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American National Standards

Call for comment on proposals listed

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

Ordering Instructions for "Call-for-Comment" Listings

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

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

* Standard for consumer products

Comment Deadline: August 18, 2019

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

Addenda

BSR/ASHRAE Addendum b to ASHRAE Standard 52.2-201x, Method of Testing General Ventilation Air Cleaning Devices for Removal Efficiency by Particle Size (addenda to ANSI/ASHRAE Standard 52.2-2012)

The goal of this addendum is to give the end user a simple method to select a filter based on an estimated percent removal efficiency for PM1, PM2.5, and PM10 depending on which they need.

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

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

BSR/ASHRAE Addendum i to ASHRAE Standard 90.4-201x, Energy Standard for Data Centers (addenda to ANSI/ASHRAE Standard 90.4-2016)

Addendum i to Standard 90.4-2016 updates the normative references to replace 90.1-2016 with 90.1-2019. This update supports recent alignment efforts between the two standards that will go into effect in the 2019 publications.

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

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

Home Innovation (Home Innovation Research Labs)

Revision

BSR/ICC/ASHRAE 700-201x, National Green Building Standard (revision of ANSI/ICC/ASHRAE 700-2015)

The provisions of this Standard shall apply to design, construction, alteration, enlargement, and renovation of (1) all residential buildings, (2) residential portions of mixed-use buildings, or (3) mixed-use buildings where the residential portion is greater than 50 percent of the gross floor area. This Standard shall also apply to subdivisions, building sites, buildings lots, and accessory structures. For the purpose of this standard, all Group R occupancies as defined by the International Building Code and all buildings within the scope of the International Residential Code shall be considered residential. Assisted living facilities, residential board and care facilities, and group homes classified as an I-1 occupancy as defined by the International Building Code shall also be considered residential.

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

Send comments (with optional copy to psa@ansi.org) to: www.homeinnovation.com/ngbs

PLATO (Portable Lights American Trade Organization)

Revision

BSR/PLATO FL 1-201x, Flashlight - Basic Performance Standard (revision of ANSI/PLATO FL 1-2016)

The ANSI/PLATO FL1 standard covers basic performance of hand-held/portable flashlights, spotlights, and headlamps providing directional lighting. This project proposes to expand the format of the Icon Table for use with two or more settings or functions to allow manufacturers to use other formats for communicating the same performance data on the packaging to the consumer.

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

Send comments (with optional copy to psa@ansi.org) to: daviddequila@gmail.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 499-201x, Standard for Safety for Electric Heating Appliances (revision of ANSI/UL 499-2017)

This proposal for UL 499 covers: (1) Battery-operated electric heating appliances

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

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

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

This proposal for UL 1703 covers: (1) Revisions to the Reverse Current Overload Test in Section 28.

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

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

BSR/UL 60335-2-72-201x, Standard for Safety for Household and Similar Electrical Appliances - Safety - Part 2-72: Particular Requirements for Floor Treatment Machines with or without Traction Drive, for Commercial Use (revision of ANSI/UL 60335-2-72-2017)

This proposal for UL 60335-2-72 covers a proposed revision to 20.104.DV.3 and a proposed revision to 25.1DV.

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

Send comments (with optional copy to psa@ansi.org) to: Anne Marie Jacobs, (919) 549-0954, annemarie.jacobs@ul.com

Comment Deadline: September 2, 2019

AGMA (American Gear Manufacturers Association)

Reaffirmation

BSR/AGMA 2004-2008 (R201x), Gear Materials, Heat Treatment and Processing Manual (reaffirmation of ANSI/AGMA 2004-2008 (R2014))

This manual was developed to provide basic information and recommend sources of additional information pertaining to metallic gear materials, their treatments, and other considerations related to the manufacture and use of gearing.

Single copy price: \$114.00

Obtain an electronic copy from: tech@agma.org

Order from: tech@agma.org

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

BSR/AGMA 6033-2008 (R201x), Materials for Marine Propulsion Gearing (reaffirmation of ANSI/AGMA 6033-2008 (R2014))

This document identifies commonly used alloy steels, heat treatments, and inspection requirements for through-hardened, case-hardened and surface-hardened gearing for main propulsion marine service over 1500 hp.

Single copy price: \$96.00

Obtain an electronic copy from: tech@agma.org

Order from: tech@agma.org

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

BSR/AGMA 6133-2008 (R201x), Materials for Marine Propulsion Gearing - Metric Edition (reaffirmation of ANSI/AGMA 6133-2008 (R2014))

This document identifies commonly used alloy steels, heat treatments, and inspection requirements for through-hardened, case-hardened, and surface-hardened gearing for main propulsion marine service over 1100 kW.

Single copy price: \$83.00

Obtain an electronic copy from: tech@agma.org

Order from: tech@agma.org

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

BSR/AGMA 9002-C2014 (R201x), Bores and Keyways for Flexible Couplings (Inch Series) (reaffirmation of ANSI/AGMA 9002-C2014)

This standard presents inch dimensions, tolerances, and sizes for straight bores, tapered bores, single keys and keyways for unmounted industrial flexible couplings. The keys are square or rectangular. This specification includes index tolerances for multiple keyways.

Single copy price: \$68.00

Obtain an electronic copy from: tech@agma.org

Order from: tech@agma.org

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

AGMA (American Gear Manufacturers Association)**Revision**

BSR/AGMA 6002-DXX-201x, Design Guide for Vehicle Spur and Helical Gears (revision of ANSI/AGMA 6002-C2015)

This standard provides information on the design of spur and helical vehicle-power transmission gears. Included are considerations for design, material and heat treatment, determination of load capacity, mounting features, and typical design problems.

Single copy price: \$77.00

Obtain an electronic copy from: tech@agma.org

Order from: tech@agma.org

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

BSR/AGMA 6102-DXX-201x, Design Guide for Vehicle Spur and Helical Gears (Metric Edition) (revision of ANSI/AGMA 6102-C2015)

This standard provides information on the design of spur and helical vehicle power transmission gears. Included are considerations for design, material and heat treatment, determination of load capacity, mounting features, and typical design problems.

Single copy price: \$68.00

Obtain an electronic copy from: tech@agma.org

Order from: tech@agma.org

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

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

BSR/ASHRAE Standard 190-201x, Method of Testing for Rating Indoor Pool Dehumidifiers (revision of ANSI/ASHRAE Standard 190-2013)

This revision of ASHRAE Standard 190 prescribe test methods for determining the moisture removal capacity and efficiency, the pool-heating capacity, and sensible and total cooling capacity for indoor pool dehumidifiers.

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>

B11 (B11 Standards, Inc.)**Reaffirmation**

BSR B11.16 (MPIF 47)-2003 (R201x), Safety Requirements for Powder/Metal Compacting Presses (reaffirmation and redesignation of ANSI B11.16 (MPIF 47)-2003)

The requirements of this standard apply to those mechanically, hydraulically or direct-drive machines that are designed, modified, or converted for the purpose of compressing metallic or nonmetallic powders. These machines are commonly referred to as metal powder presses, powder metal presses, compacting presses, pill presses, rotary PM presses, PM briquetting presses, powder metal forging presses, metal powder sizing presses, or metal powder coining presses.

Single copy price: \$90.00

Obtain an electronic copy from: cfelinski@b11standards.org

Order from: David Felinski, (832) 446-6999, dfelinski@b11standards.org

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

CAPA (Certified Automotive Parts Association)**Revision**

BSR/CAPA 101-001-201x, Standard Test Method for Striker Retention Testing of Automotive Replacement Sheet Metal Hoods with Strikers (revision of ANSI/CAPA 101-001-2017)

To provide a test method that may be used to perform retention testing of primary strikers found on sheet metal hoods.

Single copy price: Free

Obtain an electronic copy from: www.capacertified.org

Send comments (with optional copy to psa@ansi.org) to: bernadette.kronberg@intertek.com

BSR/CAPA 201-001-201x, Standard Test Method for Full-Part Dimensional Stability Testing of Automotive Replacement Bumper Covers (revision of ANSI/CAPA 201-001-2011 (R2016))

To provide a test method that may be used to determine the dimensional stability of an automotive replacement bumper cover when exposed to cold and heat.

Single copy price: Free

Obtain an electronic copy from: www.capacertified.org

Send comments (with optional copy to psa@ansi.org) to: bernadette.kronberg@intertek.com

IAPMO (Z) (International Association of Plumbing & Mechanical Officials)

New National Adoption

BSR/IAPMO 30500/ISO 30500-201x, Nonsewered sanitation systems - Prefabricated integrated treatment units - General and performance requirements for design and testing (identical national adoption of ISO 30500)

National Adoption of ISO 30500 which covers general safety and performance requirements for design and testing as well as sustainability considerations for non-sewered sanitation systems (NSSS). An NSSS, for the purposes of this document, is a prefabricated integrated treatment unit, comprising front-end (toilet facility) and back-end (treatment facility) components that (a) collects, conveys, and fully treats the specific input within the system, to allow for safe reuse or disposal of the generated solid, liquid, and gaseous output, and (b) is not connected to a networked sewer or networked drainage systems.

Single copy price: Free

Obtain an electronic copy from: https://iapmomembership.org/index.php?page=shop.product_details&flypage=flypage_iapmo.tpl&product_id=1365&category_id=71&option=com_virtuemart&Itemid=3&redirected=1&Itemid=3&vmcchk=1&Itemid=3

Order from: Kyle Thompson, (909) 230-5534, standards@iapmostandards.org

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

IES (Illuminating Engineering Society)

New Standard

BSR/IES LM-78-201x, Approved Method: Total Luminous Flux Measurement of Lamps using an Integrating Sphere Photometer (new standard)

This document is one of a continuing series of IES Approved Methods prepared to define a baseline for acceptable photometric procedures leading to improved agreement among laboratories. This Approved Method document explains a particular technique for total flux measurement of all types of lamps and luminaires using integrating spheres. The main improvement in this document, compared to IES LM-78-2007, is the addition of spectral measurements. While most statements are written for lamps, they apply to lamps and luminaires.

Single copy price: \$25.00

Obtain an electronic copy from: pmcgillicuddy@ies.org

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

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

BSR/IES TM-201x-BIM, Lighting Practice: Building Information Management (new standard)

This Technical Memorandum recommends a standardization of parameters used in luminaire BIM content. The suggestions outlined in this document are intended to remedy synchronization issues between parameters, as well as ensure that lighting professionals are receiving the basic bits of information necessary to fulfilling their project's needs, during the many different stages of development. This document was developed by a group of professionals, known as the Illuminating Engineering Society Committee, dedicated to the continued development and improvement of building information management.

Single copy price: \$25.00

Obtain an electronic copy from: pmcgillicuddy@ies.org

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

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

ISA (International Society of Automation)

New Standard

BSR/ISA 96.01.01-201x, Valve Actuator Terminology (new standard)

This standard contains terminology for valve actuators and their accessories.

Single copy price: \$50.00

Obtain an electronic copy from: ebrazda@isa.org

Order from: Eliana Brazda, (919) 990-9228, ebrazda@isa.org

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

BSR/ISA 96.03.04-201x, Guidelines for the Specification of Linear Piston Pneumatic Actuators (new standard)

This standard provides general requirements for the development of specifications for piston-type, linear pneumatic valve actuators for on/off applications, which shall simply be referred to as linear pneumatic actuator(s) in this document.

Single copy price: \$50.00

Obtain an electronic copy from: ebrazda@isa.org

Order from: Eliana Brazda, (919) 990-9228, ebrazda@isa.org

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

ISEA (International Safety Equipment Association)

Reaffirmation

BSR/ISEA 101-2014 (R201x), Limited-Use and Disposable Coveralls - Size and Labeling Requirements (reaffirmation of ANSI/ISEA 101-2014)

This standard provides requirements for finished dimensions, labeling and packaging for limited-use and disposable coveralls. It also provides guidance on selecting the appropriate garment size for the wearer.

Single copy price: \$10.00/copy

Obtain an electronic copy from: cfargo@safetysafetyequipment.org

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

LIA (ASC Z136) (Laser Institute of America)

Revision

BSR Z136.8-201x, Standard for Safe Use of Lasers in Research, Development, or Testing (revision of ANSI Z136.8-2012)

This standard provides recommendations for the safe use of lasers and laser systems that operate at wavelengths between 180 nm and 1 mm and are used to conduct research or used in a research, development, or testing environment. This environment is not limited to universities and national laboratories, but includes medical research facilities and high-tech product development and evaluation settings.

Single copy price: \$30.00 (PDF Only)

Obtain an electronic copy from: <https://www.lia.org/store/product/z1368-safe-use-lasers-research-development-or-testing-draft-public-review>

Order from: Liliana Caldero, (407) 380-1553, lcaldero@lia.org

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

NEMA (ASC C136) (National Electrical Manufacturers Association)

Revision

BSR C136.24-201x, Roadway and Area Lighting Equipment - Nonlocking (Button) Type Photocontrols (revision of ANSI C136.24-2005 (R2010))

This standard covers the electrical and mechanical interchangeability of nonlocking type photocontrols for mounting within a roadway or off-roadway luminaire, called "controls" in this standard. These controls are commonly called "button" photocontrols.

Single copy price: \$64.00

Obtain an electronic copy from: David.Richmond@nema.org

Order from: David Richmond, (703) 841-3234, David.Richmond@nema.org

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

TIA (Telecommunications Industry Association)

Revision

BSR/TIA 568.0-E-201x, Generic Telecommunications Cabling for Customer Premises (revision and redesignation of ANSI/TIA 568.0-D-2015)

This standard is nearing the 5-year mark and should be reviewed for content; updating to incorporate current standards and best practice. This Standard specifies requirements for generic telecommunications cabling. It specifies requirements for cabling system structure, topologies and distances, installation, performance, and testing. Adding content from Addendum 1 and incorporating additional updates, including content regarding 28AWG patch cords.

Single copy price: \$133.00

Obtain an electronic copy from: standards@tiaonline.org

Order from: TIA; standards@tiaonline.org

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

BSR/TIA 568.1-E-201x, Commercial Building Telecommunications Cabling Standard (revision and redesignation of ANSI/TIA 568.1-D-2015)

This standard is nearing the 5-year mark and should be reviewed for content; updating to incorporate current standards and best practice. This Standard specifies requirements for telecommunications cabling within a commercial building and between commercial buildings in a campus environment. It defines terms, specifies cabling topology, lists cabling requirements, establishes cabling distances, sets telecommunications outlet/connector configurations and provides additional useful information. Adding content from Addendum 1 and incorporating additional updates, including content regarding 28AWG patch cords.

Single copy price: \$103.00

Obtain an electronic copy from: standards@tiaonline.org

Order from: TIA; standards@tiaonline.org

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

UL (Underwriters Laboratories, Inc.)

New Standard

BSR/UL 1008M-201x, Standard for Safety for Transfer Switch Equipment, Meter Mounted (new standard)

This proposal for UL 1008M covers: (1) The Proposed First Edition of the Standard for Transfer Switch Equipment, Meter Mounted, UL 1008M

Single copy price: Free

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

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

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

UL (Underwriters Laboratories, Inc.)

Reaffirmation

BSR/UL 346-2005 (R201x), Standard for Safety for Waterflow Indicators for Fire-Protective Signaling Systems (reaffirmation of ANSI/UL 346-2005 (R2014))

Reaffirmation of the Fifth Edition of UL 346. This standard contains requirements for vane-type waterflow indicators intended for use in fire protective signaling systems employed in ordinary indoor locations in accordance with the National Fire Alarm Code, NFPA 72.

Single copy price: Free

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

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

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

BSR/UL 428B-2015 (R201x), Electrically Operated Valves for Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends with Nominal Biodiesel Concentrations Up to 20 Percent (B20), Kerosene, and Fuel Oil (reaffirmation of ANSI/UL 428B-2015)

Reaffirm the Standard for Electrically Operated Valves for Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends with Nominal Biodiesel Concentrations Up to 20 Percent (B20), Kerosene, and Fuel Oil.

Single copy price: Free

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

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

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

BSR/UL 574-2014 (R201x), Standard for Safety for Electric Oil Heaters (reaffirmation of ANSI/UL 574-2014)

These requirements cover electric oil heaters for use with Nos. 5 and 6 fuel oil as defined in Specifications for Fuel Oils, ASTM D396, or other oils such as heat transfer oils. Electric oil heaters are to be used in ordinary locations and installed in accordance with the National Electrical Code, NFPA 70.

Single copy price: Free

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

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

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

Comment Deadline: September 17, 2019

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

CSA (CSA America Standards Inc.)

New National Adoption

BSR/CSA C22.2 No. 19085-1-201x, Woodworking machines - Safety - Part 1: Common requirements (identical national adoption of ISO 19085-1)

This standard gives the safety requirements and measures to reduce risks related to woodworking machines arising during operation, adjustment, maintenance, transport, assembly, dismantling, disabling, and scrapping - common to machines used in the woodworking industry. It is applicable to woodworking, stationary, and displaceable machines when they are used as intended and under conditions foreseen by the manufacturer. It is intended to be used in conjunction with other parts of ISO 19085 series of standards, applicable to specific machine types. It is not applicable to machines intended for use in potential explosive atmospheres or machines manufactured prior to the date of its publication.

Single copy price: Free

Order from: David Zimmerman, (216) 524-4990, david.zimmerman@csagroup.org

Send comments (with optional copy to psa@ansi.org) to: david.zimmerman@csagroup.org

CSA (CSA America Standards Inc.)

New Standard

BSR/CSA C22.2 No. 184.2-201x, Solid-state controls for lighting systems (SSCLS) (new standard)

This Standard applies to permanently connected, single or multi-branch circuit, multi-circuit outputs, solid-state lighting controls rated at 600 V and less, 50 or 60 Hz, single- or three-phase, with or without overcurrent protection on the load side, with or without integral load switching devices, designed to be used as a complete solid state lighting control system for the purpose of controlling a single or multiple type of lighting loads, such as: (a) incandescent lamps; (b) magnetic ballast; (c) fluorescent, compact fluorescent, and electric discharge lamps; (d) HID (pilot duty) and electronic ballasts; (e) LED and OLED lights and drivers; and (f) 0-10 VDC analog dimming, and intended for installation in accordance with the Rules of CSA C22.1, Canadian Electrical Code, Part I and the National Electrical Code, NEC. This Standard also applies to SSCLS products mounted in a portable manner (i.e., mounted on wheels). (NOTE: "Mounted on wheels" can include wheeled mounted equipment that can be moved by one person, up to large truck- or trailer-mounted assemblies. Similarly, "mounted on skids" can include equipment that is small enough and light enough to be moved by one person, up to large or heavy units that can only be skidded with larger towing vehicles or lifted and moved with hoists or cranes.) This Standard applies to ac-rated controls for which the load rating does not exceed 40 A per circuit at a maximum 600 V. These SSCLS products may include receptacles of configuration 5-15R, 5-20R, and L5-20R, used as lighting load connection points, with access limited to qualified personnel only. These SSCLS products may include convenience receptacles, mechanical switches, dimming circuits, and other wiring devices on separate circuits. These SSCLS products may include NC or NO contacts for the purpose of controlling other general use loads rated inductive, resistive and 2HP or less. These SSCLS products may include a Class 2 power supply for the purpose of feeding power to analog or digital inputs, such as sensors.

Single copy price: Free

Order from: David Zimmerman, (216) 524-4990, david.zimmerman@csagroup.org

Send comments (with optional copy to psa@ansi.org) to: david.zimmerman@csagroup.org

FCI (Fluid Controls Institute)

Revision

BSR/FCI 99-3-201x, Backpressure Regulator Capacity (revision of ANSI/FCI 99-3-2012)

This standard provides a method for establishing and reporting back pressure regulator capacities for use by manufacturers, users, specifiers, and approval bodies in order to promote consistent presentation of back pressure regulator or surplusing valve capacities. This standard does not apply to safety relief valves.

Single copy price: Free

Obtain an electronic copy from: fci@fluidcontrolsinstitute.org

Order from: fci@fluidcontrolsinstitute.org

Send comments (with optional copy to psa@ansi.org) to: Leslie Schraff, fci@fluidcontrolsinstitute.org

Projects Withdrawn from Consideration

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

EOS/ESD (ESD Association, Inc.)

BSR/ESD SP5.6-201x, ESD Association Standard Practice for Electrostatic Discharge Sensitivity Testing - Human Metal Model (HMM) - Component Level (revision of ANSI/ESD SP5.6-2010)

This document establishes the procedure for testing, and characterizing the electrostatic discharge (ESD) sensitivity of component pins that will be directly connected to external connectors or ports on a completed system. This method is not intended for ESD testing of device, module, or component pins that do not directly connect to a system port or connector. This document covers testing under un-powered and powered states but does not cover testing of integrated circuits in a functioning state. For the purposes of this document, the HMM test pulse will be modeled after the contact discharge defined by the IEC 61000-4-2 document.

Inquiries may be directed to Christina Earl, (315) 339-6937, cearl@esda.org

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

BSR/ASSE Series 17000-201x, Professional Qualifications Standard for the Mechanical Inspector (revision of ANSI/ASSE Series 17000-2012)

This standard applies to an individual who inspects mechanical systems.

Inquiries may be directed to Marianne Waickman, (708) 995-3015, marianne.waickman@asse-plumbing.org

Notice of Withdrawn ANS by an ANSI-Accredited Standards Developer

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

EOS/ESD (ESD Association, Inc.)

ANSI/ESD SP5.6-2010, ESD Association Standard Practice for the Electrostatic Discharge Sensitivity Testing - Human Metal Model (HMM) - Component Level

Questions may be directed to: Christina Earl, (315) 339-6937, cearl@esda.org

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

ANSI/ASSE Series 17000-2012, Professional Qualifications Standard for the Mechanical Inspector

Questions may be directed to: Marianne Waickman, (708) 995-3015, marianne.waickman@asse-plumbing.org

Call for Members (ANS Consensus Bodies)

Directly and materially affected parties who are interested in participating as a member of an ANS consensus body for the standards listed below are requested to contact the sponsoring standards developer directly and in a timely manner.

FCI (Fluid Controls Institute)

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

BSR/FCI 99-3-201x, Backpressure Regulator Capacity (revision of ANSI/FCI 99-3-2012)

GBI (Green Building Initiative)

Office: PO Box 80010
Portland, OR 97280
Contact: Emily Marx
Phone: (503) 274-0448
E-mail: marx@thegbi.org

BSR/GBI 02-201x, Green Globes Assessment Protocol for Existing Buildings (new standard)

IES (Illuminating Engineering Society)

Office: 120 Wall Street, Floor 17
New York, NY 10005
Contact: Patricia McGillicuddy
Phone: (917) 913-0027
E-mail: pmcgillicuddy@ies.org

BSR/IES LM-28-201x, Approved Method: Guide for the Selection, Care and Use of Electrical Instruments in the Photometric Laboratory (new standard)

BSR/IES LM-78-201x, Approved Method: Total Luminous Flux Measurement of Lamps using an Integrating Sphere Photometer (new standard)

BSR/IES RP-xx-H-201x, Recommended Practice: Lighting Horticultural Facilities (new standard)

BSR/IES RP-37-201x, Recommended Practice: Lighting Airport Outdoor Environments (new standard)

BSR/IES TM-201x-BIM, Lighting Practice: Building Information Management (new standard)

ISA (International Society of Automation)

Office: 67 Alexander Drive
Research Triangle Park, NC 27709
Contact: Eliana Brazda
Phone: (919) 990-9228
E-mail: ebrazda@isa.org

BSR/ISA 96.01.01-201x, Valve Actuator Terminology (new standard)

BSR/ISA 96.03.04-201x, Guidelines for the Specification of Linear Piston Pneumatic Actuators (new standard)

ISEA (International Safety Equipment Association)

Office: 1901 North Moore Street
Suite 808
Arlington, VA 22209
Contact: Cristine Fargo
Phone: (703) 525-1695
E-mail: cfargo@safetysafetyequipment.org

BSR/ISEA 101-2014 (R201x), Limited-Use and Disposable Coveralls - Size and Labeling Requirements (reaffirmation of ANSI/ISEA 101-2014)

TIA (Telecommunications Industry Association)

Office: 1320 North Courthouse Road
Suite 200
Arlington, VA 22201
Contact: Teesha Jenkins
Phone: (703) 907-7706
E-mail: standards@tiaonline.org

BSR/TIA 568.0-E-201x, Generic Telecommunications Cabling for Customer Premises (revision and redesignation of ANSI/TIA 568.0-D-2015)

BSR/TIA 568.1-E-201x, Commercial Building Telecommunications Cabling Standard (revision and redesignation of ANSI/TIA 568.1-D-2015)

BSR/TIA 1005-A-2012 (R201x), Telecommunications Infrastructure Standard for Industrial Premises (reaffirmation of ANSI/TIA 1005-A-2012)

UL (Underwriters Laboratories, Inc.)

Office: 47173 Benicia Street
Fremont, CA 94538

Contact: Paul Lloret

Phone: (510) 319-4269

E-mail: Paul.E.Lloret@ul.com

BSR/UL 346-2005 (R201x), Standard for Safety for Waterflow
Indicators for Fire Protective Signaling Systems (reaffirmation of
ANSI/UL 346-2005 (R2014))

Call for Members (ANS Consensus Bodies)

Call for Committee Members

ASC O1 – Safety Requirements for Woodworking Machinery

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

- General Interest
- Government
- Producer
- User

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

Final Actions on American National Standards

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

ABYC (American Boat and Yacht Council)

New Standard

ANSI/ABYC P-1-2019, Installation of Exhaust Systems for Propulsion and Auxiliary Engines (new standard): 7/9/2019

Revision

ANSI/ABYC H-29-2019, Canoes and Kayaks (revision of ANSI/ABYC H-29-2012): 7/9/2019

ANSI/ABYC P-4-2019, Marine Inboard Engines and Transmissions (revision of ANSI/ABYC P-4-2012): 7/9/2019

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

Addenda

ANSI/ASHRAE/IES Addendum 90.1ch-2019, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2016): 6/27/2019

ANSI/ASRHAE/ICC/USGBC/IES 189.1f-2019, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2017): 6/27/2019

ASTM (ASTM International)

New Standard

ANSI/ASTM F3164-2019, Specification for Eye Protectors for Racket Sports (Racquetball, Squash, Tennis) (new standard): 7/1/2019

ANSI/ASTM F3383-2019, Test Method for Filament Bind of Single Fibers in Synthetic Turf (new standard): 6/25/2019

Reaffirmation

ANSI/ASTM F2679-2015 (R2019), Specification for 6 mm Projectiles Used with Airsoft Guns (reaffirmation of ANSI/ASTM F2679-2015): 6/25/2019

ANSI/ASTM F2748-2015 (R2019), Specification for Airsoft Guns (reaffirmation of ANSI/ASTM F2748-2015): 6/25/2019

Revision

ANSI/ASTM D6300-2019, Practice for Determination of Precision and Bias Data for Use in Test Methods for Petroleum Products and Lubricants (revision of ANSI/ASTM D6300-2017): 6/25/2019

ANSI/ASTM F876-2019, Specification for Crosslinked Polyethylene (PEX) Tubing (revision of ANSI/ASTM F876-2017): 7/1/2019

ANSI/ASTM F1936-2019, Specification for Impact Attenuation of Turf Playing Systems as Measured in the Field (revision of ANSI/ASTM F1936-2010 (R2015)): 7/1/2019

ANSI/ASTM F2123-2019, Practice for Treestand Instructions (revision of ANSI/ASTM F2123-2013): 6/25/2019

ANSI/ASTM F2223-2019, Guide for ASTM Standards on Playground Surfacing (revision of ANSI/ASTM F2223-2015): 7/1/2019

ANSI/ASTM F2614-2019, Specification for Condition 3 Bicycle Frames (revision of ANSI/ASTM F2614-2010 (R2014)): 6/25/2019

ANSI/ASTM F2801-2019, Practice for Paintball Player Safety Briefing (revision of ANSI/ASTM F2801-2011 (R2015)): 7/1/2019

ANSI/ASTM F2802-2019, Specification for Condition 1 Bicycle Frames (revision of ANSI/ASTM F2802-2009 (R2015)): 6/25/2019

ANSI/ASTM F2843-2019, Specification for Condition 0 Bicycle Frames (revision of ANSI/ASTM F2843-2010 (R2015)): 6/25/2019

ANSI/ASTM F2868-2019, Specification for Condition 2 Bicycle Frames (revision of ANSI/ASTM F2868-2010 (R2015)): 6/25/2019

ATIS (Alliance for Telecommunications Industry Solutions)

Revision

ANSI/ATIS 0100012-2019, Standard Outage Classification (revision of ANSI ATIS 0100012-2013): 7/15/2019

AWWA (American Water Works Association)

Revision

ANSI/AWWA B501-2019, Sodium Hydroxide (Caustic Soda) (revision of ANSI/AWWA B501-2013): 7/9/2019

ANSI/AWWA C209-2019, Tape Coatings for Steel Water Pipe and Fittings (revision of ANSI/AWWA C209-2013): 7/9/2019

BHMA (Builders Hardware Manufacturers Association)

Revision

ANSI/BHMA A156.4-2019, Standard for Door Controls - Closers (revision of ANSI/BHMA A156.4-2013): 7/9/2019

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

New Standard

ANSI/ASSE 1023-2019, Performance Requirements for Electrically Heated or Cooled Water Dispensers (new standard): 7/15/2019

IAPMO (Z) (International Association of Plumbing & Mechanical Officials)

Revision

ANSI/IAPMO Z1000-2019, Prefabricated Septic Tanks (revision of ANSI/IAPMO Z1000-2013): 7/15/2019

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

New National Adoption

INCITS/ISO/IEC 1539-1:2018 [2019], Information technology - Programming languages - Fortran - Part 1: Base language (identical national adoption of ISO/IEC 1539-1:2018 and revision of INCITS/ISO/IEC 1539-1:2010 [R2018]): 7/9/2019

INCITS/ISO/IEC 9899:2018 [2019], Information technology - Programming languages - C (identical national adoption of ISO/IEC 9899:2018 and revision of INCITS/ISO/IEC 9899:2011 [R2017]): 7/9/2019

NEMA (ASC C137) (National Electrical Manufacturers Association)

New Standard

ANSI/C137.1-2019, Zero- to Ten-Volt (0-10V) Analog Control Interface for Solid-State and Fluorescent Lighting (new standard): 7/9/2019

ANSI C137.4-2019, Standard for Digital Interface with Auxiliary Power for Devices (new standard): 7/9/2019

NFPA FIRE PROTECTION STANDARDS DOCUMENTATION

The National Fire Protection Association announces the availability of NFPA Second Draft Report for concurrent review and comment

NFPA (National Fire Protection Association)

New Standard

ANSI/NFPA 78-2019, Guide on Electrical Inspections (new standard): 6/30/2019

ANSI/NFPA 451-2019, Guide for Community Healthcare Programs (new standard): 6/30/2019

ANSI/NFPA 1078-2019, Standard for Electrical Inspector Professional Qualifications (new standard): 6/30/2019

Revision

ANSI/NFPA 2-2019, Hydrogen Technologies Code (revision of ANSI/NFPA 2-2016): 6/30/2019

ANSI/NFPA 1936-2019, Standard on Powered Rescue Tools (revision of ANSI/NFPA 1936-2015): 6/30/2019

NSF (NSF International)

Revision

ANSI/NSF 50-2019 (i153r1), Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and Other Recreational Water Facilities (revision of ANSI/NSF 50-2018): 7/8/2019

ANSI/NSF 50-2019 (i154r1), Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and Other Recreational Water Facilities (revision of ANSI/NSF 50-2017): 7/4/2019

ANSI/NSF 140-2019 (i29r1), Sustainability Assessment for Carpet (revision of ANSI/NSF 140-2015): 6/28/2019

ANSI/NSF 342-2019 (i11r1), Sustainability Assessment for Wallcovering Products (revision of ANSI/NSF 342-2014): 7/7/2019

ANSI/NSF 350-2019 (i43r1), Onsite Residential and Commercial Water Reuse Treatment Systems (revision of ANSI/NSF 350-2018): 7/10/2019

SCTE (Society of Cable Telecommunications Engineers)

Revision

ANSI/SCTE 126-2019, Test Method for Distortion of 2-Way Amplifiers Caused by Insufficient Isolation of Built In Diplex Filter (revision of ANSI/SCTE 126-2013): 7/15/2019

ANSI/SCTE 136-1-2019, Layer 2 Virtual Private Networks for IP Cable Modem Systems (revision of ANSI/SCTE 136-1-2013): 7/15/2019

ANSI/SCTE 136-2-2019, Cable Modem TDM Emulation Interface Standard (revision of ANSI/SCTE 136-2-2013): 7/15/2019

ANSI/SCTE 138-2019, Stream Conditioning for Switching of Addressable Content in Digital Television Receivers (revision of ANSI/SCTE 138-2013): 7/15/2019

ANSI/SCTE 140-2019, Cable Modem IPv4 and IPv6 eRouter Specification (revision of ANSI/SCTE 140-2013): 7/15/2019

ANSI/SCTE 149-2019, Test Method for Withstand Tightening Torque - F Female (revision of ANSI/SCTE 149-2013): 7/15/2019

ANSI/SCTE 152-2019, Test Procedure for Contact Resistance Measurement of Mainline Plug Interface (revision of ANSI/SCTE 152-2014): 7/9/2019

UL (Underwriters Laboratories, Inc.)

Reaffirmation

ANSI/UL 32-2014 (R2019), Standard for Safety for Metal Waste Cans (reaffirmation of ANSI/UL 32-2014): 6/28/2019

ANSI/UL 248-5-2005 (R2019), Standard for Safety for Low-Voltage Fuses - Part 5: Class G Fuses (reaffirmation of ANSI/UL 248-5-2005 (R2015)): 7/8/2019

ANSI/UL 248-6-2005 (R2019), Low-Voltage Fuses - Part 6: Class H Non-Renewable Fuses (reaffirmation of ANSI/UL 248-6-2005 (R2015)): 7/8/2019

ANSI/UL 248-7-2005 (R2019), Standard for Safety for Low-Voltage Fuses - Part 7: Class H Renewable Fuses (reaffirmation of ANSI/UL 248-7-2005 (R2015)): 7/8/2019

ANSI/UL 2790-2010 (R2019), Standard for Safety for Commercial Incinerators (reaffirmation of ANSI/UL 2790-2010 (R2014)): 6/12/2019

Revision

ANSI/UL 213-2019, Standard for Safety for Rubber Gasketed Fittings for Fire-Protection Service (revision of ANSI/UL 213-2018): 7/12/2019

ANSI/UL 231-2019, Standard for Safety for Power Outlets (revision of ANSI/UL 231-2016): 6/28/2019

ANSI/UL 325-2019, Standard for Safety for Door, Drapery, Gate, Louver, and Window Operators and Systems (revision of ANSI/UL 325-2017): 7/12/2019

ANSI/UL 325-2019a, Standard for Safety for Door, Drapery, Gate, Louver, and Window Operators and Systems (revision of ANSI/UL 325-2017): 7/12/2019

ANSI/UL 834-2019, Standard for Safety for Heating, Water Supply, and Power Boilers - Electric (revision of ANSI/UL 834-2018a): 7/11/2019

ANSI/UL 1699-2019, Standard for Safety for Arc-Fault Circuit-Interrupters (revision of ANSI/UL 1699-2017): 7/3/2019

ANSI/UL 1699-2019a, Standard for Safety for Arc-Fault Circuit-Interrupters (revision of ANSI/UL 1699-2017): 7/3/2019

Project Initiation Notification System (PINS)

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

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

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

APA (APA - The Engineered Wood Association)

Contact: *Borjen Yeh, (253) 620-7467, borjen.yeh@apawood.org*
7011 South 19th Street, Tacoma, WA 98466

Revision

BSR/APA 117-201x, Standard Specification for Structural Glued Laminated Timber of Softwood Species (revision of ANSI/APA 117-2015)

Stakeholders: Glulam manufacturers, distributors, designers, users, building code regulators, and government agencies.

Project Need: Update the existing standard.

This standard provides basic design information, layout combination details, and laminating lumber grading rules for structural glued laminated timber (glulam)

AWWA (American Water Works Association)

Contact: *Paul Olson, (303) 347-6178, polson@awwa.org*
6666 W. Quincy Ave., Denver, CO 80235

Revision

BSR/AWWA B130-201x, Membrane Bioreactor Systems (revision of ANSI/AWWA B130-2017)

Stakeholders: Drinking water treatment and supply industry, water and wastewater utilities, consulting engineers, and water treatment equipment manufacturers.

Project Need: The purpose of this standard is to provide a minimum set of requirements for MBR systems used for water reclamation, water recovery, and/or wastewater treatment systems.

This standard sets minimum requirements for membrane bioreactor (MBR) systems, including associated processes such as membrane aerated biofilm reactor (MABR) systems and anaerobic MBR systems, for water reclamation, water recovery, and/or wastewater treatment systems.

BSR/AWWA B201-201x, Soda Ash (revision of ANSI/AWWA B201-2018)

Stakeholders: Drinking water treatment and supply industry, water and wastewater utilities, consulting engineers, and water treatment equipment manufacturers.

Project Need: The purpose of this standard is to provide the minimum requirements for soda ash, including physical, chemical, sampling, testing, packaging, and shipping requirements.

This standard describes soda ash for use in the treatment of potable water, wastewater, or reclaimed water.

BSR/AWWA B301-201x, Liquid Chlorine (revision of ANSI/AWWA B301-2017)

Stakeholders: Drinking water treatment and supply industry, water and wastewater utilities, consulting engineers, and water treatment equipment manufacturers.

Project Need: The purpose of this standard is to provide the minimum requirements for liquid chlorine, including physical, chemical, sampling, testing, packaging, and shipping requirements.

This standard describes liquid chlorine for use in potable water, wastewater, and reclaimed water treatment.

BSR/AWWA B303-201x, Sodium Chlorite (revision of ANSI/AWWA B303-2017)

Stakeholders: Drinking water treatment and supply industry, water and wastewater utilities, consulting engineers, and water treatment equipment manufacturers.

Project Need: The purpose of this standard is to provide purchasers, manufacturers, and suppliers with the minimum requirements for sodium chlorite, including physical, chemical, sampling, packaging, shipping, and testing requirements.

This standard describes sodium chlorite, in either solid (granular, flake, or powdered) or aqueous-solution form, for use in making chlorine dioxide for use in the treatment of potable water, wastewater, and reclaimed water. Sodium chlorite must be packaged, labeled, and registered to the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) as administered by the US Environmental Protection Agency (USEPA). State regulations also apply.

BSR/AWWA B304-201x, Liquid Oxygen for Ozone Generation for Water, Wastewater, and Reclaimed Water Systems (revision of ANSI/AWWA B304-2018)

Stakeholders: Drinking water treatment and supply industry, water and wastewater utilities, consulting engineers, and water treatment equipment manufacturers.

Project Need: The purpose of this standard is to provide the minimum requirements for LOX intended for water, wastewater, and reclaimed water systems. This standard includes physical, chemical, packaging, shipping, sampling, and testing requirements.

This standard describes liquid oxygen (LOX) for use in the treatment of potable water, wastewater, or reclaimed water.

BSR/AWWA B402-201x, Ferrous Sulfate (revision of ANSI/AWWA B402-2018)

Stakeholders: Drinking water treatment and supply industry, water and wastewater utilities, consulting engineers, and water treatment equipment manufacturers.

Project Need: The purpose of this standard is to provide minimum requirements for ferrous sulfate, including physical, chemical, sampling, packaging, shipping, and testing requirements.

This standard describes ferrous sulfate (FeSO_4) in moist, dried, and solution (liquid) forms for the treatment of potable water, wastewater, or reclaimed water.

BSR/AWWA B407-201x, Liquid Ferric Chloride (revision of ANSI/AWWA B407-2018)

Stakeholders: Drinking water treatment and supply industry, water and wastewater utilities, consulting engineers, and water treatment equipment manufacturers.

Project Need: The purpose of this standard is to provide the minimum requirements for liquid ferric chloride, including physical, chemical, sampling, packaging, shipping, and testing requirements.

This standard describes ferric chloride in aqueous (liquid) form for use in the treatment of potable water, wastewater, and reclaimed water.

BSR/AWWA B408-201x, Liquid Polyaluminum Chloride (revision of ANSI/AWWA B408-2017)

Stakeholders: Drinking water treatment and supply industry, water and wastewater utilities, consulting engineers, and water treatment equipment manufacturers.

Project Need: The purpose of this standard is to provide the minimum requirements for PACl, including physical, chemical, sampling, testing, packaging, and shipping requirements.

This standard describes polyaluminum chloride (PACl) in aqueous (liquid) form for use in the treatment of potable water, wastewater, and reclaimed water.

BSR/AWWA B504-201x, Monosodium Phosphate, Anhydrous and Liquid (revision of ANSI/AWWA B504-2018)

Stakeholders: Drinking water treatment and supply industry, water and wastewater utilities, consulting engineers, and water treatment equipment manufacturers.

Project Need: The purpose of this standard is to provide the minimum requirements for monosodium phosphate, anhydrous and liquid, including physical, chemical, sampling, packaging, shipping, and testing requirements.

This standard describes monosodium phosphate, anhydrous and liquid, for use in the treatment of potable water, wastewater, and reclaimed water.

BSR/AWWA B505-201x, Disodium Phosphate, Anhydrous (revision of ANSI/AWWA B505-2018)

Stakeholders: Drinking water treatment and supply industry, water and wastewater utilities, consulting engineers, and water treatment equipment manufacturers.

Project Need: The purpose of this standard is to provide the minimum requirements for disodium phosphate, anhydrous, including physical, chemical, sampling, packaging, shipping, and testing requirements.

This standard describes disodium phosphate, anhydrous, for use in the treatment of potable water, wastewater, and reclaimed water.

BSR/AWWA B506-201x, Zinc Orthophosphate (revision of ANSI/AWWA B506-2018)

Stakeholders: Drinking water treatment and supply industry, water and wastewater utilities, consulting engineers, and water treatment equipment manufacturers.

Project Need: The purpose of this standard is to provide the minimum requirements for ZOP, including physical, chemical, sampling, packaging, shipping, and testing requirements.

This standard describes zinc orthophosphate (ZOP) corrosion inhibitor in dry and liquid forms for use in the treatments of potable water, wastewater, or reclaimed water.

BSR/AWWA B510-201x, Carbon Dioxide (revision of ANSI/AWWA B510-2017)

Stakeholders: Drinking water treatment and supply industry, water and wastewater utilities, consulting engineers, and water treatment equipment manufacturers.

Project Need: The purpose of this standard is to provide the minimum requirements for carbon dioxide, including physical, chemical, sampling, packaging, shipping, and testing requirements.

This standard describes carbon dioxide (CO₂) for use in recarbonation and pH adjustment in the treatment of potable water, wastewater, and reclaimed water.

BSR/AWWA B604-201x, Granular Activated Carbon (revision of ANSI/AWWA B604-2017)

Stakeholders: Drinking water treatment and supply industry, water and wastewater utilities, consulting engineers, and water treatment equipment manufacturers.

Project Need: The purpose of this standard is to provide the minimum requirements for GAC, including physical, testing, packaging, and shipping requirements.

This standard describes virgin granular and extruded activated carbons for use as a filter medium and adsorbent in water treatment.

BSR/AWWA B605-201x, Reactivation of Granular Activated Carbon (revision of ANSI/AWWA B605-2018)

Stakeholders: Drinking water treatment and supply industry, water and wastewater utilities, consulting engineers, and water treatment equipment manufacturers.

Project Need: The purpose of this standard is to provide guidelines for use in preparing purchase documents for the procurement of GAC reactivation services where GAC is used as an adsorptive medium for treatment in potable water, wastewater, and reclaimed water systems.

This standard describes the procurement of granular activated carbon (GAC) reactivation services and the use of reactivated GAC for potable water, wastewater, and reclaimed water treatment.

BSR/AWWA B701-201x, Sodium Fluoride (revision of ANSI/AWWA B701-2018)

Stakeholders: Drinking water treatment and supply industry, water and wastewater utilities, consulting engineers, and water treatment equipment manufacturers.

Project Need: The purpose of this standard is to provide the minimum requirements for NaF, including physical, chemical, sampling, packaging, shipping, and testing requirements.

This standard describes sodium fluoride (NaF), coarse crystalline grade, for use in the treatment of potable water.

BSR/AWWA B702-201x, Sodium Fluorosilicate (revision of ANSI/AWWA B702-2018)

Stakeholders: Drinking water treatment and supply industry, water and wastewater utilities, consulting engineers, and water treatment equipment manufacturers.

Project Need: The purpose of this standard is to provide the minimum requirements for sodium fluorosilicate, including physical, chemical, sampling, packaging, shipping, and testing requirements.

This standard describes sodium fluorosilicate (Na₂SiF₆) for use in the treatment of potable water.

BSR/AWWA C205-201x, Cement-Mortar Protective Lining and Coating for Steel Water Pipe - 4 In. (100 mm) and Larger - Shop Applied (revision of ANSI/AWWA C205-2017)

Stakeholders: Drinking water treatment and supply industry, water and wastewater utilities, consulting engineers, and water treatment equipment manufacturers.

Project Need: The purpose of this standard is to provide the minimum requirements for shop-applied cement-mortar lining and coating of steel water pipe, including material, application, inspection, handling, and field-jointing requirements.

This standard describes the material, application, and curing of shop-applied cement-mortar protective linings and coatings for steel water pipe and fittings and field jointing of cement-mortar-lined-and-coated steel water pipe and fittings.

BSR/AWWA C207-201x, Steel Pipe Flanges for Waterworks Service, Sizes 4 In. Through 144 In. (100 mm Through 3,600 mm) (revision of ANSI/AWWA C207-2018)

Stakeholders: Drinking water treatment and supply industry, water and wastewater utilities, consulting engineers, and water treatment equipment manufacturers.

Project Need: The purpose of this standard is to provide the minimum requirements and dimensions for a variety of steel flanges for attachment to steel water pipe and fittings.

This standard describes ring-type slip-on flanges and blind flanges.

BSR/AWWA C221-201x, Fabricated Steel Mechanical Slip-Type Expansion Joints (revision of ANSI/AWWA C221-2018)

Stakeholders: Drinking water treatment and supply industry, water and wastewater utilities, consulting engineers, and water treatment equipment manufacturers.

Project Need: The purpose of this standard is to provide the minimum requirements for fabricated steel mechanical slip-type expansion joints, including system components, testing, and marking requirements.

This standard describes fabricated steel mechanical slip-type expansion joints having packing chambers for use on pipe with plain, flanged, grooved, or shouldered ends in nominal pipe sizes 3 in. (75 mm) and larger.

BSR/AWWA C222-201x, Polyurethane Coatings and Linings for Steel Water Pipe and Fittings (revision of ANSI/AWWA C222-2018)

Stakeholders: Drinking water treatment and supply industry, water and wastewater utilities, consulting engineers, and water treatment equipment manufacturers.

Project Need: The purpose of this standard is to provide the minimum requirements for polyurethane coating and lining systems for steel water pipe and fittings including materials, surface preparation, testing, handling, and packaging requirements.

This standard sets minimum requirements for shop- and field-applied polyurethane coatings and linings used in the water supply industry.

BSR/AWWA C305-201x, CFRP Renewal and Strengthening of Prestressed Concrete Cylinder Pipe (PCCP) (revision of ANSI/AWWA C305-2018)

Stakeholders: Drinking water treatment and supply industry, water and wastewater utilities, consulting engineers, and water treatment equipment manufacturers.

Project Need: The purpose of this standard is to provide the minimum requirements for material selection, design, installation, and quality control and quality assurance of the CFRP renewal and strengthening of PCCP.

The scope of this standard covered all PCCP, including embedded-cylinder pipe (ECP) and lined-cylinder pipe (LCP). The scope of this standard is limited to the wet lay-up application of CFRP; this standard does not apply to pre-cured laminates adhered to the pipe wall, dry lay-up application, or automated/robotic CFRP installation methods.

BSR/AWWA C502-201x, Dry-Barrel Fire Hydrants (revision of ANSI/AWWA C502-2018)

Stakeholders: Drinking water treatment and supply industry, water and wastewater utilities, consulting engineers, and water treatment equipment manufacturers.

Project Need: The purpose of this standard is to provide the minimum requirements for dry-barrel fire hydrants, including materials, general design, and testing.

This standard describes post-type, dry-barrel fire hydrants with compression shutoff (opening against or with the pressure) or gate shutoff for use in fire protection service in all climates, including those where freezing occurs.

BSR/AWWA C503-201x, Wet-Barrel Fire Hydrants (revision of ANSI/AWWA C503-2018)

Stakeholders: Drinking water treatment and supply industry, water and wastewater utilities, consulting engineers, and water treatment equipment manufacturers.

Project Need: The purpose of this standard is to provide purchasers, manufacturers, and suppliers with the minimum requirements for wet-barrel fire hydrants for fire-protection service, including materials, design, inspection, testing, marking, and shipping requirements.

This standard pertains to the various types and classes of wet-barrel fire hydrants for use in fire-protection service in areas where the climate is mild and freezing temperatures do not occur.

BSR/AWWA C507-201x, Ball Valves, 6 In. Through 60 In. (150 mm Through 1,500 mm) (revision of ANSI/AWWA C507-2018)

Stakeholders: Drinking water treatment and supply industry, water and wastewater utilities, consulting engineers, and water treatment equipment manufacturers.

Project Need: The purpose of this standard is to provide the minimum requirements for 6-in. through 60-in. (150-mm through 1,500-mm) ball valves for water, wastewater, and reclaimed water supply service, including material, design, inspection, testing, marking, handling, and packaging for shipment.

This standard covers gray-iron, ductile-iron, and cast-steel flanged-end, low-leakage, shaft- or trunnion-mounted, full-port, and double- and single-seated ball valves for pressures up to 150 psi (1,050 kPa) in sizes from 6 in. through 48 in. (150 mm through 1,200 mm) diameter for use in water, wastewater, and reclaimed water systems having water with a pH greater than 6 and less than 12 and with temperatures greater than 32 F (0 C) and less than 125 F (52 C).

BSR/AWWA C518-201x, Double-Disc Swing-Check Valves for Waterworks Service, 2-in. Through 48-in. (50-mm Through 1,200 mm) NPS (revision of ANSI/AWWA C518-2018)

Stakeholders: Drinking water treatment and supply industry, water and wastewater utilities, consulting engineers, and water treatment equipment manufacturers.

Project Need: The purpose of this standard is to provide the minimum requirements for double-disc swing-check valves, suitable for waterworks service, 2-in. through 48-in. (50-mm through 1,200-mm) NPS, including materials and testing.

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

BSR/AWWA C519-201x, High-Performance Waterworks Butterfly Valves - 3 In. (75 mm) Through 60 In. (1,500 mm) (revision of ANSI/AWWA C519-2018)

Stakeholders: Drinking water treatment and supply industry, water and wastewater utilities, consulting engineers, and water treatment equipment manufacturers.

Project Need: The purpose of this standard is to provide the minimum requirements for ductile-iron, steel, and alloy high-performance butterfly valves suitable for raw, potable, and reclaim/reuse water service.

This standard establishes minimum requirements for high-performance butterfly valves, 3 in. (75 mm) through 60 in. (1,500 mm) in diameter, with various body and end types, for raw, potable, and reclaimed water having a pH range from 6 to 12 and a temperature range from 33-125 F (0.6-51.6 C).

BSR/AWWA C521-201x, Plastic Ball Valves (revision of ANSI/AWWA C521-2018)

Stakeholders: Drinking water treatment and supply industry, water and wastewater utilities, consulting engineers, and water treatment equipment manufacturers.

Project Need: The purpose of this standard is to define the minimum requirements for water supply service plastic ball valves, including materials, design, testing, and shipping.

This standard describes plastic ball valves for water supply service.

BSR/AWWA C621-201x, Internal Pipe Joint Seal Assemblies for Water Service (revision of ANSI/AWWA C621-2018)

Stakeholders: Drinking water treatment and supply industry, water and wastewater utilities, consulting engineers, and water treatment equipment manufacturers.

Project Need: The purpose of this standard is to provide the minimum requirements for selection and installation of internal pipe joint seal assemblies, including materials, dimensions, tolerances, and testing/verification procedures.

This standard describes the selection and installation requirements for field-applied, mechanical, internal pipe joint seal assemblies for water service.

BSR/AWWA C655-201x, Field Dechlorination (revision of ANSI/AWWA C655-2017)

Stakeholders: Drinking water treatment and supply industry, water and wastewater utilities, consulting engineers, and water treatment equipment manufacturers.

Project Need: The purpose of this standard is to define the minimum procedures for the dechlorination of chlorinated or chloraminated water being discharged, including regulations, discharge site preparation, sampling and testing of discharged water, various methods of dechlorination and dechlorination chemicals.

This standard describes procedures, materials, and requirements for the dechlorination of chlorinated or chloraminated water discharges.

BSR/AWWA C715-201x, Cold-Water Meters - Electromagnetic and Ultrasonic Type, and Revenue Applications (revision of ANSI/AWWA C715-2018)

Stakeholders: Drinking water treatment and supply industry, water and wastewater utilities, consulting engineers, and water treatment equipment manufacturers.

Project Need: The purpose of this standard is to provide the minimum requirements for potable cold-water meters of the electromagnetic and ultrasonic type, in sizes 1/2 in. (13 mm) through 20 in. (500 mm), for revenue applications.

This standard describes two performance classes of potable cold-water meters of the electromagnetic and ultrasonic type, in sizes 1/2 in. (13 mm) through 20 in. (500 mm), for revenue applications, and the materials and workmanship employed in their fabrication.

BSR/AWWA C105/A21.5-201x, Polyethylene Encasement for Ductile-Iron Pipe Systems (revision of ANSI/AWWA C105/A21.5-2018)

Stakeholders: Drinking water treatment and supply industry, water and wastewater utilities, consulting engineers, and water treatment equipment manufacturers.

Project Need: The purpose of this standard is to provide the minimum requirements for polyethylene sheet and tubes to be used for external corrosion protection of buried ductile-iron pipe, fittings, and appurtenances.

This standard describes materials and installation procedures for polyethylene encasement to be applied to underground installations of ductile-iron pipe.

BSR/AWWA D110-201x, Wire- and Strand-Wound, Circular, Prestressed Concrete Water Tanks (revision of ANSI/AWWA D110-2013 (R2018))

Stakeholders: Drinking water treatment and supply industry, water and wastewater utilities, consulting engineers, and water treatment equipment manufacturers.

Project Need: The intent of this standard is to describe current recommended practice for the design, construction, inspection, and maintenance of wire- and strand-wound, circular, prestressed concrete water-containing structure.

This standard applies to containment structures for use with potable water or raw water of normal temperature and pH commonly found in drinking water supplies.

BSR/AWWA D115-201x, Tendon-Prestressed Concrete Water Tanks (revision of ANSI/AWWA D115-2017)

Stakeholders: Drinking water treatment and supply industry, water and wastewater utilities, consulting engineers, and water treatment equipment manufacturers.

Project Need: The purpose of this standard is to provide the minimum requirements for the design, construction, and field observations of concrete tanks using internal tendons for prestressing.

This standard describes current and recommended practice for the design, construction, and field observations of concrete tanks using internal tendons for prestressing.

BSR/AWWA E200-201x, Progressive Cavities Chemical Metering Pumps (revision of ANSI/AWWA E200-2018)

Stakeholders: Drinking water treatment and supply industry, water and wastewater utilities, consulting engineers, and water treatment equipment manufacturers.

Project Need: The purpose of this standard is to provide the minimum requirements for progressive-cavity chemical metering pumps suitable for water and wastewater service, including design, materials, application, testing, and delivery.

This standard describes minimum requirement for progressive-cavity chemical metering pumps used with polymers and aggressive chemicals including sodium hypochlorite (NaOCl), ferric chloride (FeCl₃), sulfuric acid (H₂SO₄), hydrochloric acid (HCl), and other strong acids and bases.

BSR/AWWA F120-201x, Ozone Systems for Water (revision of ANSI/AWWA F120-2018)

Stakeholders: Drinking water treatment and supply industry, water and wastewater utilities, consulting engineers, and water treatment equipment manufacturers.

Project Need: The purpose of this standard is to provide the minimum set of requirements for ozone systems for the treatment of potable water, wastewater, reclaimed water, and storm water.

This standard describes the minimum requirements for ozone systems and equipment used to treat potable water, wastewater, reclaimed water, and storm water.

BSR/AWWA G400-201x, Utility Management System (revision of ANSI/AWWA G400-2018)

Stakeholders: Drinking water treatment and supply industry, water and wastewater utilities, consulting engineers, and water treatment equipment manufacturers.

Project Need: The purpose of this standard is to define the minimum requirements for establishing a utility management system for a water or wastewater utility that will promote continuous improvement.

This standard covers the essential requirements for an effective utility management system.

BSR/AWWA G410-201x, Business Practices for Operation and Management (revision of ANSI/AWWA G410-2018)

Stakeholders: Drinking water treatment and supply industry, water and wastewater utilities, consulting engineers, and water treatment equipment manufacturers.

Project Need: The purpose of this standard is to establish criteria for how the water sector develops, measures the performance of, and improves the strategic planning, resource management, and support functions necessary to create and sustain a high-performing organization.

This standard describes the critical elements of effective business practices for the operation and management of water, wastewater, and reclaimed water utilities (to be referred to as the water sector).

BSR/AWWA G485-201x, Direct Potable Reuse Program Operation and Management (revision of ANSI/AWWA G485-2018)

Stakeholders: Drinking water treatment and supply industry, water and wastewater utilities, consulting engineers, and water treatment equipment manufacturers.

Project Need: The purpose of this standard is to define the critical requirements for the effective operation and management of a DPR water program.

This standard describes the critical requirements for the effective operation and management of a direct potable reuse (DPR) water program.

GBI (Green Building Initiative)

Contact: *Emily Marx, (503) 274-0448, marx@thegbi.org*
PO Box 80010, Portland, OR 97280

New Standard**BSR/GBI 02-201x, Green Globes Assessment Protocol for Existing Buildings (new standard)**

Stakeholders: Those owning, operating, maintaining, or renovating existing buildings or those with subject matter expertise related to resource-efficient, healthy, resilient, and environmentally preferable buildings. This includes but is not limited to owners, building operators, energy engineers, facility managers, architects, developers, building material producers, environmental groups, government, researchers, and technical societies.

Project Need: Encourage benchmarking and continuous improvement of existing buildings. Help users integrate resource-efficient, healthy, resilient, and environmentally preferable objectives into their existing buildings.

The standard will include criteria and practices for resource-efficient, healthy, resilient, and environmentally preferable renovations, operations, maintenance, and improvement of existing commercial buildings. Up to six areas of green building design will be included: environmental/project management, site, energy, water, materials, and indoor environment.

IES (Illuminating Engineering Society)

Contact: *Patricia McGillicuddy, (917) 913-0027, pmcgillicuddy@ies.org*
120 Wall Street, Floor 17, New York, NY 10005

New Standard**BSR/IES LM-28-201x, Approved Method: Guide for the Selection, Care and Use of Electrical Instruments in the Photometric Laboratory (new standard)**

Stakeholders: Lighting practitioners, lighting software developers, luminaire manufacturers, lighting laboratories, regulatory agencies.

Project Need: This guide describes terms used to define instrument capabilities for electrical quantities, angular positioning, optical radiation detectors, airflow, and temperature. In addition, the reader is informed about cautions that needs to be observed when selecting, maintaining, and using measuring instruments in the photometric laboratory while maintaining appropriate levels of uncertainty.

The units of electrical measurement used in this test method are the volt, the ampere, and the watt. The term "instrument" will be used throughout the guide instead of the term "meter," which was incorrectly applied in previous publications of this document. The instruments required for the photometric laboratory can be divided into two groups: (1) instruments for the measurement of electrical quantities in the testing of lamps and auxiliaries and (2) special instruments and devices for such measurements as detector output, temperature, source color, total luminous flux, and luminaire and photometer angular position. Indicating and recording instruments may be used in either type of application.

BSR/IES RP-xx-H-201x, Recommended Practice: Lighting Horticultural Facilities (new standard)

Stakeholders: Lighting practitioners, electrical engineers, architects, interior designers, luminaire manufacturers, building owners/managers, regulatory agencies, the general public.

Project Need: This document provides an introduction into some ways horticultural lighting design choices can affect plant growth and development. The first section provides some background on the properties of light, including spectra and intensity. In the second section, we outline some of the biological mechanisms behind how plants sense and respond to light. Sections summarizing recent findings in the literature follow, providing reference to how different types of light (e.g., ultraviolet) can affect plants. The final section outlines some interesting avenues of future research.

Through the millennia, each plant species has evolved to live in an optimal biological niche, with particular temperature, humidity, water, soil, nutrients, and sunlight. Plants rely on sunlight (and sometimes artificial light) for their energy, and light plays a key role in mediating plant growth and development. Recent developments in lighting technology, such as light emitting diodes (LEDs), have given us more control than ever over the quality and quantity of light used: we are able to effectively measure and select colors, intensities, exposure times, etc. When designing supplementary or primary lighting for horticultural purposes, we must keep in mind how plants will react to these different conditions.

BSR/IES RP-37-201x, Recommended Practice: Lighting Airport Outdoor Environments (new standard)

Stakeholders: Lighting practitioners, electrical engineers, architects, environmentalists, regulatory agencies, luminaire manufacturers, transportation officials, airline operators.

Project Need: This BSR/IES Recommended Practice (RP) has been prepared as a guide for the application of fixed outdoor lighting in and around the airport environment with respect to the airport's special requirements. These requirements include (but are not limited to): Height restrictions (such as obstructions affecting navigable airspace) as defined by the governing civil aviation authorities; The ability to distinguish color of light for visual cues; Prevention of light trespass that may interfere with the vision of pilots or air traffic control tower (ATCT) personnel; Air traffic controllers' ability to see approaching aircraft and aircraft performing ground operations within the "aircraft movement area" without glare or direct or indirect light trespass; and Pilots' ability to detect runway lighting without glare or direct or indirect light trespass.

BSR/IES RP-37-xx, Recommended Practice: Outdoor Lighting for Airport Environments is a guide for the planning and design of lighting systems in all of the airport outdoor environment. It combines two previous documents, IES RP-14, Recommended Practice for Airport Service Area Lighting and IES RP-17, Recommended Practice for Airport Road Automobile Parking Area Lighting, because the committee recognized the common concerns for all of the airport outdoor environment. It provides more in-depth descriptions of equipment and activities found in various areas, while defining the particular challenges and offering solutions. It does not address approach, runway, or taxiway lights that are specified by other authorities.

SCTE (Society of Cable Telecommunications Engineers)

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

New Standard**BSR/SCTE 42-201x, IP Multicast for Digital MPEG Networks (new standard)**

Stakeholders: Cable Telecommunications.

Project Need: Create new standard.

The document describes two methods to transmit multicast IP datagrams over MPEG 2 digital transport streams. It describes the use of Digital Video Broadcasting (DVB) Multi-Protocol Encapsulation (MPE) Datagram Sections and the Advanced Television Systems Committee's (ATSC) Addressable Sections, to encapsulate IP datagrams for subsequent segmentation into fixed-length MPEG transport packets. It also describes how the encapsulated data will be included within an MPEG Program in a manner that allows a digital MPEG Decoder to efficiently locate the data PID streams carrying multicast IP content.

BSR/SCTE 53-201x, Methods for Asynchronous Data Services Transport (new standard)

Stakeholders: Cable Telecommunications industry.

Project Need: Create new standard.

This proposal represents transmission format for the carriage of asynchronous data services, compatible with digital multiplex bitstreams constructed in accordance with ISO/IEC 13818-1 (MPEG-2 Systems). Bit rates for the data services extend from 300 bps to 288 kbps including some common high speed modem rates of 115200 bps and 230400 bps. The proposal also covers the entire set of rates specified by the ITU-T Series-V Recommendations (V.22, V.23, V.26, V.27 ter, V.29, V.32, V.32 bis, V.32 ter, and V.34).

BSR/SCTE 55-1-201x, Digital Broadband Delivery System: Out of Band Transport Part 1: Mode A (new standard)

Stakeholders: Cable Telecommunications industry.

Project Need: Create new standard.

This contribution is a derivative work created from DVS/110. The intention of this document is to provide a contribution whose scope is limited to the physical layer specification for Out-Of-Band cable system. Specifications of MAC Layer and Link Layer are also provided for the Aloha implementation. The latter should be updated in the future, recognizing the potential adaptation of DOCSIS MAC Layer Specification.

BSR/SCTE 55-2-201x, Digital Broadband Delivery System: Out of Band Transport Part 2: Mode B (new standard)

Stakeholders: Cable Telecommunications industry.

Project Need: Create new standard.

Describes the complete physical layer structure, i.e., framing structure, channel coding and modulation (QPSK), for each direction - Downstream and Upstream.

TIA (Telecommunications Industry Association)

Contact: Teesha Jenkins, (703) 907-7706, standards@tiaonline.org
1320 North Courthouse Road, Suite 200, Arlington, VA 22201

Reaffirmation

BSR/TIA 1005-A-2012 (R201x), Telecommunications Infrastructure Standard for Industrial Premises (reaffirmation of ANSI/TIA 1005-A-2012)

Stakeholders: Users/manufacturers of the Industrial facilities community.

Project Need: Reaffirm standard.

This Standard specifies telecommunications cabling to support industrial premises applications (e.g., voice, data, text, video, industrial and building controls, security, fire alarm, imaging) while allowing for exposure to the wide range of environmental conditions expected in industrial premises (e.g., temperature, humidity, electrical noise, shock, vibration, corrosive gases, dust, liquids).

American National Standards Maintained Under Continuous Maintenance

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

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

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

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

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

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

ANSI-Accredited Standards Developers Contact Information

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

<p>ABYC American Boat and Yacht Council 613 Third Street Suite 10 Annapolis, MD 21403 Phone: (410) 990-4460 Web: www.abycinc.org</p>	<p>B11 B11 Standards, Inc. PO Box 690905 Houston, TX 77269-0905 Phone: (832) 446-6999</p>	<p>IAPMO (Z) International Association of Plumbing & Mechanical Officials 5001 East Philadelphia Street Ontario, CA 91761 Phone: (909) 230-5534 Web: www.iapmort.org</p>	<p>NFPA National Fire Protection Association One Batterymarch Park Quincy, MA 02269-9101 Phone: (617) 984-7248 Web: www.nfpa.org</p>
<p>AGMA American Gear Manufacturers Association 1001 N Fairfax Street, 5th Floor Alexandria, VA 22314-1587 Phone: (703) 684-0211 Web: www.agma.org</p>	<p>BHMA Builders Hardware Manufacturers Association 355 Lexington Avenue, 15th Floor 15th Floor New York, NY 10017-6603 Phone: (860) 944-4264 Web: www.buildershardware.com</p>	<p>IES Illuminating Engineering Society 120 Wall Street, Floor 17 New York, NY 10005 Phone: (917) 913-0027 Web: www.ies.org</p>	<p>NSF NSF International 789 N. Dixboro Road Ann Arbor, MI 48105-9723 Phone: (734) 827-3813 Web: www.nsf.org</p>
<p>APA APA - The Engineered Wood Association 7011 South 19th Street Tacoma, WA 98466 Phone: (253) 620-7467 Web: www.apawood.org</p>	<p>CAPA Certified Automotive Parts Association c/o Intertek 4700 Broadmoor SE, Suite 200 Kentwood, MI 49512 Phone: (616) 656-7483 Web: www.CAPACertified.org</p>	<p>ISA (Organization) International Society of Automation 67 Alexander Drive Research Triangle Park, NC 27709 Phone: (919) 990-9228 Web: www.isa.org</p>	<p>PLATO Portable Lights American Trade Organization 1760 Portal Drive NE Warren, OH 44484 Phone: (330) 469-2727 Web: www.plato-usa.org</p>
<p>ASHRAE American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc. 1791 Tullie Circle, NE Atlanta, GA 30329 Phone: (404) 636-8400 Web: www.ashrae.org</p>	<p>CSA CSA America Standards Inc. 8501 E. Pleasant Valley Road Cleveland, OH 44131 Phone: (216) 524-4990 Web: www.csagroup.org</p>	<p>ISEA International Safety Equipment Association 1901 North Moore Street Suite 808 Arlington, VA 22209 Phone: (703) 525-1695 Web: www.safetysystem.org</p>	<p>SCTE Society of Cable Telecommunications Engineers 140 Philips Rd Exton, PA 19341 Phone: (800) 542-5040 Web: www.scte.org</p>
<p>ASTM ASTM International 100 Barr Harbor Drive West Conshohocken, PA 19428-2959 Phone: (610) 832-9744 Web: www.astm.org</p>	<p>FCI Fluid Controls Institute 1300 Sumner Avenue Cleveland, OH 44115 Phone: (216) 241-7333 Web: www.fluidcontrolsinstitute.org</p>	<p>ITI (INCITS) InterNational Committee for Information Technology Standards 700 K Street NW Suite 600 Washington, DC 20001 Phone: (202) 737-8888 Web: www.incits.org</p>	<p>TIA Telecommunications Industry Association 1320 North Courthouse Road Suite 200 Arlington, VA 22201 Phone: (703) 907-7706 Web: www.tiaonline.org</p>
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<p>AWWA American Water Works Association 6666 W. Quincy Ave. Denver, CO 80235 Phone: (303) 347-6178 Web: www.awwa.org</p>	<p>Home Innovation Home Innovation Research Labs 400 Prince George's Boulevard Upper Marlboro, MD 20774-8731 Phone: (301) 430-6314 Web: www.HomeInnovation.com</p>	<p>NEMA (ASC C137) National Electrical Manufacturers Association 1300 North 17th Street, Suite 900 Rosslyn, VA 22209 Phone: (703) 841-3277 Web: www.nema.org</p>	
	<p>IAPMO (ASSE Chapter) ASSE International Chapter of IAPMO 18927 Hickory Creek Dr Suite 220 Mokena, IL 60448 Phone: (708) 995-3017 Web: www.asse-plumbing.org</p>		



IEC Draft International Standards

This section lists proposed standards that the International Electrotechnical Commission (IEC) is considering for approval. The proposals have received substantial support within the technical committees or subcommittees that developed them and are now being circulated to 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 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

IEC Drafts can be made available by contacting ANSI's Customer Service department. Please e-mail your request for an 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.

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- 8B/41/CD, IEC 63189-1 ED1: Virtual Power Plants - Part 1: Architecture and Functional Requirements, 019/9/6/
 22F/540/CD, IEC TR 60919-2/AMD2 ED2: Performance of high-voltage direct current (HVDC) systems with line-commutated converters - Part 2: Faults and switching, 019/9/6/
 22F/541/NP, PNW 22F-541: Future IEC 60700-3 Ed.1.0: Thyristor valves for high voltage direct current (HVDC) power transmission - Part 3: Essential ratings (limiting values) and characteristics, 019/9/6/
 32C/572/NP, PNW 32C-572: Technical requirements for organic-temperature-sensing thermal-links, 2019/10/4
 37A/337/CD, IEC 61643-11 ED2: Low-voltage surge protective devices - Part 11: Surge protective devices connected to AC low-voltage power systems - Requirements and test methods, 2019/10/4
 37A/338/CD, IEC 61643-01 ED1: Low-voltage surge protective devices - Part 01: General Requirements and test methods, 2019/10/4
 37A/339/NP, PNW 37A-339 ED1: Surge protective devices connected to low-voltage DC power systems - Requirements and test methods, 2019/10/4
 45A/1283/CD, IEC 61468 ED2: Nuclear power plants - Instrumentation systems important to safety - In-core instrumentation: Characteristics and test methods of self-powered neutron detectors, 2019/10/4
 46F/476/CD, IEC 63249-1 ED1: Waveguide to coaxial adapters - Part 1: Generic specification - General requirements and test methods, 2019/10/4
 62C/740/CDV, IEC 63073-1 ED1: Dedicated Radionuclide Imaging Devices - Characteristics and Test Conditions - Part 1: Cardiac SPECT, 2019/10/4
 62D/1699/CD, ISO 80601-2-87 ED1: Medical electrical equipment - Part 2-87: Particular requirements for the basic safety and essential performance of high frequency critical care ventilators, 019/9/6/
 77A/1034/Q, Amendment 1 for IEC 61000-4-30 ED. 3, 2019/8/23
 86C/1608/CD, IEC 61280-4-5 ED1: Fibre-optic communication subsystem test procedures - Part 4-5: Installed cabling plant - Attenuation measurement of MPO terminated fibre optic cabling plant using test equipment with MPO interfaces, 2019/10/4
 86C/1609/CD, IEC 62149-3 ED3: Fibre optic active components and devices - Performance standards - Part 3: Modulator-integrated laser diode transmitters for 40-Gbit/s fibre optic transmission systems, 2019/10/4
 86A/1943/CDV, IEC 60793-2-40 ED5: Optical fibres - Part 2-40: Product specifications - Sectional specification for category A4 multimode fibres, 2019/10/4
 86A/1954/CD, IEC 60794-1-211 ED1: Optical fibre cables - Part 1-211: Generic specification - Basic optical cable test procedures - Environmental test methods - Sheath shrinkage (cables intended for patch cords), Method F11, 019/9/6/
 2/1964/CD, IEC 60034-1 ED14: Rotating electrical machines - Part 1: Rating and performance, 2019/10/4
 2/1965/CD, IEC 60034-18-32 ED2: Rotating electrical machines - Part 18-32: Functional evaluation of insulation systems - Test procedures for form-wound windings - Evaluation by electrical endurance, 019/9/6/
 36/459/CD, IEC 62217 ED3: Polymeric HV insulators for indoor and outdoor use - General definitions, test methods and acceptance criteria, 019/9/6/
 79/624/CD, IEC 62676-6 ED1: Video surveillance systems for use in security applications - Part 6: Video content analytics - Performance testing and grading, 2019/10/4
 81/627/FDIS, IEC 62858 ED2: Lightning density based on lightning location systems (LLS) - General principles, 2019/8/23
 85/700/CD, IEC 62586-2/AMD1 ED2: Power quality measurement in power supply systems - Part 2: Functional tests and uncertainty requirements, 2019/10/4
 113/491/DTS, IEC TS 62607-4-8: Nanomanufacturing - Key control characteristics - Part 4-8: Nano-enabled electrical energy storage - Determination of water content in electrode nanomaterials, Karl Fischer method, 2019/10/4
 113/492/DTS, IEC TS 62607-2-4: Nanomanufacturing - Key control characteristics - Part 2-4: Carbon nanotube materials - Test methods for determination of resistance of individual carbon nanotubes, 2019/10/4
 113/493/DTS, IEC TS 62607-8-1: Nanomanufacturing - Key Control Characteristics - Part 8-1: Nano-enabled metal-oxide interfacial devices - Test method for defect states by thermally stimulated current, 2019/10/4
 113/494/CD, IEC TS 62607-6-19 ED1: Nanomanufacturing - Key control characteristics - Part 6-19: Graphene powder - Elemental composition: CS analyzer, ONH analyzer, 2019/10/4
 113/495/DTS, IEC TS 62607-6-14 ED1: Nanomanufacturing - Key control characteristics - Part 6-14: Graphene powder - Defect level: Raman spectroscopy, 2019/10/4

- 113/496/DTS, IEC TS 62607-6-3 ED1: Nanomanufacturing - Key control characteristics - Part 6-3: Graphene-Characterization of CVD graphene domains, 2019/10/4
- 119/272/CDV, IEC 62899-202-4 ED1: Printed electronics - Part 202-4: Materials - Conductive ink - Measurement methods for properties of stretchable printed layers (conductive and insulating), 2019/10/4
- 51/1305/CD, IEC 63182-2 ED1: Magnetic powder cores - Guidelines on dimensions and the limits of surface irregularities - Part 2: Ring-cores, 2019/10/4
- 55/1794/CD, IEC 60172 ED5: Test procedure for the determination of the temperature index of enamelled and tape wrapped winding wires, 019/9/6/
- 57/2120/DC, Revision of IEC 61968-3 ED2: Application integration at electric utilities - System interfaces for distribution management - Part 3: Interface for network operations, 2019/8/23
- 91/1587/CD, IEC 60068-2-20 ED6: Environmental testing - Part 2-20: Tests - Test T: Test methods for solderability and resistance to soldering heat of devices with leads, 2019/10/4
- 91/1588/CD, IEC 61760-3 ED2: Surface mounting technology - Part 3: Standard method for the specification of components for through hole reflow (THR) soldering, 019/9/6/
- 91/1590/NP, PNW 91-1590: Materials for printed boards and other interconnecting structures - Part 6-11: Sectional specification set for reinforcement materials - Specification for finished fabric woven from "Low Dk" glass for printed boards, 2019/10/4
- 100/3285/CD, IEC 63245-1 ED1: Management and Interfaces for WPT - Spatial wireless power transfer based on multiple magnetic resonances (SWPT-MMR) - Part 1: Requirements, 2019/10/4
- 110/1119/CD, IEC 63211-3-5 ED1: Durability test methods for electronic displays - Part 3-5: Mechanical tests - Surface durability, 019/9/6/
- 110/1120/NP, PNW 110-1120: Eyewear display - Part 22-20: Measurement methods for AR type - image quality, 019/9/6/
- SyCAAL/150/CD, IEC 63240-1 ED1: AAL Reference Architecture, 2019/10/4
- SyCAAL/151/CD, IEC 63240-2 ED1: AAL Architecture Model, 2019/10/4
- SyCAAL/152/DTS, IEC TS 63134 ED1: Active Assisted Living (AAL) use cases, 2019/10/4
- CABPUB/175/FDIS, ISO/IEC FDIS 17029 Conformity assessment - General principles and requirements for validation and verification bodies, 019/9/6/
- CIS/1/620/CD, CISPR 35 ED2: Amendment 1: Electromagnetic compatibility of multimedia equipment - Immunity requirements, 019/9/6/



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 33018:2019](#), Information technology - Process assessment - Guidance for assessor competency, \$45.00

ACOUSTICS (TC 43)

[ISO 5130:2019](#), Acoustics - Measurements of sound pressure level emitted by stationary road vehicles, \$103.00

AIRCRAFT AND SPACE VEHICLES (TC 20)

[ISO 10795:2019](#), Space systems - Programme management and quality - Vocabulary, \$185.00

[ISO 24113:2019](#), Space systems - Space debris mitigation requirements, \$103.00

CLEANING EQUIPMENT FOR AIR AND OTHER GASES (TC 142)

[ISO 15714:2019](#), Method of evaluating the UV dose to airborne microorganisms transiting in-duct ultraviolet germicidal irradiation devices, \$103.00

FIRE SAFETY (TC 92)

[ISO 26367-1:2019](#), Guidelines for assessing the adverse environmental impact of fire effluents - Part 1: General, \$138.00

FLUID POWER SYSTEMS (TC 131)

[ISO 4409:2019](#), Hydraulic fluid power - Positive-displacement pumps, motors and integral transmissions - Methods of testing and presenting basic steady state performance, \$138.00

GEOGRAPHIC INFORMATION/GEOMATICS (TC 211)

[ISO 19162:2019](#), Geographic information - Well-known text representation of coordinate reference systems, \$232.00

GRAPHICAL SYMBOLS (TC 145)

[ISO 7000:2019](#), Graphical symbols for use on equipment - Registered symbols, \$45.00

JEWELLERY (TC 174)

[ISO 11494:2019](#), Jewellery and precious metals - Determination of platinum in platinum alloys - ICP-OES method using an internal standard element, \$45.00

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

[ISO 13679:2019](#), Petroleum and natural gas industries - Procedures for testing casing and tubing connections, \$45.00

[ISO 19906:2019](#), Petroleum and natural gas industries - Arctic offshore structures, \$232.00

MECHANICAL CONTRACEPTIVES (TC 157)

[ISO 19351:2019](#), Fallopian rings - Requirements and test methods, \$162.00

MECHANICAL VIBRATION AND SHOCK (TC 108)

[ISO 10813-2:2019](#), Vibration-generating machines - Guidance for selection - Part 2: Equipment for dynamic structural testing, \$138.00

PAINTS AND VARNISHES (TC 35)

[ISO 22518:2019](#), Paints and varnishes - Determination of solvents in water-thinnable coating materials - Gas-chromatographic method, \$68.00

[ISO 23496:2019](#), Determination of pH value - Reference buffer solutions for the calibration of pH measuring equipment, \$103.00

[ISO 23497:2019](#), Determination of pH value - Technical buffer solutions for the calibration of technical measuring installations, \$68.00

PLASTICS (TC 61)

[ISO 20144:2019](#), Fibre-reinforced plastic composites - Standard qualification plan (SQP) for composite materials, including reduced qualification plan (RQP) and extended qualification plan (EQP) schemes, \$162.00

[ISO 11833-1:2019](#), Plastics - Unplasticized poly(vinyl chloride) sheets - Part 1: Types, dimensions and characteristics for sheets of thickness not less than 1 mm, \$103.00

[ISO 11907-1:2019](#), Plastics - Smoke generation - Determination of the corrosivity of fire effluents - Part 1: General concepts and applicability, \$45.00

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

[ISO 7685:2019](#), Glass-reinforced thermosetting plastics (GRP) pipes - Determination of initial ring stiffness, \$68.00

[ISO 9624:2019](#), Thermoplastics piping systems for fluids under pressure - Flange adapters and loose backing flanges - Mating dimensions, \$138.00

ROAD VEHICLES (TC 22)

[ISO 22241-4:2019](#), Diesel engines - NOx reduction agent AUS 32 - Part 4: Refilling interface, \$103.00

ROBOTS AND ROBOTIC DEVICES (TC 299)

[IEC 80601-2-77:2019](#), Medical electrical equipment - Part 2-77: Particular requirements for the basic safety and essential performance of robotically assisted surgical equipment, \$317.00

[IEC 80601-2-78:2019](#), Medical electrical equipment - Part 2-78: Particular requirements for basic safety and essential performance of medical robots for rehabilitation, assessment, compensation or alleviation, \$285.00

SHIPS AND MARINE TECHNOLOGY (TC 8)

[ISO 15738:2019](#), Ships and marine technology - Maritime safety - Gas inflation systems for inflatable life-saving appliances, \$103.00

[ISO 19912:2019](#), Ships and marine technology - Servicing of immersion suits, anti-exposure suits and constant wear suits, \$68.00

[ISO 25862:2019](#), Ships and marine technology - Marine magnetic compasses, binnacles and azimuth reading devices, \$185.00

TERMINOLOGY (PRINCIPLES AND COORDINATION) (TC 37)

[ISO 24622-2:2019](#), Language resource management - Component metadata infrastructure (CMDI) - Part 2: Component metadata specification language, \$162.00

WATER RE-USE (TC 282)

[ISO 20468-2:2019](#), Guidelines for performance evaluation of treatment technologies for water reuse systems - Part 2: Methodology to evaluate performance of treatment systems on the basis of greenhouse gas emissions, \$162.00

WELDING AND ALLIED PROCESSES (TC 44)

[ISO 15614-1/Amd1:2019](#), Specification and qualification of welding procedures for metallic materials - Welding procedure test - Part 1: Arc and gas welding of steels and arc welding of nickel and nickel alloys - Amendment 1, \$19.00

ISO Technical Reports

HEALTH INFORMATICS (TC 215)

[ISO/TR 14872:2019](#), Health informatics - Identification of medicinal products - Core principles for maintenance of identifiers and terms, \$68.00

ISO/IEC JTC 1, Information Technology

[ISO/IEC 25020:2019](#), Systems and software engineering - Systems and software Quality Requirements and Evaluation (SQuARE) - Quality measurement framework, \$162.00

IEC Standards

ALL-OR-NOTHING ELECTRICAL RELAYS (TC 94)

[IEC 61810-10 Ed. 1.0 b:2019](#), Electromechanical elementary relays - Part 10: Additional functional aspects and safety requirements for high-capacity relays, \$352.00

ELECTRIC TRACTION EQUIPMENT (TC 9)

[IEC 62597 Ed. 1.0 en:2019](#), Magnetic field levels generated by electronic and electrical apparatus in the railway environment with respect to human exposure - Measurement procedures, \$164.00

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

[IEC 60068-3-6 Ed. 2.0 b:2018](#), Environmental testing - Part 3-6: Supporting documentation and guidance - Confirmation of the performance of temperature/humidity chambers, \$117.00

FIBRE OPTICS (TC 86)

[IEC 62150-3 Ed. 2.0 b:2015](#), Fibre optic active components and devices - Test and measurement procedures - Part 3: Optical power variation induced by mechanical disturbance in optical receptacles and transceiver interfaces, \$164.00

[IEC 60794-1-23 Ed. 1.0 b:2012](#), Optical fibre cables - Part 1-23: Generic specification - Basic optical cable test procedures - Cable element test methods, \$82.00

[IEC 61300-3-47 Ed. 1.0 b:2014](#), Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-47: Examinations and measurements - End face geometry of PC/APC spherically polished ferrules using interferometry, \$117.00

NUCLEAR INSTRUMENTATION (TC 45)

[IEC 61563 Ed. 2.0 b:2019](#), Radiation protection instrumentation - Equipment for measuring the activity concentration of gamma-emitting radionuclides in foodstuffs, \$235.00

PERFORMANCE OF HOUSEHOLD ELECTRICAL APPLIANCES (TC 59)

[IEC 60675 Amd.2 Ed. 2.0 b:2018](#), Amendment 2 - Household electric direct-acting room heaters - Methods for measuring performance, \$12.00

ULTRASONICS (TC 87)

[IEC 63009 Ed. 1.0 b:2019](#), Ultrasonics - Physiotherapy systems - Field specifications and methods of measurement in the frequency range 20 kHz to 500 kHz, \$235.00

IEC Technical Reports

FIBRE OPTICS (TC 86)

[IEC/TR 61282-5 Ed. 2.0 en:2019](#), Fibre optic communication system design guidelines - Part 5: Accommodation and compensation of chromatic dispersion, \$235.00

NUCLEAR INSTRUMENTATION (TC 45)

[IEC/TR 61577-5 Ed. 1.0 en:2019](#), Radiation protection instrumentation - Radon and radon decay product measuring instruments - Part 5: General properties of radon and radon decay products and their measurement methods, \$317.00

Proposed Foreign Government Regulations

Call for Comment

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

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

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

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

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

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

Information Concerning

American National Standards

Call for Members

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

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

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

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

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

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

Society of Cable Telecommunications

ANSI Accredited Standards Developer

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

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

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

PINS Corrections

The following is a list of corrections to the ITI (INCITS) project descriptions announced in Standards Action PINS dated 6/28/2019:

(identical national adoption of ISO/IEC 14492:2019 and revision of INCITS/ISO/IEC 14492:2001 [R2017], INCITS/ISO/IEC 14492:2001/AM1:2004 [R2014], INCITS/ISO/IEC 14492:2001/AM2:2003 [R2014])

(identical national adoption of ISO/IEC 10118-3:2018 and revision of INCITS/ISO/IEC 10118-3:2004 [R2014], INCITS/ISO/IEC 10118-3:2004/AM1:2006 [R2014])

(identical national adoption of ISO/IEC 7816-15:2016 and revision of INCITS/ISO/IEC 7816-15:2004 [R2014], INCITS/ISO/IEC 7816-15:2004/AM 1:2007 [R2016], INCITS/ISO/IEC 7816-15:2004/AM 2:2008 [R2016])

(identical national adoption of ISO/IEC 14496-11:2015 and revision of INCITS/ISO/IEC 14496-11:2005 [R2014], INCITS/ISO/IEC 14496-11:2005/AM5:2007 [R2014])

(identical national adoption of ISO/IEC 15444-5:2015 and revision of INCITS/ISO/IEC 15444-5:2003 [R2014], INCITS/ISO/IEC 15444-5:2003/AM1:2003 [R2014])

(identical national adoption of ISO/IEC 15444-1:2016 and revision of INCITS/ISO/IEC 15444-1:2004 [R2015], INCITS/ISO/IEC 15444-1:2004/AM1:2006 [R2014])

ANSI Accredited Standards Developers

Approval of Reaccreditation

International Association for Continuing Education and Training (IACET)

The reaccreditation of the International Association for Continuing Education and Training (IACET), an ANSI member and Accredited Standards Developer (ASD), has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on IACET-sponsored American National Standards, effective July 11, 2019. For additional information, please contact: Ms. Teri Laliberte, Vice-President of Accreditation and Special Projects, International Association for Continuing Education and Training, 2201 Cooperative Way, Herndon, VA 20171; phone: 703.763.0705, ext. 102; e-mail: Teri.Laliberte@IACET.org.

International Organization for Standardization (ISO)

Call for U.S. TAG Administrator

ISO/TC 249 – Traditional Chinese Medicine

ANSI has been informed that NSF International, the ANSI-accredited U.S. TAG Administrator for ISO/TC 249, wishes to relinquish their role as U.S. TAG Administrator.

ISO/TC 249 operates under the following scope:

Standardization in the field of medical systems derived from ancient Chinese medicine which shall be able to share one common set of standards. Both traditional and modern aspects of these systems are covered. The committee focuses on quality and safety of raw materials, manufactured products and medical devices and of informatics, including service standards limited to involving the safe use and delivery of devices & medicine, but not into the clinical practice or application of those products.

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

Establishment of ISO Subcommittee

ISO/TC 215/SC 1 – Genomics Informatics

ISO/TC 215 – Health informatics has created a new ISO Subcommittee on Genomics Informatics (ISO/TC 215/SC 1). The Secretariat has been assigned to Republic of Korea (KATS).

ISO/TC 215/SC 1 operates under the following scope:

Development of standards in the field of Genomics Informatics within the scope ISO/TC 215:

Standardization in the field of health informatics, to facilitate capture, interchange and use of health-related data, information, and knowledge to support and enable all aspects of the health system.

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

ISO Proposal for a New Field of ISO Technical Activity

Natural and Engineered Stones

Comment Deadline: August 30, 2019

UNI, the ISO member body for Italy, has submitted to ISO a proposal for a new field of ISO technical activity standard on natural and engineered stones, with the following scope statement:

Definitions, requirements and test methods for natural stones relating to rough blocks, slabs, semi-finished and finished products intended for use in building and for monuments and for engineered stones with resin or cement binders or a combination of the two, intended for use in countertops and vanities, floor and wall coverings, ancillary uses, for interior and exterior.

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, August 30, 2019.

U.S. Technical Advisory Groups

Application for Accreditation

U.S. Technical Advisory Group (TAG) to ISO TC 154, Processes, Data elements and documents in Commerce, Industry and Administration

Comment Deadline: August 19, 2019

Open Applications Group, Inc. has submitted an Application for Accreditation for a new proposed U.S. Technical Advisory Group (TAG) to ISO TC 154, Processes, data elements and documents in commerce, industry and administration, and a request for approval as TAG Administrator. The proposed TAG intends to operate using the Model Operating Procedures for U.S. Technical Advisory Groups to ANSI for ISO Activities as contained in Annex A of the ANSI International Procedures.

To obtain a copy of the TAG application or to offer comments, please contact: Mr. James A. Wilson, President and CEO, Open Applications Group, Inc., P.O. Box 4897, Marietta, GA 30061-4897; phone: 816.516.8847; e-mail: Jim.Wilson@OAGi.org (please copy jthompo@ansi.org). Please submit your comments by August 19, 2019.

Meeting Notices

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

Meeting Date: Monday, September 23, 2019- 8:00 AM – 4:00 PM CST

Meeting Location: Peppermill Reno, 2707 S. Virginia St., Reno, Nevada 89502--(Teleconference information available upon request)

Purpose: This is the annual ANSI B109 meeting. Updates will be given for each of the B109 standards.

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



American National Standards (ANS) – Where to find Procedures, Guidance, Interpretations and More...

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

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

If you have a question about the ANS process and cannot find the answer quickly, please send an email to psa@ansi.org.

Please also visit Standards Boost Business at www.standardsboostbusiness.org for resources about why standards matter, testimonials, case studies, FAQs and more.

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

INCITS Technical Committee on Governance of IT Seeks Subject Matter Experts

[INCITS/GIT1, Governance of IT](#), is looking to broaden its membership of subject matter experts, senior practitioners and those that are generally concerned about governance and business process outsourcing (BPO). JTC 1/SC 40 is the international subcommittee on IT Service Management and IT Governance, and INCITS/GIT1 is the voice of the US community in that standards committee. JTC 1/SC 40 also maintains a portfolio of standards supporting the relationship of ISO standards to other management models, such as ITIL®, CMMI®, and COBIT®.

For CIOs, collaborating with INCITS/GIT1 and ISO provides reflections and insights into real-world standards business drivers which may affect their organizations.

For senior service managers and experts, participating in INCITS/GIT1 is a unique opportunity to work with deeply experienced peers and to expand a national and international network.

Members of this group have a unique opportunity to make their voices heard on governance and service management standards and to collaborate with experienced peers, while serving the broad community of service organizations.

Membership also provides the opportunity for leadership roles; the US contributed two editors to SC 40 international standards and the Chair of INCITS/GIT1 is the leader of the working group developing ISO/IEC 20000.

Members participate in three to four virtual meetings per year and are encouraged to contribute comments and reviews of standards. All members are also eligible to attend national and international meetings in person. To learn more about membership in INCITS/GIT1. Visit <http://www.incits.org/participation/membership-info> or contact Lynn Barra at Lbarra@itic.org

INCITS Technical Committee on Internet of Things and Related Technologies Seeks Subject Matter Experts

[INCITS/IoT](#), the US Technical Committee for ISO/IEC JTC 1/SC 41 on the Internet of Things and Related Technologies, represents US interests in the development of international standards. The committee is actively working on foundational standards, interoperability, and use cases for the Internet of Things and related technologies that include applications in: industrial IoT, wearables, Smart Cities, utilities & Smart Grid, agriculture, societal and human factors in IoT based services, Integration of IoT and blockchain, Swarm intelligence for IoT, etc.

One of the key activities has been the development of a “Reference Architecture” that will allow developers and users to have a comprehensive view on the Internet of Things (IoT) to deploy or use IoT and related technologies. The development of interoperability standards and use cases will further enable effective IoT implementations.

Members of this group have a unique opportunity to make their voices heard on the development of standards and use cases on IoT and the related technologies and to collaborate with experienced peers, while serving the broad community of service organizations.

Membership also provides the opportunity for international leadership roles. For example, one of the US experts chairs the international Work Group responsible for Foundational Standards, the key for effective IoT implementation.

Members participate in three to four virtual meetings per year and one to two face-to-face meetings per year and are encouraged to contribute comments and reviews of standards. All members are also eligible to attend national and international meetings in person. To learn more about membership in INCITS/IoT, visit <http://www.incits.org/participation/membership-info> or contact Lynn Barra at Lbarra@itic.org.



**BSR/ASHRAE Addendum b to
ANSI/ASHRAE Standard 52.2-2017**

Public Review Draft

**Proposed Addendum b to
Standard 52.2-2017, Method of
Testing General Ventilation Air
Cleaning Devices for Removal
Efficiency by Particle Size**

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

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

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

The appearance of any technical data or editorial material in this public review document does not constitute endorsement, warranty, or guaranty by 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 Addendum b to ANSI/ASHRAE Standard 52.2-2017, *Method of Testing General Ventilation Air Cleaning Devices for Removal Efficiency by Particle Size*
First Public Review Draft

(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

Interest in specifically-sized particulate matter, especially in the PM₁ and PM_{2.5} size ranges as specified by the Environmental Protection Agency, has grown over recent years. This led to requests for filter efficiency values, based on mass collected below these particle sizes. Because of this, the committee has elected to include in each report an estimation for the removal efficiency of PM₁, PM_{2.5}, and PM₁₀.

The calculation of removal efficiency by mass requires a choice of upstream particle size distribution (psd). Since this distribution varies significantly both inside and outside, a wide variety of psd were used to calculate removal efficiencies for each size range. It was determined that a simple flat distribution gives a reasonable approximation for most of the distributions. So, this addendum adds calculations to the test method to produce PM-based removal efficiencies to be included in the standard test reports. The test itself is unchanged. In addition, this method would allow labs and companies to use existing ASHRAE/ANSI 52.2-2017 data to calculate these values for already tested filters.

The goal of this addendum is to give the end user a simple method to select a filter based on an estimated percent removal efficiency for PM₁, PM_{2.5}, and PM₁₀ depending on which they need.

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

Addendum to 52.2-2017 to add PM_{EST}

Modify the standard as follows.

3.0 DEFINITIONS AND ACRONYMS

3.1 Definitions

particulate matter (PM): mass concentrations of particles of certain sizes in the air.

3.2 Acronyms

PMEST Calculated filter efficiency for particulate matter removal, estimated

10. DETERMINATION OF PARTICLE SIZE EFFICIENCY

10.8 Reporting Results of Loading Tests

10.8.4 The data points from the Section 10.8.2 composite curve in each of the three size range groups from Table 10-3 shall be averaged and the resultant three average minimum PSEs PM_{1EST}, PM_{2.5EST}, and PM_{10EST} shall be reported.

10.8.54

BSR/ASHRAE Addendum b to ANSI/ASHRAE Standard 52.2-2017, *Method of Testing General Ventilation Air Cleaning Devices for Removal Efficiency by Particle Size*
First Public Review Draft

10.8.65

10.8.76

Table 10-3 Size Range Groups

<u>Average Minimum PSE Designator</u>	<u>Corresponding Size Range Group, μm</u>
<u>$PM1_{EST}$</u>	<u>0.30 to 1.0</u>
<u>$PM2.5_{EST}$</u>	<u>0.30 to 3.0</u>
<u>$PM10_{EST}$</u>	<u>0.30 to 10</u>

11. REPORTING RESULTS

m. Particulate matter efficiency (PM_{EST})

1. The average of the minimum PSE of the four size ranges from 0.30 to 1.0 μm ($PM1_{EST}$)
2. The average of the minimum PSE of the eight size ranges from 0.30 to 3.0 μm ($PM2.5_{EST}$)
3. The average of the minimum PSE of the twelve size ranges from 0.30 to 10.0 μm ($PM10_{EST}$)

nn.

on.

pe.

INFORMATIVE APPENDIX J

J11.3 Particulate matter efficiency (PM_{EST}) according to Appendix J

- a. The average of the minimum PSE of the four size ranges from 0.30 to 1.0 μm ($PM1_{EST-A}$)
- b. The average of the minimum PSE of the eight size ranges from 0.30 to 3.0 μm ($PM2.5_{EST-A}$)
- c. The average of the minimum PSE of the twelve size ranges from 0.30 to 10.0 μm ($PM10_{EST-A}$)

J11.34 Minimum Efficiency Reporting Value (MERV-A) According to Appendix J for Air Cleaners

J11.34.1 The minimum efficiency reporting value (MERV-A) for an air cleaner shall be based on three composite average PSE points developed from a test at a manufacturer's specified airflow rate selected in accordance with Section 8.1. Dust loading shall follow the procedure outlined in Section 10.7 except substituting Section J10 of this appendix for Section 10.7.1.2(b) of the standard. The results of the tests shall be reported in accordance with Sections 10.8.1 and 10.8.2. The four data points from the Section 10.8.2 composite curve in each of the three size range groups from Table J-1 shall be averaged and the resultant three average minimum PSEs (E_1-A , E_2-A , and E_3-A) shall be reported. Likewise, the data points from the Section 10.8.2 composite curve in each of the three size range groups from Table J-2 shall be averaged and the resultant three average minimum PSEs $PM1_{EST-A}$, $PM2.5_{EST-A}$, and $PM10_{EST-A}$ shall be reported.

BSR/ASHRAE Addendum b to ANSI/ASHRAE Standard 52.2-2017, *Method of Testing General Ventilation Air Cleaning Devices for Removal Efficiency by Particle Size*
 First Public Review Draft

J11.34.2

J11.43.3

Table J-2 Size Range Groups

<u>Average Minimum PSE Designator</u>	<u>Corresponding Size Range Group, μm</u>
<u>PM_{1EST-A}</u>	<u>0.30 to 1.0</u>
<u>$PM_{2.5EST-A}$</u>	<u>0.30 to 3.0</u>
<u>$PM_{10EST-A}$</u>	<u>0.30 to 10</u>

Table J-23 KCI Conditioned Per Appendix J Minimum Efficiency Reporting Value (MERV-A) Parameters



**BSR/ASHRAE Addendum i
to ANSI/ASHRAE Standard 90.4-2016**

Public Review Draft

**Proposed Addendum i to
Standard 90.4-2016, *Energy Standard
for Data Centers***

**First Public Review (July 2019)
(Draft Shows Proposed Changes to Current Standard)**

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

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

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

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(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

Recent coordination efforts between SSPC 90.1 and SSPC 90.4 have created an interconnection between the two standards that allows 90.1 compliant buildings to use the provisions of 90.4 for qualifying portions of the building. As such, it is ideal for each standard to reference the most updated version of its counterpart. 90.1-2019 will be published in October 2019, and the addendum that creates the path to 90.4 (90.1-2016 Addendum bv) was approved for publication on January 2019.

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

Addendum i to 90.4-2016

Modify Section 12 as follows:

12. NORMATIVE REFERENCES

Reference	Title
ASHRAE 1791 Tullie Circle NE Atlanta, GA 30329-2305, United States 1-404-636-8400; www.ashrae.org	
ANSI/ASHRAE/IES Standard 90.1- 2016 2019	Energy Standard for Buildings Except Low-Rise Residential Buildings
ANSI/ASHRAE Standard 169-2013	Climatic Data for Building Design Standards
R.S. Briggs, R.G. Lucas, and Z.T. Taylor (paper)	Climate Classification for Building Energy Codes and Standards Part 1— Thermal Guidelines for Data Processing Environments



National Green Building Standard™

2020 UPDATE

2020 National Green Building Standard ANSI Standard Revision Process

Final Actions on Public Comments on Second Draft Standard

Request for Public Comment

July 8, 2019

The changes made to the Second Draft Standard are now opened for public comment. Only the changes shown in legislative format are open for public comment. Public comments are accepted through **August 18, 2019** via a web-based form available at www.homeinnovation.com/NGBS. Instructions for submitting public comments are included with the web-based form.

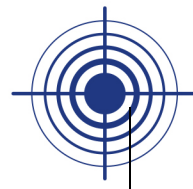
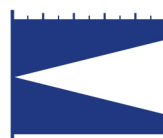
CHAPTER 3: COMPLIANCE METHOD

301.1.1 Non-residential spaces. Non-residential spaces in mixed-use buildings shall comply with Chapter 13 (Commercial Spaces/Mix Use Chapter) of this Standard or [Section 501.3.7.2 and](#) Chapters 6-10 of the ICC International Green Construction Code (IgCC), excluding §6.3.1.

CHAPTER 13: COMMERCIAL SPACES NEW CONSTRUCTION

13.102.1.4 Alternate compliance. Non-residential portions of a building shall comply with [Section 501.3.7.2 and](#) Chapters 6 through 10 of the International Green Construction Code (IgCC).

Exception: Section 6.3.1 of the IgCC.



Canvass and Public Review and Comment Proposed Revision to Draft Standard



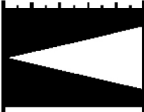

PLATO FL 1





2018-2019 Revision Cycle

July 2019 Review and Comment

3.4.2.2 Icon Table (Two or More Settings/Functions)

If the manufacturer determines to provide information for multiple settings/functions of the lighting device, then the required format will be in a table. ~~The required table format is shown below. One of the-~~ The formats shall be substantially similar to one of the tables shown below ~~are required.~~

FL 1 STANDARD	MODE 1	MODE 2
	000 LUMENS	000 LUMENS
	00h	00h
	000m	000m
	0000cd	0000cd

FL 1 STANDARD				
				
MODE 1	000 LUMENS	00h	000m	0000cd
MODE 2	000 LUMENS	00h	000m	0000cd

The manufacturer will replace “Mode 1” and “Mode 2” in one of the ~~top row of the chart icon tables~~ with the proper identifier as determined by the manufacturer.

There are four performance criteria that could change with multiple settings/functions of the lighting device: Light Output, Run Time, Beam Distance and Peak Beam Intensity. The manufacturer can determine which of the performance criteria to display in the table. Any ~~row~~ of the performance criteria shown in one of the tables not being displayed can be eliminated from the table as needed.

If more than two modes need to be displayed, additional columns or rows can be added as required. ~~The top row of each column must remain the identifier of the light setting/function.~~

There is no size requirement for this table as long as the proportions remain consistent to the format shown above, and the information is easily legible when displayed on the packaging.

The logo for PLATO, consisting of the word "PLATO" in a bold, blue, sans-serif font with a registered trademark symbol.

BSR/UL 499, Standard for Electric Heating Appliances

1. Battery Operated Electric Heating Appliances

14.4.2.1 A low-voltage circuit is one involving a potential of not more than 30 V (42.4 volts peak) and supplied by a primary battery, by a standard Class 2 transformer, or by an impedance which, as a unit, complies with all of the performance requirements for a Class 2 transformer—with a voltage not exceeding:

- a) 30 V rms,
- b) 42.4 V peak,
- c) 60 V dc continuous for dry locations, or
- d) 30 V dc continuous for wet locations.

SB1.2 This Supplement is not applicable to products complying with Supplement SC.

SUPPLEMENT SC - LITHIUM BATTERY OPERATED ELECTRIC HEATING APPLIANCES

SC1 Scope

SC1.1 These requirements cover battery operated heating appliances and shall comply with the applicable requirements of this Standard, except as modified or added to by the requirements in this supplement.

SC1.2 This Supplement is not applicable to products complying with Supplement SB.

SC1.3 These requirements do not cover appliances with user replaceable battery cells, see 3.9 of the Standard for General Requirements for Battery-Powered Appliances, UL 2595.

CONSTRUCTION

SC2 General

SC2.1 The construction of the battery system shall comply with the requirements of the Standard for General Requirements for Battery-Powered Appliances, UL 2595 as indicated in Table SC2. Requirements noted as not applicable shall comply with the applicable requirements of UL 499.

Table SC2
UL 2595 Construction Requirements

<u>REQUIREMENT</u>	<u>UL 2595 REFERENCE</u>	<u>DEVIATIONS</u>
<u>Classification</u>	<u>4</u>	<p>Appliances for use and marked "Use Indoors" are considered Low Temperature (LT = 0°C).</p> <p>Appliances for use outdoors are considered Extra-Low Temperature (ELT = -35°C).</p>
<u>Protection from Electric Shock</u>	<u>8</u>	<p>Not applicable, UL 499 applies.</p> <p>An appliance operating from a low-voltage battery is to be evaluated only for the risk of fire and personal injury in accordance with the applicable requirements of the Standard and the Standard for General Requirements for Battery-Powered Appliance, UL 2595.</p>

<u>Mechanical Hazards</u>	<u>12</u>	<u>Not applicable, UL 499 applies.</u>
<u>Construction</u>	<u>16</u>	<p><u>The battery compartment shall be so designed as to only permit insertion of the battery specified by the manufacturer.</u></p> <p><i>Exception: This does not apply to a device for which the batteries are an integral part of the device and are not intended to be user replaceable.</i></p> <p><u>The battery compartment shall be so designed as to prohibit direct replacement of individual cells.</u></p>
<u>Internal Wiring</u>	<u>17</u>	<u>Not applicable, UL 499 applies.</u>
<u>Components</u>	<u>18</u>	<p><u>18.1 – 18.5 are not applicable.</u></p> <p><u>A switch that initiates a heating function shall:</u></p> <p>a) <u>Have a switch actuator that requires two separate and dissimilar actions before the appliance operates; or</u></p> <p>b) <u>Be guarded to prevent unintentional activation. The heating element shall not operate when applying a cylindrical rod to the switch actuator. The cylindrical rod shall have a diameter of 40 mm and a hemispherical end. The hemispherical end of the test rod is applied at any direction with a force not exceeding 5 N.</u></p>
<u>Appliances Intended to be Charged by an Automotive Adapter</u>	<u>23</u>	<u>UL 2595 applies, except 23.1(e) is not applicable.</u>
<u>Charging System Powered by a Universal Serial Bus Power Source(s)</u>	<u>24</u>	<u>The test voltage of 24.1(e) shall be 1.05 times the voltage rating corresponding to its intended USB configuration.</u>
<u>USB</u>	<u>25</u>	<u>UL 2595 applies.</u>

PERFORMANCE

SC3 General

SC3.1 The appliance shall comply with the tests of the Standard for General Requirements for Battery-Powered Appliances, UL 2595, as indicated in Table SC3. Requirements noted as not applicable shall comply with the applicable requirements of this Standard.

Table SC3
UL 2595 Performance Requirements

<u>TEST</u>	<u>UL 2595 REFERENCE</u>	<u>DEVIATIONS</u>
<u>General Conditions for the Test</u>	<u>5</u>	<u>UL 2595 applies.</u>
<u>Heating</u>	<u>9</u>	<u>This test is performed on batteries without imbalance conditions. The test</u>

		<p>is performed by charging a fully discharged battery. Once fully charged, the test is immediately continued by operating the product until the product ceases to operate due to a discharged battery state.</p> <p>Table 9.1 is superseded by Table 36.2 of UL 499.</p> <p>The battery cell temperature shall not exceed the battery cell manufacturers maximum declared temperature rating.</p>
<u>Normal Charging of Lithium-ion Systems</u>	<u>10</u>	The battery cell temperature shall not exceed the battery cell manufacturers maximum declared temperature rating.
<u>Abnormal Operation</u>	<u>11</u>	<p>Compliance to the Standard for Automatic Electrical Controls - Part 1: General Requirements, UL 60730-1, fulfills 11.2 – 11.6.</p> <p>The battery cell temperature shall not exceed the battery cell manufacturers maximum declared temperature rating.</p>
<u>Vibration for Lithium-Ion Batteries</u>	<u>13</u>	Applicable only to appliances with motors.
<u>Lithium-Ion Enclosure Pressure</u>	<u>14</u>	UL 2595 applies.
<u>Mechanical Strength</u>	<u>15</u>	The drop height of 15.2(a) shall be 3 ft (914 mm).
<u>Supply Connection and External Flexible Cord</u>	<u>19</u>	Not applicable, UL 499 applies.
<u>Creepage and Clearance and Distances Through Insulation</u>	<u>20</u>	Not applicable, UL 499 applies.
<u>Resistance to Heat and Fire</u>	<u>21</u>	Not applicable, UL 499 applies.
<u>Additional Requirements for Battery Operated Appliances with a Connection to Mains or Non-Isolated Source</u>	<u>22</u>	Not applicable, UL 499 applies.
<u>Appliances Intended to be Charged by an Automotive Adapter</u>	<u>23</u>	UL 2595 applies, except 23.1(e) is not applicable.
<u>Charging System Powered by a Universal Serial Bus Power Source(s)</u>	<u>24</u>	The test voltage of 24.1(e) shall be 1.05 times the voltage rating corresponding to its intended USB configuration.
<u>USB</u>	<u>25</u>	UL 2595 applies.

MARKINGS

SC4 General

SC4.1 Markings shall comply with the requirements of the Standard for General Requirements for Battery-Powered Appliances, UL 2595, as indicated in Table SC4.

Table SC4
UL 2595 Markings Requirements

<u>REQUIREMENT</u>	<u>UL 2595 REFERENCE</u>	<u>DEVIATIONS</u>
Markings	<u>6</u>	For handheld products, the minimum

		letter height of 6.4 shall be less than 0.8 in (2.0 mm).
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INSTRUCTIONS

SC5 General

SC5.1 Instructions of the battery system shall comply with the requirements of the Standard for General Requirements for Battery-Powered Appliances, UL 2595, as indicated in Table SC5.

Table SC5
UL 2595 Instructions Requirements

<u>REQUIREMENT</u>	<u>UL 2595 REFERENCE</u>	<u>DEVIATIONS</u>
Instructions	7	UL 2595 applies.

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

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

28.1 The maximum external module surface temperature during the test as located by infrared camera and measured by thermocouples shall not exceed 150°C (302°F), ~~in accordance with Table 19.1,~~ and there shall be no flaming of the module or panel itself for 15 s or more, nor charring of the module or underlying support, when a reverse current equal to 135 percent of the module or panel series overcurrent protective device rating current (See 47.10) is caused to flow through the module or panel in accordance with 28.1A. The type of thermocouples are to be appropriate for the maximum permitted temperature (for example types T, K and E per the IEC 60584 standards for thermocouples). The test shall be conducted at ambient air temperature of 20 ±5°C (68 ±9°F) in an environment where the ambient air is still with no forced circulation.

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

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

Note: Annex B of the Standard for Photovoltaic System Performance - Part 1: Monitoring, UL 61724-1, covers guidelines for PV module temperature measurement for performance measurements or for monitoring. Attachment of thermocouples per this reference is recommended. Tape may not be a likely candidate for the attachment means.

28.2 To determine whether a module or panel complies with the requirements in 28.1, a module or panel shall be mounted with the module sunny side down. The front to underlying surface clearance shall be the clearance specified in accordance with the manufacturer's mounting instructions. If the instructions offer more than one option, the option providing the worst-case ~~thermal conditions~~ clearance shall be used. If no

indications have been provided for spacing, ~~the test PV module shall be mounted horizontally and directly flat on a 3/4 in (19.1 mm) thick pine board with a minimum of 3 in (76.2 mm) air spacing between the module frontsheet surface and the underlying plane.~~ or If the module manufacturer allows mounting flush to the supporting surface within the product mounting guidelines, ~~this spacing may be eliminated and the module front placed shall be mounted~~ in contact on a solid support that has sufficient mechanical strength to avoid warping under temperature influence. The thermal conductivity of the support shall be not higher than $0.5 \text{ W}/(\text{m}^2\cdot\text{K})$.

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

28.4 The test required by 28.1 is to be conducted in an area free of drafts, forced air circulation, and at an ambient temperature of $20 \pm 5^\circ\text{C}$ ($68 \pm 9^\circ\text{F}$), and the irradiance on the module or panel is to be less than $5 \text{ mW}/\text{cm}^2$.

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

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**BSR/UL 60335-2-72, Standard for Safety for Household and Similar Electrical Appliances
- Safety - Part 2-72: Particular Requirements for Floor Treatment Machines With or
Without Traction Drive, for Commercial Use**

1. Proposed revision to 20.104.DV.3

20.104.DV.3 The PARKING BRAKE, if any, shall be applied with a force not exceeding ~~200 N.~~

- 400 N, for hand operation, and
- 600 N, for foot operation.

2. Proposed revision to 25.1DV

25.1DV D2 *Modification by adding the following to Clause 25.1 of the Part 1:*

25.1.DV.1 The length of the detachable or nondetachable supply cord shall be at least 4,6 m, including fittings, except for supply cords used exclusively for on-board charging.

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