA Food Code. The term in-place cleaning currently used in the NSF Standards is requested to be replaced with the term CIP used in the FDA Food Code. The concept of CIP as defined in the Food Code is currently being applied in the NSF/ANSI Standards under the different term in-place cleaning. The alignment of terminology will provide consistency in the industry.*

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NSF/ANSI Standard
For Wastewater Technology –

Residential Wastewater Treatment Systems

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8.4 Analytical descriptions

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8.4.2 Color, odor, oily film, and foam

8.4.2.1 General

~~The effluent composite samples shall be diluted 1:1000 with distilled water. Three composite effluent samples shall be tested during the 6 month evaluation period.~~

8.4.2.2 Color

The apparent color of ~~the~~ **an undiluted effluent samples** shall be determined with the visual comparison method described in **Method 2120 B of *Standard Methods***.

8.4.2.3 Odor

~~A panel consisting of at least five evaluators shall qualitatively rate 200 mL aliquots of the diluted effluent samples as offensive or nonoffensive when compared to odor-free water prepared in accordance with *Standard Methods*.~~

The odor of undiluted effluent samples shall be determined by a panel consisting of at least 5 evaluators tested in accordance with Method 2150 B of *Standard Methods*.

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8.5 Criteria

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8.5.2 Class I systems

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The following criteria shall be met in order for a system to be classified as a Class I residential wastewater treatment system.

All requirements for each parameter shall be achieved except as provided for in Section 8.5.2.2.

NOTE— Sections 8.5.1.3, 8.5.1.4, and 8.5.1.5 are testing minimums. These minimums shall be attained to be considered a valid test.

Rationale – “shall” statements cannot be in informative notes.

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8.5.2.3 Color, odor, oily film, and foam

8.5.2.3.1 Color

The color rating of each of the three undiluted composite effluent samples shall be reported. There are no criteria that these values shall meet.

8.5.2.3.2 Odor

~~The overall rating of each of the three diluted composite effluent samples shall be nonoffensive.~~ The odor rating of each of the three undiluted composite effluent samples shall be reported. There are no criteria that these values shall meet.

BSR/UL 444, Standard for Safety for Communications Cables

For your convenience in review, proposed additions to existing requirements are shown underlined and proposed deletions are shown ~~lined-out~~.

1. Introduction of Optional Suffixes HF, LSHF and ST1

RATIONALE

Proposal submitted by: Anthony Tassone, UL LLC

The revisions introduce optional suffixes for Halogen Free "HF" and Low Smoke Halogen Free "LSHF" for wire and cable constructions that comply with the requirements. In addition to avoid confusion between the different "LS" suffixes, and for consistency among wire and cable standards, it is being proposed that cables meeting the limited smoke requirements be designated by the suffix "-ST1".

PROPOSAL

8.3.3 Flame test classification

8.3.3.1 Cables shall be marked as follows:

- a) CMP – for cables meeting CSA FT6 or NFPA 262;
- b) CMR – for cables meeting the requirements for flame propagation and maximum exposure temperature described in UL 1666;
- c) CMG – for cables meeting CSA FT4 or FT4/IEEE 1202 type of flame exposure (without smoke measurements) in UL 1685 or the Vertical flame test (Method 2-FT4) in CSA C22.2 No. 2556 or UL 2556;
- d) CM or cross-connect – for cables meeting UL flame exposure (without smoke measurements) in UL 1685 or the Vertical flame test (Method 1 – Vertical tray) in CSA C22.2 No. 2556 or UL 2556;
- e) CMX or CMUC – for cables meeting the VW-1 test specified in CSA C22.2 No. 2556 or UL 2556
- f) CMH – for cables meeting vertical flame/FT1 test of CSA C22.2 No. 2556 or UL 2556.

8.4 Optional marking

8.4.7 Limited Smoke

8.4.7.1 In United States, the optional designation "ST1" (signifying limited smoke) may be added as a suffix or immediately following the letters for types CM or CMR or cross-

connect that comply with the fire and smoke requirements in the ST1 limited smoke (Method 1 – Vertical Tray) requirements in CSA C22.2 No. 2556 or UL 2556.

In Canada, this requirement does not apply.

8.4.7.2 The optional designation “FT4-ST1” (signifying limited smoke) may be added following the letters for type CMG that complies with the fire and smoke requirements in the ST1 limited smoke (Method 2 – FT4) in CSA C22.2 No. 2556 or UL 2556.

8.4.8 In the United States, the “HF” suffix may be added to designate cable where all of the combustible materials used in the construction (e.g., insulation, fillers, jackets) are halogen-free in accordance with UL 2885, “Outline of Investigation for Acid Gas, Acidity and Conductivity of Combusted Materials and Assessment of Halogens”.

In Canada, the marking “HALOGEN-FREE” or “HAL-FREE” may be added to designate cable where all of the combustible materials used in the construction (e.g., insulation, fillers, jackets) are halogen-free as determined by:

a) X-ray fluorescence or by analysis of the chemical composition of all combustible materials used. Each component shall have less than 0.2 percent (by weight) of halogen elements (Chlorine, Bromine); and

b) The acid gas generation of the combustible materials used shall not exceed 2.0 percent when tested in accordance with the Acid gas emission test (Method 2) in CSA C22.2 No. 2556.

8.4.9 In the United States, the “LSHF” suffix may be added to designate cable that meets the “-HF” requirements and also complies with the requirements for low smoke when tested in accordance with IEC 61034-2, “Measurement of Smoke Density of Cables Burning Under Defined Conditions - Part 2: Test Procedure and Requirements”.

In Canada, this requirement does not apply.

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2. Use of an Additional 14 AWG Conductor in a Multi-conductor Communications Cable

RATIONALE

Proposal submitted by: Anthony Tassone, UL LLC

There are applications where cables are routed between switchboards of industrial machines and there is a need to provide grounding/bonding of the products in addition to providing the Communication Circuit.

In such applications, a communication cable such as type CM would need to include an integral 14AWG or larger size conductor to provide grounding/bonding in addition to the other conductors used for the Communication circuit which are permitted to be smaller than 14AWG. Additionally, a grounding conductor of 14 AWG or larger is permitted for installation in accordance with the NEC (NFPA 70 800.100).

PROPOSAL

5.2.1 Each conductor shall be insulated with one or more continuous layers of solid and/or expanded material. The insulation shall be uniform and shall not have any defects (bubbles, open spots, rips, tears, cuts, or foreign material) that are visible without magnification to normal or corrected-to-normal vision. The average thickness of the insulation and the minimum thickness at any point of the insulation are not specified. The average thickness of insulation used, including the average thickness of the tube portion of an air-gap coaxial member, shall be determined by means of an optical device. The method for measuring the thickness of insulation and for rounding off the results shall be as described in Clause 7.15.

Note – A single 14 – 6 AWG bare grounding conductor used in a cable other than a coaxial cable does not need to be insulated.

8.3.9 Cables with Grounding Conductor

8.3.9.1 Other than a coaxial cable, a cable employing a single 14 – 6 AWG grounding conductor in addition to the conductors used for the communications circuit, the following wording shall be provided:

“XX AWG green insulated conductor for equipment grounding only”, or;

“XX AWG green/ yellow insulated conductor for equipment grounding only”, or;

“XX AWG bare conductor for equipment grounding only”.

The XX shall be filled in with the AWG size.

9 Marking on Tag, Reel, or Carton

9.1 General requirements

9.1.8 For a cable, other than a coaxial cable, employing 15 – 6 AWG copper conductors, the following wording shall be provided: “For use in audio applications only.”

9.1.9 For a cable other than a coaxial cable employing a single 14 – 6 AWG grounding conductor in addition to the conductors used for the communications circuit, the following wording shall be provided:

“XX AWG green insulated conductor for equipment grounding only”, or;

“XX AWG green/yellow insulated conductor for equipment grounding only”, or;

“XX AWG bare conductor for equipment grounding only”.

The XX shall be filled in with the AWG size and only the type of grounding conductor used, such as green, needs to be identified.

Table 4
Conductor metal and application
(See Clause 5.1.6.)

Conductor metal	Conductor size (AWG)	Application
Copper	30-16*	Multiple-conductor or Coaxial Cable
Copper	30-16	Cross-connect Wire (Cable)
Copper	15-6	Coaxial or Audio Cable
Copper-clad steel or Copper-clad aluminum	30-6	Coaxial Cable only
* <u>Conductors 14 – 6 AWG are permitted to be used as an additional single conductor in a cable provided the cable is marked as described in 8.3.9.1 and 9.1.9.</u>		

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3. Criteria for FT6 flame test classification

RATIONALE

Proposal submitted by: Evangeline Cometa, CSA

There have been questions about the criteria for the FT6/CMP marking in C22.2 No. 214. The requirements are not currently specified in the standard, although it is stated in Annex A of NFPA 262, but it is a non-mandatory annex.

PROPOSAL

7.14 Flame and smoke requirements

7.14.1 Type CMP shall comply with the ~~flame propagation and smoke density limits stated in Appendix A of NFPA 262~~ test for flame travel and smoke of wires and cables for use in air-handling spaces described in NFPA 262. The maximum flame spread distance shall not exceed 1.52 m (5 ft). The maximum peak optical density of smoke shall not exceed 0.50 and the average optical density shall not exceed 0.15. Cables meeting this criteria shall be deemed to meet the criteria for FT6 flame test classification.

UL 541

October 16, 2020

BSR/UL 541 Standard for Safety For Refrigerated Vending Machines**1. 1. Proposed Revision To Installation Instructions For Vending Machines Having Flammable Refrigerant****PROPOSAL**

SA6.2.3 The installation and operating instructions shall indicate that:

- a) That ~~C~~ component parts shall be replaced with like components;
- b) That ~~S~~ servicing shall be done by factory authorized service personnel, so as to minimize the risk of possible ignition due to incorrect parts or improper service; ~~and~~
- c) A ~~That~~ a vending machine having a flammable refrigerant shall not be intended for use in lobbies or locations of egress, such as a hallway or public corridor, if the vending machine flammable refrigerant charge amount exceeds three times the refrigerant lower flammable limit (3 x LFL) as expressed in kilograms per cubic meter (kg/m³); and,
- d) The refrigerant lower flammable limit for the kind of refrigerant specified on the vending machine nameplate.

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BSR/UL 588, Standard for Safety for Seasonal and Holiday Decorative Products

1. Class 2 Circuit Driver Clarification

18 Class 2 Circuits

18.1 A Class 2 circuit shall be derived from the output of:

- a) ~~A Class 2 transformer which complies with the applicable requirements in the Standard for Low Voltage Transformers—Part 1: General Requirements, UL 5085-1, and the Standard for Low Voltage Transformers—Part 3: Class 2 and Class 3 Transformers, UL 5085-3; or~~
- b) ~~A Class 2 power unit which complies with the applicable requirements in the Standard for Class 2 Power Units, UL 1310; or~~
- c) ~~A power unit which complies with the applicable requirements for a limited power source (LPS) in the Standard for Information Technology Equipment—Safety—Part 1: General Requirements, UL 60950-1; or~~
- d) ~~A power unit which complies with the applicable requirements for a limited power source (LPS) in the Standard for Audio/Video, Information and Communication Technology Equipment—Part 1: Safety Requirements, UL 62368-1; or~~
- e) an LED Driver for non-integral LED lighting strings that complies with the applicable requirements in the Outline of Investigation for Seasonal Use LED Drivers and Non-Integral LED Lighting Strings, UL 2749.

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BSR/UL 746A, Standard for Safety for Polymeric Materials – Short Term Property Evaluations

1. Test Program for Metallic Pigment in Polymer Variation in UL 746A

Note from the STP Project Manager: Table 9.1 that appears in this proposal does not represent the entire table. This proposal only shows the parts of Table 9.1 that include the proposed additions to the table.

Table 9.1

Test considerations based upon compound variations

Additive	Addition		Deletion		Replacement ⁽⁵⁾		Change in Level ⁽⁶⁾		
	(absolute %)	Table 9.2	(absolute %)	Table 9.2	(absolute %)	Table 9.2	(absolute %)	(normalized %)	Table 9.2
Metallic Pigment ⁽¹⁰⁾	≤5	A7E	Any	A7E	Any	A7E	≤5	=	A7E ⁹
	>5	ADE					>5	=	ADE ⁹
Footnotes									
⁽¹⁰⁾ DS and CTI tests must show comparable performance with that of original formulation for this row of the table to be used for the polymer variation. If found different, then the conductive material row of this table shall be used for this variation.									

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