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# Project Initiation Notification System (PINS)

Section 2.5.1 of the *ANSI Essential Requirements* ([www.ansi.org/essentialrequirements](http://www.ansi.org/essentialrequirements)) describes the Project Initiation Notification System (PINS) and includes requirements associated with a PINS Deliberation. Following is a list of PINS notices submitted for publication in this issue of ANSI Standards Action by ANSI-Accredited Standards Developers (ASDs). Please also review the section in Standards Action entitled "American National Standards Maintained Under Continuous Maintenance" for information about American National Standards (ANS) maintained under the continuous maintenance option, as a PINS to initiate a revision of such standards is not required. 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 interested parties wishing to receive more information or to submit comments are to contact the sponsoring ANSI-Accredited Standards Developer directly **within 30 calendar days** of the publication of this PINS announcement.

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

Carl Jordan <[cjordan@ashrae.org](mailto:cjordan@ashrae.org)> | 180 Technology Parkway | Peachtree Corners, GA 30092 [www.ashrae.org](http://www.ashrae.org)

### Revision

BSR/ASHRAE 41.6-202x, Standard Methods for Humidity Measurement (revision of ANSI/ASHRAE Standard 41.6-2021)

Stakeholders: (a) Higher-tier ASHRAE standards committees will benefit because it will be easier for higher-tier standards committees to adopt the revised version of 41.7 by reference, (b) HVAC test facilities fabricators will benefit from the pretest uncertainty requirements that will be in the revised version of 41.7, (c) Gas flow measuring instruments that are developed or tested using the revised version of 41.7 will benefit gas utilities who deliver and monitor city gas usage to residential and commercial consumers.

Project Need: The primary reasons that this standard is being revised instead of reaffirmed are: (a) to update the standard to make it easier for the higher-tier ASHRAE standards committees to adopt this standard by reference, (b) to update the steady-state criteria requirements, and (c) to update the uncertainty requirements.

Interest Categories: Producer, User, General.

1. PURPOSE: This standard prescribes methods for measuring the humidity of moist air with instruments. 2. SCOPE: 2.1 This standard applies to the measurement of humidity of moist air from sea level to 3048 m (10,000 ft), and within the dry-bulb temperature range of -50°C to 160°C (-58°F to 320°F), and within the dew point temperature range of -50°C to 99°C (-58°F to 210°F). 2.2 This standard applies to methods for the measurement of wet-bulb temperature, dew-point temperature and relative humidity. 2.3 This standard requires determining the uncertainty of direct humidity measurements due to various sources of errors. Standard 41.6-2021R is being revised by SSPC 41. Revision project approved by SSPC 41 February 2024. (Standard 41.6 is on Periodic Maintenance.)

## AWWA (American Water Works Association)

Madeline Rohr <[mrohr@awwa.org](mailto:mrohr@awwa.org)> | 6666 W. Quincy Avenue | Denver, CO 80235 [www.awwa.org](http://www.awwa.org)

### New Standard

BSR/AWWA DANT-202x, Installation of Antennas for Water Towers (new standard)

Stakeholders: Drinking water treatment and supply industry. Water utilities, consulting engineers, water treatment equipment manufacturers, telecom industry manufacturers and consultants, the like.

Project Need: At present, there is not a universal reference document that provides requirements or recommendations to address the specific and unique structural design requirements applicable to antenna installations on water towers. This standard will provide the minimum requirements for the structural design of antenna installations on water towers, as well as requirements and recommendations for tank operation, access, safety, risk level, structural integrity, detailing, maintenance, and asset preservation.

Interest Categories: User, Producer, and General Interest

The purpose of this standard is to provide the minimum requirements for the structural design of antenna installations on water towers, as well as requirements and recommendations for tank operation, access, safety, risk level, structural integrity, detailing, maintenance, and asset preservation.

**ECIA (Electronic Components Industry Association)**

Laura Donohoe <[ldonohoe@ecianow.org](mailto:ldonohoe@ecianow.org)> | 13873 Park Center Road, Suite 315 | Herndon, VA 20171 [www.ecianow.org](http://www.ecianow.org)

**Reaffirmation**

BSR/EIA 364-14B-1999 (R202x), Ozone Exposure Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-14B-1999 (R2019))

Stakeholders: Electronics, electrical and telecommunications industries

Project Need: Reaffirm current American National Standard

Interest Categories: User, Producer, General Interest

This standard establishes a test method to assess the ability of connectors to withstand the effects of controlled amounts of ozone and still maintain effective environmental protection.

**ECIA (Electronic Components Industry Association)**

Laura Donohoe <[ldonohoe@ecianow.org](mailto:ldonohoe@ecianow.org)> | 13873 Park Center Road, Suite 315 | Herndon, VA 20171 [www.ecianow.org](http://www.ecianow.org)

**Reaffirmation**

BSR/EIA 364-18B-2007 (R202x), Visual and Dimensional Inspection Test Procedure for Electrical Connectors, and Sockets (reaffirmation of ANSI/EIA 364-18B-2007 (R2019))

Stakeholders: Electronics, electrical and telecommunications industries

Project Need: Reaffirm current American National Standard

Interest Categories: User, Producer, General Interest

This standard establishes guidelines for visual and dimensional inspection of electrical connectors and sockets prior to, during, and after other test procedures.

**ECIA (Electronic Components Industry Association)**

Laura Donohoe <[ldonohoe@ecianow.org](mailto:ldonohoe@ecianow.org)> | 13873 Park Center Road, Suite 315 | Herndon, VA 20171 [www.ecianow.org](http://www.ecianow.org)

**Reaffirmation**

BSR/EIA 364-36B-2006 (R202x), Determination of Gas-Tight Characteristics Test Procedure for Electrical Connectors, and/or Contact Systems (reaffirmation of ANSI/EIA 364-36B-2006 (R2019))

Stakeholders: Electronics, electrical and telecommunications industries

Project Need: Reaffirm current American National Standard

Interest Categories: User, Producer, General Interest

This procedure is to determine the integrity of contacting surfaces (at the mating and/or termination areas) by assessment of the gas tight characteristics of the contacting surfaces. The gas tight characteristic simulates the ability of the contacting surfaces to prevent harsh environments from penetrating between them and forming oxides and/or films that will degrade electrical performance. It is recommended for contacts and/or connector (socket) assemblies directly exposed to outside environments or those that are in uncontrolled environments (internal or external to electronic packaging).

**ECIA (Electronic Components Industry Association)**

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**Reaffirmation**

BSR/EIA 364-39B-1999 (R202x), Hydrostatic Test Procedure for Electrical Connectors, Contacts and Sockets (reaffirmation of ANSI/EIA 364-39B-1999 (R2019))

Stakeholders: Electronics, electrical and telecommunications industries

Project Need: Reaffirm current American National Standard

Interest Categories: User, Producer, General Interest

This standard establishes a test method to assess the ability of unmated receptacles and wired mated harness to withstand hydrostatic pressures that are encountered in the undersea environment.

**ECIA (Electronic Components Industry Association)**

Laura Donohoe <[ldonohoe@ecianow.org](mailto:ldonohoe@ecianow.org)> | 13873 Park Center Road, Suite 315 | Herndon, VA 20171 [www.ecianow.org](http://www.ecianow.org)

**Reaffirmation**

BSR/EIA 364-43C-2013 (R202x), Cable Clamping (Bending Moment) Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-43C-2013 (R2019))

Stakeholders: Electronics, electrical and telecommunications industries

Project Need: Reaffirm current American National Standard

Interest Categories: User, Producer, General Interest

This standard establishes a test method to determine the ability of connectors to withstand stress resulting from loads applied to rear accessory hardware such as might be experienced with cables hanging from plugs mated to wall-mounted receptacles.

**ECIA (Electronic Components Industry Association)**

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**Reaffirmation**

BSR/EIA 364-45C-2012 (R202x), Firewall Flame Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-45C-2012 (R2019))

Stakeholders: Electronics, electrical and telecommunications industries

Project Need: Reaffirm current American National Standard

Interest Categories: User, Producer, General Interest

This standard establishes a test method to determine the ability of a mated pair of electrical firewall connectors to resist specified flame and vibration conditions during 20 minutes of exposure by preventing flames from breaching the firewall through the connectors and providing specific electrical performance for the first 6 minutes.

**ECIA (Electronic Components Industry Association)**

Laura Donohoe <[ldonohoe@ecianow.org](mailto:ldonohoe@ecianow.org)> | 13873 Park Center Road, Suite 315 | Herndon, VA 20171 [www.ecianow.org](http://www.ecianow.org)

**Reaffirmation**

BSR/EIA 364-50B-2012 (R202x), Dust (Fine Sand) Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-50B-2012 (R2019))

Stakeholders: Electronics, electrical and telecommunications industries

Project Need: Reaffirm current American National Standard

Interest Categories: User, Producer, General Interest

This standard establishes a method to ascertain the ability of fully wired connector assemblies to resist the effects of dry dust (fine sand) laden atmosphere.

**ECIA (Electronic Components Industry Association)**

Laura Donohoe <[ldonohoe@ecianow.org](mailto:ldonohoe@ecianow.org)> | 13873 Park Center Road, Suite 315 | Herndon, VA 20171 [www.ecianow.org](http://www.ecianow.org)

**Reaffirmation**

BSR/EIA 364-59A-2006 (R202x), Low Temperature Test Procedure for Electrical Connectors and Sockets (reaffirmation of ANSI/EIA 364-59A-2006 (R2019))

Stakeholders: Electronics, electrical and telecommunications industries

Project Need: Reaffirm current American National Standard

Interest Categories: User, Producer, General Interest

This standard establishes a test method for exposing electrical connectors and sockets to low temperature for a specified duration.

**ECIA (Electronic Components Industry Association)**

Laura Donohoe <[ldonohoe@ecianow.org](mailto:ldonohoe@ecianow.org)> | 13873 Park Center Road, Suite 315 | Herndon, VA 20171 [www.ecianow.org](http://www.ecianow.org)

**Reaffirmation**

BSR/EIA 364-66A-2000 (R202x), EMI Shielding Effectiveness Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-66A-2000 (R2019))

Stakeholders: Electronics, electrical and telecommunications industries

Project Need: Reaffirm current American National Standard

Interest Categories: User, Producer, General Interest

This standard establishes test methods for the measurement of the EMI shielding effectiveness of electrical connectors over the frequency range of 1.0 GHz to 10.0 GHz using the mode-stirred technique. The procedure applies to both circular and rectangular connectors.

**ECIA (Electronic Components Industry Association)**

Laura Donohoe <[ldonohoe@ecianow.org](mailto:ldonohoe@ecianow.org)> | 13873 Park Center Road, Suite 315 | Herndon, VA 20171 [www.ecianow.org](http://www.ecianow.org)

**Reaffirmation**

BSR/EIA 364-100A-2012 (R202x), Marking Permanence Test Procedure for Electrical Connectors and Sockets (reaffirmation of ANSI/EIA 364-100A-2012 (R2019))

Stakeholders: Electronics, electrical and telecommunications industries

Project Need: Reaffirm current American National Standard

Interest Categories: User, Producer, General Interest

This standard establishes a method of determining the marking permanence of electrical connectors and sockets.

**ECIA (Electronic Components Industry Association)**

Laura Donohoe <[ldonohoe@ecianow.org](mailto:ldonohoe@ecianow.org)> | 13873 Park Center Road, Suite 315 | Herndon, VA 20171 [www.ecianow.org](http://www.ecianow.org)

**Reaffirmation**

BSR/EIA 364-101-2000 (R202x), Attenuation Test Procedure for Electrical Connectors, Sockets, Cable Assemblies or Interconnection Systems (reaffirmation of ANSI/EIA 364-101-2000 (R2019))

Stakeholders: Electronics, electrical and telecommunications industries

Project Need: Reaffirm current American National Standard

Interest Categories: User, Producer, General Interest

This standard is applicable to electrical connectors, sockets, cable assemblies or interconnection systems.

**ECIA (Electronic Components Industry Association)**

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**Reaffirmation**

BSR/EIA 364-106-2000 (R202x), Standing Wave Ratio (SWR) Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-106-2000 (R2019))

Stakeholders: Electronics, electrical and telecommunications industries

Project Need: Reaffirm current American National Standard

Interest Categories: User, Producer, General Interest

This standard establishes test methods to evaluate existing standing wave ratio (SWR) of connectors, coaxial, radio frequency (RF). Measured SWR shall not exceed that specified over the frequency range specified.

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

Terry Burger <[terry.burger@asse-plumbing.org](mailto:terry.burger@asse-plumbing.org)> | 18927 Hickory Creek Drive, Suite 220 | Mokena, IL 60448 [www.asse-plumbing.org](http://www.asse-plumbing.org)

**Revision**

BSR/ASSE 1087-202x, Performance Requirements for Commercial and Food Service Water Treatment Equipment Utilizing Drinking Water (revision of ANSI/ASSE 1087-2022)

Stakeholders: Architects, Plumbing contractors, Codes officials, Manufacturers, plumbing installers, plumbing engineers and specifiers

Project Need: Revise the standard to clarify the scope.

Interest Categories: Manufacturer, User, Installer/Maintainer, Research/Standards/Testing Laboratory, Enforcing Authority, Consumer, General Interest

Commercial water treatment equipment is used in point-of-entry (POE) and point-of-use (POU) applications connected to building plumbing to improve the water quality characteristics of potable water. This standard includes testing requirements for components and complete systems. Electrical compliance is not covered by the standard.

**NAAMM (National Association of Architectural Metal Manufacturers)**

Ike Flory <[ifnaamm@gmail.com](mailto:ifnaamm@gmail.com)> | 1533 Pine Grove Lane | Chesapeake, VA 23321 [www.naamm.org](http://www.naamm.org)

**Revision**

BSR/NAAMM HMMA 863-2024-202x, Guide Specifications for Detention Security Hollow Metal Doors and Frames (revision of ANSI/NAAMM HMMA 863-2014)

Stakeholders: Engineers, Architects, and members of the Hollow Metal industry.

Project Need: This standard addresses the specification and use of detention-level hollow metal doors and frames. This standard contains advisory information only, and is published as a public service by NAAMM and its HMMA Division. Several cited references have changed since the last issuance of this standard, as well as as the ANSI Essential Requirements. This revision addresses these issues.

Interest Categories: Producers: An individual or entity that manufactures architectural metal products. Users: Both individuals and representatives of organized groups that purchase, use, or specify architectural metal products.

General Interest: This category includes, but is not limited to, inspectors, technical societies, regulatory agencies (state and federal), researchers, and educators.

This standard has been revised by the HMMA Division of NAAMM to provide opinion and guidance regarding the specification and application of detention-level hollow metal doors and frames.

**NEMA (ASC C18) (National Electrical Manufacturers Association)**

Khaled Masri <[Khaled.Masri@nema.org](mailto:Khaled.Masri@nema.org)> | 1300 North 17th Street, Suite 900 | Arlington, VA 22209 [www.nema.org](http://www.nema.org)

**Revision**

BSR C18.4M-202x, Standard for Portable Cells and Batteries Environmental (revision of ANSI C18.4M-2023)

Stakeholders: Battery manufactures, users, recycling organizations

Project Need: Consolidate new environmental requirements and regulations regarding batteries including: Cobalt in the REACH directive, TSCA, and NORDIC SWAN

Interest Categories: Producers, Users, Laboratories and General Interests

This standard applies to all chemistries of portable primary cells and batteries standardized in the 216 ANSI C18 series.

**NEMA (ASC C18) (National Electrical Manufacturers Association)**

Khaled Masri <[Khaled.Masri@nema.org](mailto:Khaled.Masri@nema.org)> | 1300 North 17th Street, Suite 900 | Arlington, VA 22209 [www.nema.org](http://www.nema.org)

**Revision**

BSR C18.5M Part 1-202x, Portable Lithium Rechargeable Cells and Batteries General and Specifications (revision of ANSI C18.5M Part 1-2023)

Stakeholders: Manufacturers, users and testing laboratories of Portable Rechargeable Cells and Batteries

Project Need: To fill the standards gap for Lithium Ion performance

Interest Categories: Producers, Users and Testing Labs, General Interests

This publication applies to portable rechargeable, or secondary, lithium cells and batteries. This document covers secondary lithium cells and batteries with a range of chemistries. Each electrochemical couple has a characteristic voltage range over which it releases its electrical capacity, a characteristic nominal voltage and a characteristic final voltage during discharge. See Table 1 for further details of the electrochemical systems included in the scope of this standard. This document defines a minimum required level of performance and a standardized methodology by which testing is performed and the results of this testing reported to the user.

**NFPA (National Fire Protection Association)**

Dawn Michele Bellis ([www.nfpa.org/batterysafety](http://www.nfpa.org/batterysafety)) | One Batterymarch Park | Quincy, MA 02169 [www.nfpa.org](http://www.nfpa.org)

**New Standard**

BSR/NFPA 800-202x, Battery Safety Code (new standard)

Stakeholders: Manufacturers of batteries, manufacturers installing batteries, commercial and industrial handlers of batteries, repair technicians, facility managers, electrical workers, battery installation designers, first responders, second responders (e.g., tow truck, salvage, etc.), alternative energy industry, government agencies (e.g., DoT, EPA, etc.), authorities having jurisdiction, insurance, fire protection designers, architects, engineers, warehouse storage facilities, transportation, and hazardous waste disposal industry.

Project Need: Batteries are increasingly being utilized in a widening array of applications. To properly protect against hazards presented by batteries, a holistic approach to battery safety is necessary. Although various standards address specific elements of battery safety, there exists no single code which addresses battery safety comprehensively. To learn more and provide input, please go to [www.nfpa.org/batterysafety](http://www.nfpa.org/batterysafety)

Interest Categories: Manufacturer (M), User (U, Installer/Maintainer (I/M), Labor (L), Applied Research/Testing Laboratory (R/T), Enforcing Authority (E), Insurance (I), Consumer (C), and Special Expert (SE)

Please refer to the following link <https://www.nfpa.org/tcclass> for more information about our classifications

This code will provide uniform minimum requirements of fire, electrical, life safety and property protection from hazards created by batteries, namely fire, explosion, and dangerous conditions related to battery technologies from mining/creation of raw materials through disposal and/or repurposing. Existing standards, such as the suite of UL standards addressing battery safety and testing; IEC standards on performance, safety, and testing; and NFPA standards will be referenced where applicable. To learn more and provide input, please go to [www.nfpa.org/batterysafety](http://www.nfpa.org/batterysafety)

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

Doug Weinbaum <[dweinbaum@resna.org](mailto:dweinbaum@resna.org)> | 2001 K Street, NW, 3rd Floor North | Washington, DC 20006 [www.resna.org](http://www.resna.org)

***National Adoption***

BSR/RESNA WC-3-202x, RESNA Standard for Wheelchairs – Volume 3: Wheelchair Seating (national adoption of ISO 16840-2, 16840-3, 16840-6, 16840-9, 16840-10, 16840-11, 16840-12, 16840-13, 16840-14 and 16840-15 with modifications and revision of ANSI/RESNA WC-3-2018)

Stakeholders: Individuals who use a wheelchair, caregivers and organizations representing the technical needs of persons with mobility impairments, assistive technology practitioners and suppliers of wheelchair and seating devices, the US Food and Drug Administration (FDA that manages wheelchairs as medical devices, the Centers for Medicare & Medicaid Services (CMS) that establishes coding guidelines and reimbursement policy for the provision of mobility technologies, manufacturers of wheelchairs, scooters and wheelchair seating devices, and researchers, designers and test labs for wheelchair and wheelchair seating devices.

Project Need: Several ISO 16840 standards adopted in RESNA WC-3 have been revised (parts 2, 3, and 12) and new parts of the standard series have been published. RESNA WC-3 needs to be revised accordingly. New sections under consideration for adoption include: 16840-9 to address clinical interface pressure mapping guidelines for seating, 16840-10 to address the need for appropriate flammability testing that is not based upon non-clinical furniture standards, 16840-11 to address the need to quantify microclimate conditions that have been identified as a contributor to the risk of pressure injury development, 16840-13 to address the need to assess seat cushion stability, 16840-14 to provide needed technical specifications on use of common terms related to support surface forces and their effects on the human body, and 16840-15 to provide needed technical specifications regarding the selection, placement and fixation of postural support devices.

Interest Categories: Rehabilitation researcher Clinician/prescriber Policy expert, payer, or educator Consumer, advocate, or caregiver Manufacturer/supplier Independent product research and development General

Wheelchair seating as a sub-specialty of rehabilitation services involves the selection and provision of wheelchair seating products to provide improved body support to the wheelchair user. This standard applies to all wheelchair seating and postural devices. It specifies test methods or methods of measurement for: vocabulary; the physical and mechanical characteristics; performance life; envelopment test; heat and water vapor test; static, impact and load strength testing, and flammability.



## **ULSE (UL Standards & Engagement)**

Madison Lee <[madison.lee@ul.org](mailto:madison.lee@ul.org)> | 1603 Orrington Ave, Suite 2000 | Evanston, IL 60201 <https://ulse.org/>

### ***New Standard***

BSR/UL 2596-202x, Standard for Safety for the Test Method for Thermal and Mechanical Performance of Battery Enclosure Materials (new standard)

Stakeholders: This standard will apply to a large cross section of groups and individuals. These specific individuals would include: producers, supply chain, trade associations, and commercial/industrial users.

Project Need: Currently, there are no known test methods to test battery enclosure materials at the small-scale material level, without performing a full-scale test. UL Research & Development developed a new test method to compare the performance of battery enclosure materials, primarily for EV market. During this activity, the test was viewed as desirable by outside stakeholders and a great step forward in comparing the relative performance of various materials in a small-scale test that replicates real-life thermal and mechanical stresses. To ensure a consistent and standardized method, it is agreed that a standard should be developed to document the key aspects of the test method, so it is practiced consistently.

Interest Categories: Authorities Having Jurisdiction, Producer, Testing & Standards Organization, General, Supply Chain, and Commercial/Industrial Users.

This first issue of the Standard for Safety for the Test Method for Thermal and Mechanical Performance of Battery Enclosure Materials, UL 2596, is intended to be a standard for the US. There are currently no known test methods to test battery enclosure materials at the small-scale material level, without performing a full-scale test. The requirements of this test method cover tests for thermal and mechanical performance of battery enclosure materials in response to one or more stresses representative of thermal runaway of lithium-ion cells. The performance characteristics of a material determined by these test methods shall not be assumed to correlate with its performance in the end-use application. The actual response of materials to thermal and mechanical stresses depends upon the size and form of the material, as well as the end-use application of the product using the material. Tests conducted on a material under the conditions specified are intended to provide information when comparing the relative performance characteristics of different materials or assessing any change in performance characteristics prior to or during use.

# Call for Comment on Standards Proposals

## American National Standards

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

### Ordering Instructions for "Call-for-Comment" Listings

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

Comments should be addressed to the organization indicated, with a copy to the Board of Standards Review, American National Standards Institute, 25 West 43rd Street, New York, NY 10036. e-mail: [psa@ansi.org](mailto:psa@ansi.org)

\* Standard for consumer products

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## Comment Deadline: June 9, 2024

### ABYC (American Boat and Yacht Council)

613 Third Street, Suite 10, Annapolis, MD 21403 | [eparks@abycinc.org](mailto:eparks@abycinc.org), [www.abycinc.org](http://www.abycinc.org)

#### Revision

BSR/ABYC P-4-202x, Marine Inboard Engines and Transmissions (revision of ANSI/ABYC P-4-2019)

This standard applies to the design, selection of materials, construction, and installation of marine internal combustion inboard engines and transmissions used for propulsion and auxiliary equipment.

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

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: [comments@abycinc.org](mailto:comments@abycinc.org)

### ACCA (Air Conditioning Contractors of America)

1520 Belle View Boulevard, #5220, Alexandria, VA 22307 | [david.bixby@acca.org](mailto:david.bixby@acca.org), [www.acca.org](http://www.acca.org)

#### Supplement

BSR/ACCA 3 Manual S, Addendum B-202x, Residential Equipment Selection (supplement to ANSI/ACCA 3 Manual S-2023)

This standard provides procedures for selecting and sizing residential cooling equipment, heat pumps, electric heating coils, furnaces, boilers, ancillary dehumidification equipment, humidification equipment, and direct evaporative cooling equipment.

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

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: David Bixby <[david.bixby@acca.org](mailto:david.bixby@acca.org)>

## Comment Deadline: June 9, 2024

### **NSF (NSF International)**

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | [ajump@nsf.org](mailto:ajump@nsf.org), [www.nsf.org](http://www.nsf.org)

#### **Revision**

BSR/NSF/CAN 61-202x (i179r2), Drinking Water System Components - Health Effects (revision of ANSI/NSF/CAN 61-2023)

This standard is intended to cover specific materials or products that come into contact with: drinking water, drinking water treatment chemicals, or both. The focus of the standard is evaluation of contaminants or impurities imparted indirectly to drinking water.

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

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Amy Jump <[ajump@nsf.org](mailto:ajump@nsf.org)>

### **NSF (NSF International)**

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | [ajump@nsf.org](mailto:ajump@nsf.org), [www.nsf.org](http://www.nsf.org)

#### **Revision**

BSR/NSF/CAN 61-202x (i183r1), Drinking Water System Components - Health Effects (revision of ANSI/NSF/CAN 61-2023)

This standard is intended to cover specific materials or products that come into contact with: drinking water, drinking water treatment chemicals, or both. The focus of the standard is evaluation of contaminants or impurities imparted indirectly to drinking water.

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

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Amy Jump <[ajump@nsf.org](mailto:ajump@nsf.org)>

### **TMA (The Monitoring Association)**

7918 Jones Branch Drive, Suite 510, McLean, VA 22102 | [bginn@tma.us](mailto:bginn@tma.us), [www.tma.us](http://www.tma.us)

#### **Revision**

BSR/TMA AVS-01-202x, Alarm Validation Scoring Standard (revision of ANSI/TMA AVS-01-2023)

Establish standardized methods for calculating an alarm score that results in a repeatable metric that estimates the validity of a burglar alarm activation using historical and real-time data. Calls for Service to Emergency Communications Centers (ECCs)/Public Safety Answering Points (PSAPs) that include such a standardized scoring metric will assist public safety departments with their alarm response policies.

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

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Bryan Ginn <[bginn@tma.us](mailto:bginn@tma.us)>

### **ULSE (UL Standards & Engagement)**

47173 Benicia Street, Fremont, CA 94538 | [Linda.L.Phinney@ul.org](mailto:Linda.L.Phinney@ul.org), <https://ulse.org/>

#### **Revision**

BSR/UL 854-202X, Standard for Safety for Service-Entrance Cables (revision of ANSI/UL 854-2023)

Gasoline and Oil Resistant Markings, Revised 42.1 and 42.2 to Add PRI, PRII and GRI, GRII

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

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: <https://csds.ul.com/ProposalAvailable>

## Comment Deadline: June 9, 2024

### ULSE (UL Standards & Engagement)

100 Queen Street, Suite 1040, Ottawa, Canada, ON | [Jacob.Stewart@ul.org](mailto:Jacob.Stewart@ul.org), <https://ulse.org/>

#### Revision

BSR/UL 1123-202x, Standard for Safety for Marine Buoyant Device (revision of ANSI/UL 1123-2023)

1.1 These requirements cover Type II, Type III, and Type IV marine buoyant devices, including vests, jackets, horseshoe buoys, and ring buoys, with or without lifelines, intended for recreational use, and those Type V devices described in the Supplements, in accordance with the applicable regulations of the United States Coast Guard (USCG). 1.2 The buoyant devices covered by these requirements are intended for USCG approval under 46 CFR 160.064.

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

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: <https://csds.ul.com/ProposalAvailable>

### ULSE (UL Standards & Engagement)

100 Queen Street, Suite 1040, Ottawa, Canada, ON | [Jacob.Stewart@ul.org](mailto:Jacob.Stewart@ul.org), <https://ulse.org/>

#### Revision

BSR/UL 1180-202x, Standard for Safety for Fully Inflatable Recreational Personal Flotation Devices (revision of ANSI/UL 1180-2023)

1.1 These requirements cover adult recreational wearable devices having at least one buoyancy compartment that relies upon inflation by gas or other medium to provide flotation to the wearer, for use by individuals at least 16 years of age and weighing 80 pounds (36.3 kg) or more. 1.2 These requirements cover devices intended for general boating activities where impacts with the water or other objects (i.e. those which occur during water skiing, white water paddling, personal watercraft use, and parasailing) are not likely. 1.3 These requirements cover rearming kits for the devices covered by this Standard. 1.4 Several levels of performance are set out by this standard to meet the needs of various boating activities, locations, and water conditions. The performance levels are designated by performance type.

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

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: <https://csds.ul.com/ProposalAvailable>

## Comment Deadline: June 24, 2024

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

2311 Wilson Boulevard, Suite 400, Arlington, VA 22201 | [jyeh2@ahrinet.org](mailto:jyeh2@ahrinet.org), [www.ahrinet.org](http://www.ahrinet.org)

#### New Standard

BSR/AHRI Standard 1400-202x (I-P), Performance Rating of Indirect Water Heaters (new standard)

The purpose of this procedure is to specify indirect water heater testing procedures. This standard applies to Indirect Water Heaters, having a total volume (potable plus heat source) less than or equal to 120 gallons, designed for installation with a hot water boiler or other external sources of heated water.

Single copy price: Free

Obtain an electronic copy from: <https://connect.ahrinet.org/standards-public-review/stdsunderpublicreview>

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: [AHRI\\_Standards@ahrinet.org](mailto:AHRI_Standards@ahrinet.org)

## Comment Deadline: June 24, 2024

### **ANS (American Nuclear Society)**

1111 Pasquinelli Drive, Suite 350, Westmont, IL 60559 | [kmurdoch@ans.org](mailto:kmurdoch@ans.org), [www.ans.org](http://www.ans.org)

#### **Reaffirmation**

BSR/ANS 19.6.1-2019 (R202x), Reload Startup Physics Tests for Pressurized Water Reactors (reaffirmation of ANSI/ANS 19.6.1-2019)

This standard specifies the minimum acceptable startup reactor physics tests that are performed following a refueling or other core alteration of a PWR for which nuclear design calculations are required. This standard does not address the physics test program for the initial core of a commercial PWR.

Single copy price: \$121.00

Obtain an electronic copy from: [orders@ans.org](mailto:orders@ans.org)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Patricia Schroeder <[pschroeder@ans.org](mailto:pschroeder@ans.org)>

### **ASABE (American Society of Agricultural and Biological Engineers)**

2950 Niles Road, Saint Joseph, MI 49085 | [companion@asabe.org](mailto:companion@asabe.org), <https://www.asabe.org/>

#### **National Adoption**

BSR/ASABE AD4254-16-202x MONYEAR, Agricultural machinery - Safety - Part 16: Portable agricultural grain augers (national adoption with modifications of ISO 4254-16:2028)

This document covers conventional and swing-away portable agricultural augers designed primarily for conveying agricultural materials on farms. This document does not deal with the design or safety aspects of: (1) drag augers; (2) bin sweeps; and (3) other augers that do not have wheels suitable for towing. This document, intended to be used together with ISO 4254-1, specifies the safety requirements and their verification for the design and construction of portable agricultural grain augers.

Single copy price: Free

Obtain an electronic copy from: [companion@asabe.org](mailto:companion@asabe.org)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Same

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

180 Technology Parkway, Peachtree Corners, GA 30092 | [cking@ashrae.org](mailto:cking@ashrae.org), [www.ashrae.org](http://www.ashrae.org)

#### **Revision**

BSR/ASHRAE Standard 37-202xR, Methods of Testing for Rating Electrically Driven Unitary Air-Conditioning and Heat Pump Equipment (revision of ANSI/ASHRAE Standard 37-2009 (R2019))

This is a major revision of Standard 37-2009 (RA 2019). Applicable sections of Standard 116-2010 have been added to provide an inclusive testing and rating method.

Single copy price: \$35.00

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

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

## Comment Deadline: June 24, 2024

### **AWWA (American Water Works Association)**

6666 W. Quincy Avenue, Denver, CO 80235 | [mrohr@awwa.org](mailto:mrohr@awwa.org), [www.awwa.org](http://www.awwa.org)

#### **Revision**

BSR/AWWA D106-202x, Sacrificial Anode Cathodic Protection Systems for the Interior Submerged Surfaces of Steel Water Storage Tanks (revision of ANSI/AWWA D106-2020)

This standard describes sacrificial anode cathodic protection systems intended to minimize corrosion of interior submerged surfaces of steel water storage tanks. This standard does not describe automatically or manually controlled impressed current systems.

Single copy price: Free

Obtain an electronic copy from: [ETSsupport@awwa.org](mailto:ETSsupport@awwa.org)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: AWWA, Paul J. Olson; [polson@awwa.org](mailto:polson@awwa.org)

### **ECIA (Electronic Components Industry Association)**

13873 Park Center Road, Suite 315, Herndon, VA 20171 | [ldonohoe@ecianow.org](mailto:ldonohoe@ecianow.org), [www.ecianow.org](http://www.ecianow.org)

#### **Revision**

BSR/EIA 364-06D-202x, Contact Resistance Test Procedure for Electrical Connectors (revision and redesignation of ANSI/EIA 364-06C-2006 (R2017))

This standard establishes test methods to determine the resistance of mated connector contacts attached to lengths of wire by measuring the voltage drop across the contacts while they are carrying a specified current.

Single copy price: \$78.00

Obtain an electronic copy from: [global.ihs.com](http://global.ihs.com)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: [emikoski@ecianow.org](mailto:emikoski@ecianow.org)

### **IAPMO (ASSE Chapter) (ASSE International Chapter of IAPMO)**

18927 Hickory Creek Drive, Suite 220, Mokena, IL 60448 | [terry.burger@asse-plumbing.org](mailto:terry.burger@asse-plumbing.org), [www.asse-plumbing.org](http://www.asse-plumbing.org)

#### **Revision**

BSR/ASSE 1079-202x, Performance Requirements for Dielectric Pipe Unions (revision of ANSI/ASSE 1079-2012 (R2021))

Dielectric Pipe Unions are used to join dissimilar pipe materials to prevent the flow of galvanic current or to isolate sections of pipe from stray currents which could cause accelerated corrosion and premature failure of plumbing components and associated piping. These devices are metallic and join metallic pipe in a similar manner to standard pipe unions and flanges, with the added ability to electrically insulate one pipe section from another.

Single copy price: Free

Obtain an electronic copy from: [standards@iapmostandards.org](mailto:standards@iapmostandards.org)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: George Istefan <[standards@iapmostandards.org](mailto:standards@iapmostandards.org)>

## Comment Deadline: June 24, 2024

### NECA (National Electrical Contractors Association)

1201 Pennsylvania Avenue, Suite 1200, Washington, DC 20004 | [Jeff.Noren@NECAnet.org](mailto:Jeff.Noren@NECAnet.org), [www.neca-neis.org](http://www.neca-neis.org)

#### ***New Standard***

BSR/NECA 714-202x, Recommended Practice for Firestopping Electrical Penetrations (new standard)

This Recommended Practice covers the installation of passive fire protection materials, components, and systems used to firestop electrical penetrations. It applies to fire barrier products and materials and to listed through-penetration or fire-resistive joint assembly systems, including installation materials and methods for:

- Packing and Forming Material;
- Sealant, Caulk, Putty, Mortar, Pillows, Blocks, Plugs, Planks, and Composite Sheets;
- Wrap and Strips;
- Foam;
- Plastic Pipe Devices;
- Fire Barrier Pass-Through Device;
- Fire Barrier Sleeve Kits;
- Cast-In-Place Devices and Adapters;
- Blankets and Mats;
- Labels and Certifications.

Single copy price: \$30.00 (Members); \$60.00 (Non-Members)

Obtain an electronic copy from: [neis@necanet.org](mailto:neis@necanet.org)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Same

### NECA (National Electrical Contractors Association)

1201 Pennsylvania Avenue, Suite 1200, Washington, DC 20004 | [Jeff.Noren@NECAnet.org](mailto:Jeff.Noren@NECAnet.org), [www.neca-neis.org](http://www.neca-neis.org)

#### ***Revision***

BSR/NECA 407-202X, Standard for Installing and Maintaining Panelboards (revision of ANSI/NECA 407-2015)

This Standard describes installation and maintenance procedures for panelboards, and special procedures used for panelboards after adverse operating conditions such as a short-circuit, ground-fault, or immersion in water.

This Standard applies to panelboards rated 600 Volts or less, AC and DC, with main disconnects or lugs, and with feeder or branch circuit overcurrent devices. This Standard applies to single panelboards and multi-section panelboards that are installed in the field and used for distributing power for commercial, institutional, and industrial loads in nonhazardous locations both indoors and outdoors.

Single copy price: \$30.00 (Members); \$60.00 (Non-Members)

Obtain an electronic copy from: [jeff.noren@necanet.org](mailto:jeff.noren@necanet.org)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Same

## Comment Deadline: June 24, 2024

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

1201 Pennsylvania Avenue, Suite 1200, Washington, DC 20004 | [Jeff.Noren@NECAnet.org](mailto:Jeff.Noren@NECAnet.org), [www.neca-neis.org](http://www.neca-neis.org)

#### **Revision**

BSR/NECA 420-202X, Standard on Fuse Applications (revision of ANSI/NECA 420-2014)

This Standard describes application and installation practices and procedures for low-, medium-, and high-voltage fuses. This publication applies to all classifications of fuses used for overcurrent protection of distribution, utilization, and control equipment used for power, heating, and lighting loads for commercial, institutional, and industrial use in nonhazardous indoor and outdoor locations. It also covers periodic routine maintenance and troubleshooting procedures for fuses, and special procedures used after adverse operating conditions, such as overcurrents, ground-faults, or exposure to water or other liquids.

Single copy price: \$30.00 (Members); \$60.00 (Non-Members)

Obtain an electronic copy from: [neis@necanet.org](mailto:neis@necanet.org)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Same

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

1201 Pennsylvania Avenue, Suite 1200, Washington, DC 20004 | [Jeff.Noren@NECAnet.org](mailto:Jeff.Noren@NECAnet.org), [www.neca-neis.org](http://www.neca-neis.org)

#### **Revision**

BSR/NECA 430-202X, Standard for Installing and Commissioning Medium-Voltage Switchgear (revision of ANSI/NECA 430-2016)

This standard describes site preparation and installation of new medium-voltage switchgear and maintenance procedures for existing medium-voltage switchgear nominally rated up to a maximum operating voltage of 38 kV AC. Medium-voltage switchgear may be classified as either metal-clad switchgear or metal-enclosed switchgear. Medium-voltage switchgear may also be arc-resistant or non-arc-resistant construction.

Single copy price: \$30.00 (Members); \$60.00 (Non-Members)

Obtain an electronic copy from: [neis@necanet.org](mailto:neis@necanet.org)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Same

### **NEMA (ASC C8) (National Electrical Manufacturers Association)**

1300 North 17th Street, Suite 900, Arlington, VA 22209 | [Khaled.Masri@nema.org](mailto:Khaled.Masri@nema.org), [www.nema.org](http://www.nema.org)

#### **New Standard**

BSR ICEA S-138-738-202x, Power Cables Rated 2000 Volts or Less for Use Between Variable Frequency Drives and Motors (new standard)

This standard applies to materials, constructions, and testing of 2000 volts and less crosslinked polyethylene, and crosslinked rubber insulated wires and cables used between a variable frequency drive's output and a motor for use in normal conditions of installation and service, either indoors, outdoors, or underground.

Single copy price: \$120.00

Obtain an electronic copy from: [khaled.masri@nema.org](mailto:khaled.masri@nema.org)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Same



## Comment Deadline: June 24, 2024

### **NFRC (National Fenestration Rating Council)**

6305 Ivy Lane, Suite 140, Greenbelt, MD 20770 | [jpadgett@nfr.org](mailto:jpadgett@nfr.org), [www.nfr.org](http://www.nfr.org)

#### **Revision**

BSR/NFRC 100-202x EOA2, Procedure for Determining Fenestration Product U-factors (revision of ANSI/NFRC 100-2023 (EOA1))

This standard specifies a method for determining fenestration product U-factor (thermal transmittance).

Single copy price: Free

Obtain an electronic copy from: [standards@nfr.org](mailto:standards@nfr.org)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: [standards@nfr.org](mailto:standards@nfr.org)

### **NFRC (National Fenestration Rating Council)**

6305 Ivy Lane, Suite 140, Greenbelt, MD 20770 | [jpadgett@nfr.org](mailto:jpadgett@nfr.org), [www.nfr.org](http://www.nfr.org)

#### **Revision**

BSR/NFRC 200-202x EOA3, Procedure for Determining Fenestration Product Solar Heat Gain Coefficient and Visible Transmittance at Normal Incidence (revision of ANSI/NFRC 200-2023 EOA2)

To specify a method for calculating solar heat gain coefficient (SHGC) and visible transmittance (VT) at normal (perpendicular) incidence for fenestration products containing glazings or glazing with applied films, with specular optical properties calculated in accordance with ISO 15099 (except where noted) or tested in accordance with NFRC 201, ANSI/NFRC 202, and ANSI/NFRC 203.

Single copy price: Free

Obtain an electronic copy from: [standards@nfr.org](mailto:standards@nfr.org)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: [standards@nfr.org](mailto:standards@nfr.org)

### **NFRC (National Fenestration Rating Council)**

6305 Ivy Lane, Suite 140, Greenbelt, MD 20770 | [jpadgett@nfr.org](mailto:jpadgett@nfr.org), [www.nfr.org](http://www.nfr.org)

#### **Revision**

BSR/NFRC 500-2024 EOA3, Procedure for Determining Fenestration Product Condensation Index Ratings (revision of ANSI/NFRC 500-2023 EOA2)

This edition of the NFRC Condensation Index procedure includes information from ASTM C1199, ASTM E1423, NFRC round robin testing data, and technical interpretations by NFRC. The Condensation Index procedure includes a Simulation Method and a Test Method.

Single copy price: Free

Obtain an electronic copy from: [standards@nfr.org](mailto:standards@nfr.org)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: [standards@nfr.org](mailto:standards@nfr.org)

### **RESOLVE (Resolve, Inc.)**

2445 M Street, NW, Suite 550, Washington, DC 20037 | [haldy@resolve.ngo](mailto:haldy@resolve.ngo), [www.resolve.ngo](http://www.resolve.ngo)

#### **New Standard**

BSR/RESOLVE RES-002-202x, Reusable packaging system design standard: Container washing, inspection, and packing for distribution (new standard)

This standard specifies minimum requirements and recommendations for washing, rinsing, sanitization, and drying of reusable foodware containers. It also provides requirements and recommendations for the handling processes for these containers during their collection and distribution.

Single copy price: Free

Obtain an electronic copy from: [https://www.resolve.ngo/docs/pr3\\_standard\\_part\\_7\\_washing.pdf](https://www.resolve.ngo/docs/pr3_standard_part_7_washing.pdf)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: <https://forms.gle/YD9uCpQhA2DAGuNf9>

## Comment Deadline: June 24, 2024

### **ULSE (UL Standards & Engagement)**

1603 Orrington Ave, Evanston, IL 60210 | [alan.t.mcgrath@ul.org](mailto:alan.t.mcgrath@ul.org), <https://ulse.org/>

#### ***National Adoption***

BSR/UL 60335-2-34-202X, Standard for Household and Similar Electrical Appliances - Safety - Part 2-34: Particular requirements for motor-compressors (national adoption of IEC 60335-2-34 with modifications and revision of ANSI/UL 60335-2-34-2017)

ULSE is proposing to adopt the 7th edition of UL 60335-2-34 which includes the 6th edition of IEC 60335-2-34 plus the North American national differences. This International Standard deals with the safety of sealed (hermetic and semi-hermetic type) motor-compressors, their protection and control systems, if any, which are intended for use in equipment for household and similar purposes.

Single copy price: Free

Obtain an electronic copy from: <https://csds.ul.com/ProposalAvailable>

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: <https://csds.ul.com/ProposalAvailable>

### **ULSE (UL Standards & Engagement)**

47173 Benicia Street, Fremont, CA 94538 | [Linda.L.Phinney@ul.org](mailto:Linda.L.Phinney@ul.org), <https://ulse.org/>

#### ***Reaffirmation***

BSR/UL 1426-2010 (R202x), Standard for Safety for Electrical Cables for Boats (reaffirmation of ANSI/UL 1426-2010 (R2020))

Reaffirmation and Continuance of the 5th Edition of the Standard for Electrical Cables for Boats, UL 1426, as an standard.

Single copy price: Free

Obtain an electronic copy from: <https://csds.ul.com/ProposalAvailable>

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: <https://csds.ul.com/ProposalAvailable>

### **ULSE (UL Standards & Engagement)**

100 Queen Street, Suite 1040, Ottawa, ON K1P 1J9 Canada | [sabrina.khreibtov@ul.org](mailto:sabrina.khreibtov@ul.org), <https://ulse.org/>

#### ***Revision***

BSR/UL 123-202X, Standard for Safety for Oxy-Fuel Gas Torches (revision of ANSI/UL 123-2014 (R2019))  
Proposed New 12th Edition of the Standard for Safety for Oxy-Fuel Gas Torches, UL 123, as an standard.

Single copy price: Free

Obtain an electronic copy from: [csds.ul.com/home/proposalsdefault.aspx](https://csds.ul.com/home/proposalsdefault.aspx)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: <https://csds.ul.com/ProposalAvailable>

### **ULSE (UL Standards & Engagement)**

100 Queen Street, Suite 1040, Ottawa, ON K1P 1J9 Canada | [sabrina.khreibtov@ul.org](mailto:sabrina.khreibtov@ul.org), <https://ulse.org/>

#### ***Revision***

BSR/UL 147B-202X, Standard for Safety for Nonrefillable (Disposable) Type Metal Container Assemblies for Butane (revision of ANSI/UL 147B-2019)

Proposed New 5th Edition of the Standard for Safety for Nonrefillable (Disposable) Type Metal Container Assemblies for Butane, UL 147B, as an standard.

Single copy price: Free

Obtain an electronic copy from: [csds.ul.com/home/proposalsdefault.aspx](https://csds.ul.com/home/proposalsdefault.aspx)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: <https://csds.ul.com/ProposalAvailable>

## Comment Deadline: June 24, 2024

### ULSE (UL Standards & Engagement)

1603 Orrington Avenue, Suite 2000, Evanston, IL 60201 | [mitchell.gold@ul.org](mailto:mitchell.gold@ul.org), <https://ulse.org/>

#### Revision

BSR/UL 486A-486B-202x, Standard for Wire Connectors (revision of ANSI/UL 486A-486B-2023)

The Proposed 4th Edition of the Standard for Wire Connectors, UL 486A-486B, including the following: (a) Testing with flex copper wire; (b) Origin of values in brackets; (c) Multi-tap wire connectors; (d) Run and tap connectors; (e) Correction to stranding tables; (f) Replacement of Annex B with references to UL/CSA/ANCE standards; (g) Correction to Table 7; (h) Installation instructions for tangless connectors; (i) Marking clarification; (j) Alternative test method for tensile strength; and (k) Editorial corrections and updates.

Single copy price: Free

Obtain an electronic copy from: <https://csds.ul.com/ProposalAvailable>

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Follow the instructions at the following website to enter comments into the CSDS Work Area: <https://csds.ul.com/ProposalAvailable>

### ULSE (UL Standards & Engagement)

12 Laboratory Drive, Research Triangle Park, NC 27709 | [ashley.seward@ul.org](mailto:ashley.seward@ul.org), <https://ulse.org/>

#### Revision

BSR/UL 507-202x, Standard for Electric Fans (revision of ANSI/UL 507-2023)

(1) UL 507 Standard Changes for Electric Fans – Unattended Fans in Cleanrooms; (2) Clarification of Requirements for Unattended Area Fans Provided with Low Voltage Component Fans; (3) Clarification of 179A.1.4 for Fan Motors Provided with Primary Protection Devices Other Than Thermal Cutoff; (4) DIY Air Cleaning Portable Air-Circulating Fans; (5) Clarification to Paragraph 16.3 Loading Conditions; (6) Addition of UL 2595 as an Alternative to UL 2054 for Battery Operation; (7) Addition of Requirements for Class 2 Low Voltage Ceiling Insert Fan; (8) Editorial Revisions of Paragraphs 126.1 and 166.1.2; (9) Clarification of Sample Requirements for Impedance Protected Motors Provided with a Secondary Protection; (10) Revisions Based on Latest Version of UL 4200A; (11) Proposed Requirements for Automatic Starting Device for Rangehoods.

Single copy price: Free

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

Send comments (copy [psa@ansi.org](mailto: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>

### ULSE (UL Standards & Engagement)

1603 Orrington Ave, Evanston, IL 60210 | [alan.t.mcgrath@ul.org](mailto:alan.t.mcgrath@ul.org), <https://ulse.org/>

#### Revision

BSR/UL 1029-202X, Standard for High-Intensity-Discharge Lamp Ballasts (revision of ANSI/UL 1029-2012 (R2022))

(1) Amend the scope section to include low-frequency square wave and high-frequency electronic ballast; (2) Add to the glossary the definitions of low frequency square wave HID lamp ballast and high frequency HID lamp ballast as items 2.9 and 2.10; (3) Adopt the UL 935 applicable performance testing as an alternative for electronic HID lamp ballast; (4) Electronic HID lamp ballast shall be subjected to the following UL 935 performance test.

Single copy price: Free

Obtain an electronic copy from: <https://csds.ul.com/ProposalAvailable>

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: <https://csds.ul.com/ProposalAvailable>

## Comment Deadline: June 24, 2024

### VITA (VMEbus International Trade Association (VITA))

929 W. Portobello Avenue, Mesa, AZ 85210 | [jing.kwok@vita.com](mailto:jing.kwok@vita.com), [www.vita.com](http://www.vita.com)

#### Revision

BSR/VITA 86-202x, High Voltage Input Sealed Connector Power Supply (revision of ANSI/VITA 86-2019)

This standard defines an environmentally sealed connector pair which is compatible with the backplane footprint as defined in VITA 62.0 for 3U power supplies operating in harsh environments operating off of a high voltage input. This revision preserves the backplane footprint and interface and the power supply module to backplane interface but allows additional module-to-PCB solutions within the power supply.

Single copy price: \$25.00

Obtain an electronic copy from: [admin@vita.com](mailto:admin@vita.com)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: [admin@vita.com](mailto:admin@vita.com)

## Comment Deadline: July 9, 2024

### ULSE (UL Standards & Engagement)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | [Grayson.Flake@ul.org](mailto:Grayson.Flake@ul.org), <https://ulse.org/>

#### Revision

BSR/UL 217-202x, Smoke Alarms (revision of ANSI/UL 217-2022)

These requirements cover electrically operated single and multiple station smoke alarms intended for open area protection in indoor locations and portable smoke alarms used as "travel" alarms in accordance with: (a) National Fire Alarm and Signaling Code, NFPA 72; (b) Standard for Recreational Vehicles, NFPA 501C, for smoke alarms intended for use in recreational vehicles; (c) For smoke alarms intended for use in recreational boats: (1) Fire Protection Standard for Pleasure and Commercial Motor Craft, NFPA 302, (2) AC and DC Electrical Systems on Boats, ABYC E-11, and (3) The applicable regulations of the United States Coast Guard.

Single copy price: Free

Order from: [csds.ul.com](http://csds.ul.com)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: [csds.ul.com](http://csds.ul.com)

### ULSE (UL Standards & Engagement)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | [Grayson.Flake@ul.org](mailto:Grayson.Flake@ul.org), <https://ulse.org/>

#### Revision

BSR/UL 521-202x, Heat Detectors for Fire Protective Signaling Systems (revision of ANSI/UL 521-2023)

These requirements cover heat detectors for fire-protective signaling systems intended to be installed in ordinary indoor and outdoor locations in accordance with the Standard for Automatic Fire Detectors, NFPA 72E.

Single copy price: Free

Order from: [csds.ul.com](http://csds.ul.com)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: [csds.ul.com](http://csds.ul.com)

## Project Withdrawn

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:

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

1201 Pennsylvania Avenue, Suite 1200, Washington, DC 20004 | [Jeff.Noren@NECAnet.org](mailto:Jeff.Noren@NECAnet.org), [www.neca-neis.org](http://www.neca-neis.org)

BSR/NECA LPI 781-202x, Recommended Practices for Installing and Maintaining Lightning Protection Systems (new standard)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Jeff Noren <[Jeff.Noren@NECAnet.org](mailto:Jeff.Noren@NECAnet.org)>

### **NSF (NSF International)**

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | [azeoli@nsf.org](mailto:azeoli@nsf.org), [www.nsf.org](http://www.nsf.org)

BSR/NSF 489-202x, Standard Practice to Prevent Contamination in Polyethylene Gas Pressure Pipe (new standard)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Amanda Zeoli <[azeoli@nsf.org](mailto:azeoli@nsf.org)>

### **TCNA (ASC A108) (Tile Council of North America)**

100 Clemson Research Blvd., Anderson, SC 29625 | [ksimpson@tcnatile.com](mailto:ksimpson@tcnatile.com), [www.tcnatile.com](http://www.tcnatile.com)

BSR A108.8-202x, Installation of Ceramic Tile with Chemical Resistant Furan Resin Mortar and Grout (revision of ANSI A108.8-1999 (R2010))

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Katelyn Simpson <[ksimpson@tcnatile.com](mailto:ksimpson@tcnatile.com)>

### **TCNA (ASC A108) (Tile Council of North America)**

100 Clemson Research Blvd., Anderson, SC 29625 | [ksimpson@tcnatile.com](mailto:ksimpson@tcnatile.com), [www.tcnatile.com](http://www.tcnatile.com)

BSR A363.1-202x, Inspection Criteria for Finished Tile Assemblies (new standard)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Katelyn Simpson <[ksimpson@tcnatile.com](mailto:ksimpson@tcnatile.com)>

## Notice of Withdrawal: ANS at least 10 years past approval date

The following American National Standards have not been revised or reaffirmed within ten years from the date of their approval as American National Standards and accordingly are withdrawn:

### **ASTM (ASTM International)**

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 | [accreditation@astm.org](mailto:accreditation@astm.org), [www.astm.org](http://www.astm.org)

ANSI/ASTM/ISO/IEC 17025-2005 (R2012), General Requirements for the Competence of Testing and Calibration Laboratories (reaffirm a national adoption ANSI/ISO/IEC 17025-2005)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Questions may be directed to: Lauren Daly <[accreditation@astm.org](mailto:accreditation@astm.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.

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## **ASSP (Safety) (American Society of Safety Professionals)**

520 N. Northwest Highway, Park Ridge, IL 60068 | [LBauerschmidt@assp.org](mailto:LBauerschmidt@assp.org), [www.assp.org](http://www.assp.org)

ANSI/ASSP Z359.15-2024, Safety Requirements for Single Anchor Lifelines and Fall Arresters for Personal Fall Arrest Systems (revision and redesignation of ANSI ASSE Z359.15-2014) Final Action Date: 5/2/2024 | *Revision*

## **TIA (Telecommunications Industry Association)**

1320 North Courthouse Road, Suite 200, Arlington, VA 22201-2598 | [tjenkins@tiaonline.org](mailto:tjenkins@tiaonline.org), [www.tiaonline.org](http://www.tiaonline.org)

ANSI/TIA 455-160-B-2020 (R2024), IEC-60793-1-50, Optical Fibres - Part 1-50: Measurement Methods and Test Procedures - Damp Heat (Steady State) (reaffirm a national adoption ANSI/TIA 455-160-B-2020) Final Action Date: 5/1/2024 | *Reaffirmation*

# Call for Members (ANS Consensus Bodies)

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

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## ANSI Accredited Standards Developer

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

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

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

Membership in the INCITS Executive Board is open to all directly and materially interested 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](mailto: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 underrepresented categories:

- Producer-Software
- Producer-Hardware
- Distributor
- Service Provider
- Users
- Consultants
- Government
- SDO and Consortia Groups
- Academia
- General Interest

## ANSI Accredited Standards Developer

### SCTE (Society of Cable Telecommunications Engineers)

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

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

Membership in the SCTE Standards Program is open to all directly and materially affected parties as defined in SCTE's membership rules and operating procedures.

More information is available at [www.scte.org](http://www.scte.org) or by e-mail from [standards@scte.org](mailto:standards@scte.org).

## **ANSI Accredited Standards Developer**

### **DirectTrust - DirectTrust.org, Inc.**

#### **Call for Members**

##### **Call for Members: DS2019\_01 – The Direct Standard®**

Are you interested in contributing to the development and maintenance of the Direct Standard® to enable exchange of authenticated, encrypted health information to known trusted recipients?

DirectTrust is currently seeking members in the following categories:

- Healthcare Sector
- Government Sector
- Payer Sector
- Consumer Sector
- General Interest and Advocacy Sector

If you are interested in joining the DS2019\_01- The Direct Standard® Consensus Body, contact [Standards@DirectTrust.org](mailto:Standards@DirectTrust.org).

##### **Call for Members:DS2020\_03 - Event Notifications via the Direct Standard(R)**

Are you interested in contributing to the development and maintenance of an implementation guide for actors in the healthcare ecosystem who will use the Direct Standard(R) for the communication of various transactions in support of Encounter and Event Notifications?

DirectTrust is currently seeking members in the following categories:

- Consumer Sector
- Government Sector
- Social Care Sector
- Payer Sector
- Healthcare Sector

If you are interested in joining the DS2020\_03- Event Notifications via the Direct Standard(R) Consensus Body, contact [Standards@directtrust.org](mailto:Standards@directtrust.org)



## ANSI Accredited Standards Developer

### DirectTrust - DirectTrust.org, Inc.

#### Call for Members

#### Call for members: DS2023\_06 - Interoperable Secure Cloud Fax (ISCF)

Are you interested in contributing to the development and maintenance of the Interoperable Secure Cloud Fax Consensus Body to enable exchange of authenticated, secured documents via facsimile containing health and other sensitive information to known trusted recipients?

DirectTrust is currently seeking members in the following categories:

- Healthcare Sector
- Government Sector
- Payer Sector
- Consumer Sector
- Social Care Sector
- General Interest and Advocacy
- Telecommunications Sector

If you are interested in joining the DS2023\_06 Interoperable Secure Cloud Fax Consensus Body, contact [Standards@DirectTrust.org](mailto:Standards@DirectTrust.org).

#### Call for members: DS2022\_05 - Privacy-Enhancing Health Record Locator Service Ecosystem (PEHRLS)

Are you interested in contributing to the development of a standard for a privacy-enhancing record locator service ecosystem?

This consensus body is currently seeking voting members in the following categories:

- Government Sector
- Payer Sector
- Consumer Sector
- General Interest and Advocacy Sector

If you are interested in joining the DS2022\_05 - Privacy-Enhancing Health Record Locator Service Ecosystem (PEHRLS) Consensus Body, contact [Standards@DirectTrust.org](mailto:Standards@DirectTrust.org).

### ABYC (American Boat and Yacht Council)

613 Third Street, Suite 10, Annapolis, MD 21403 | [eparks@abycinc.org](mailto:eparks@abycinc.org), [www.abycinc.org](http://www.abycinc.org)

BSR/ABYC P-4-202x, Marine Inboard Engines and Transmissions (revision of ANSI/ABYC P-4-2019)

Interest Categories: Soliciting for categories: Manufacturer - Accessory, Insurance/Survey

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

2311 Wilson Boulevard, Suite 400, Arlington, VA 22201 | [jyeh2@ahrinet.org](mailto:jyeh2@ahrinet.org), [www.ahrinet.org](http://www.ahrinet.org)

BSR/AHRI Standard 1400-202x (I-P), Performance Rating of Indirect Water Heaters (new standard)

### ASABE (American Society of Agricultural and Biological Engineers)

2950 Niles Road, Saint Joseph, MI 49085 | [companion@asabe.org](mailto:companion@asabe.org), <https://www.asabe.org/>

BSR/ASABE AD4254-16-202x MONYEAR, Agricultural machinery - Safety - Part 16: Portable agricultural grain augers (national adoption with modifications of ISO 4254-16:2028)

**ECIA (Electronic Components Industry Association)**

13873 Park Center Road, Suite 315, Herndon, VA 20171 | [Idonohoe@ecianow.org](mailto:Idonohoe@ecianow.org), [www.ecianow.org](http://www.ecianow.org)

BSR/EIA 364-06D-202x, Contact Resistance Test Procedure for Electrical Connectors (revision and redesignation of ANSI/EIA 364-06C-2006 (R2017))

**ECIA (Electronic Components Industry Association)**

13873 Park Center Road, Suite 315, Herndon, VA 20171 | [Idonohoe@ecianow.org](mailto:Idonohoe@ecianow.org), [www.ecianow.org](http://www.ecianow.org)

BSR/EIA 364-14B-1999 (R202x), Ozone Exposure Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-14B-1999 (R2019))

**ECIA (Electronic Components Industry Association)**

13873 Park Center Road, Suite 315, Herndon, VA 20171 | [Idonohoe@ecianow.org](mailto:Idonohoe@ecianow.org), [www.ecianow.org](http://www.ecianow.org)

BSR/EIA 364-18B-2007 (R202x), Visual and Dimensional Inspection Test Procedure for Electrical Connectors, and Sockets (reaffirmation of ANSI/EIA 364-18B-2007 (R2019))

**ECIA (Electronic Components Industry Association)**

13873 Park Center Road, Suite 315, Herndon, VA 20171 | [Idonohoe@ecianow.org](mailto:Idonohoe@ecianow.org), [www.ecianow.org](http://www.ecianow.org)

BSR/EIA 364-36B-2006 (R202x), Determination of Gas-Tight Characteristics Test Procedure for Electrical Connectors, and/or Contact Systems (reaffirmation of ANSI/EIA 364-36B-2006 (R2019))

**ECIA (Electronic Components Industry Association)**

13873 Park Center Road, Suite 315, Herndon, VA 20171 | [Idonohoe@ecianow.org](mailto:Idonohoe@ecianow.org), [www.ecianow.org](http://www.ecianow.org)

BSR/EIA 364-39B-1999 (R202x), Hydrostatic Test Procedure for Electrical Connectors, Contacts and Sockets (reaffirmation of ANSI/EIA 364-39B-1999 (R2019))

**ECIA (Electronic Components Industry Association)**

13873 Park Center Road, Suite 315, Herndon, VA 20171 | [Idonohoe@ecianow.org](mailto:Idonohoe@ecianow.org), [www.ecianow.org](http://www.ecianow.org)

BSR/EIA 364-43C-2013 (R202x), Cable Clamping (Bending Moment) Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-43C-2013 (R2019))

**ECIA (Electronic Components Industry Association)**

13873 Park Center Road, Suite 315, Herndon, VA 20171 | [Idonohoe@ecianow.org](mailto:Idonohoe@ecianow.org), [www.ecianow.org](http://www.ecianow.org)

BSR/EIA 364-45C-2012 (R202x), Firewall Flame Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-45C-2012 (R2019))

**ECIA (Electronic Components Industry Association)**

13873 Park Center Road, Suite 315, Herndon, VA 20171 | [Idonohoe@ecianow.org](mailto:Idonohoe@ecianow.org), [www.ecianow.org](http://www.ecianow.org)

BSR/EIA 364-50B-2012 (R202x), Dust (Fine Sand) Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-50B-2012 (R2019))

**ECIA (Electronic Components Industry Association)**

13873 Park Center Road, Suite 315, Herndon, VA 20171 | [Idonohoe@ecianow.org](mailto:Idonohoe@ecianow.org), [www.ecianow.org](http://www.ecianow.org)

BSR/EIA 364-59A-2006 (R202x), Low Temperature Test Procedure for Electrical Connectors and Sockets (reaffirmation of ANSI/EIA 364-59A-2006 (R2019))

**ECIA (Electronic Components Industry Association)**

13873 Park Center Road, Suite 315, Herndon, VA 20171 | [Idonohoe@ecianow.org](mailto:Idonohoe@ecianow.org), [www.ecianow.org](http://www.ecianow.org)

BSR/EIA 364-66A-2000 (R202x), EMI Shielding Effectiveness Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-66A-2000 (R2019))

**ECIA (Electronic Components Industry Association)**

13873 Park Center Road, Suite 315, Herndon, VA 20171 | [Idonohoe@ecianow.org](mailto:Idonohoe@ecianow.org), [www.ecianow.org](http://www.ecianow.org)

BSR/EIA 364-100A-2012 (R202x), Marking Permanence Test Procedure for Electrical Connectors and Sockets (reaffirmation of ANSI/EIA 364-100A-2012 (R2019))

**ECIA (Electronic Components Industry Association)**

13873 Park Center Road, Suite 315, Herndon, VA 20171 | [Idonohoe@ecianow.org](mailto:Idonohoe@ecianow.org), [www.ecianow.org](http://www.ecianow.org)

BSR/EIA 364-101-2000 (R202x), Attenuation Test Procedure for Electrical Connectors, Sockets, Cable Assemblies or Interconnection Systems (reaffirmation of ANSI/EIA 364-101-2000 (R2019))

**ECIA (Electronic Components Industry Association)**

13873 Park Center Road, Suite 315, Herndon, VA 20171 | [Idonohoe@ecianow.org](mailto:Idonohoe@ecianow.org), [www.ecianow.org](http://www.ecianow.org)

BSR/EIA 364-106-2000 (R202x), Standing Wave Ratio (SWR) Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-106-2000 (R2019))

**NAAMM (National Association of Architectural Metal Manufacturers)**

1533 Pine Grove Lane, Chesapeake, VA 23321 | [ifnaamm@gmail.com](mailto:ifnaamm@gmail.com), [www.naamm.org](http://www.naamm.org)

BSR/NAAMM HMMA 863-2024-202x, Guide Specifications for Detention Security Hollow Metal Doors and Frames (revision of ANSI/NAAMM HMMA 863-2014)

**NECA (National Electrical Contractors Association)**

1201 Pennsylvania Avenue, Suite 1200, Washington, DC 20004 | [Jeff.Noren@NECAnet.org](mailto:Jeff.Noren@NECAnet.org), [www.neca-neis.org](http://www.neca-neis.org)

BSR/NECA 407-202X, Standard for Installing and Maintaining Panelboards (revision of ANSI/NECA 407-2015)

**NECA (National Electrical Contractors Association)**

1201 Pennsylvania Avenue, Suite 1200, Washington, DC 20004 | [Jeff.Noren@NECAnet.org](mailto:Jeff.Noren@NECAnet.org), [www.neca-neis.org](http://www.neca-neis.org)

BSR/NECA 420-202X, Standard on Fuse Applications (revision of ANSI/NECA 420-2014)

**NECA (National Electrical Contractors Association)**

1201 Pennsylvania Avenue, Suite 1200, Washington, DC 20004 | [Jeff.Noren@NECAnet.org](mailto:Jeff.Noren@NECAnet.org), [www.neca-neis.org](http://www.neca-neis.org)

BSR/NECA 430-202X, Standard for Installing and Commissioning Medium-Voltage Switchgear (revision of ANSI/NECA 430-2016)

**NECA (National Electrical Contractors Association)**

1201 Pennsylvania Avenue, Suite 1200, Washington, DC 20004 | [Jeff.Noren@NECANet.org](mailto:Jeff.Noren@NECANet.org), [www.neca-neis.org](http://www.neca-neis.org)

BSR/NECA 714-202x, Recommended Practice for Firestopping Electrical Penetrations (new standard)

**NEMA (ASC C8) (National Electrical Manufacturers Association)**

1300 North 17th Street, Suite 900, Arlington, VA 22209 | [Khaled.Masri@nema.org](mailto:Khaled.Masri@nema.org), [www.nema.org](http://www.nema.org)

BSR ICEA S-138-738-202x, Power Cables Rated 2000 Volts or Less for Use Between Variable Frequency Drives and Motors (new standard)

**NFRC (National Fenestration Rating Council)**

6305 Ivy Lane, Suite 140, Greenbelt, MD 20770 | [jpadgett@nfr.org](mailto:jpadgett@nfr.org), [www.nfrc.org](http://www.nfrc.org)

BSR/NFRC 100-202x EOA2, Procedure for Determining Fenestration Product U-factors (revision of ANSI/NFRC 100-2023 (EOA1))

**NFRC (National Fenestration Rating Council)**

6305 Ivy Lane, Suite 140, Greenbelt, MD 20770 | [jpadgett@nfr.org](mailto:jpadgett@nfr.org), [www.nfrc.org](http://www.nfrc.org)

BSR/NFRC 200-202x EOA3, Procedure for Determining Fenestration Product Solar Heat Gain Coefficient and Visible Transmittance at Normal Incidence (revision of ANSI/NFRC 200-2023 EOA2)

**NFRC (National Fenestration Rating Council)**

6305 Ivy Lane, Suite 140, Greenbelt, MD 20770 | [jpadgett@nfr.org](mailto:jpadgett@nfr.org), [www.nfrc.org](http://www.nfrc.org)

BSR/NFRC 500-2024 EOA3, Procedure for Determining Fenestration Product Condensation Index Ratings (revision of ANSI/NFRC 500-2023 EOA2)

**NSF (NSF International)**

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | [ajump@nsf.org](mailto:ajump@nsf.org), [www.nsf.org](http://www.nsf.org)

BSR/NSF/CAN 61-202x (i179r2), Drinking Water System Components - Health Effects (revision of ANSI/NSF/CAN 61-2023)

**NSF (NSF International)**

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | [ajump@nsf.org](mailto:ajump@nsf.org), [www.nsf.org](http://www.nsf.org)

BSR/NSF/CAN 61-202x (i183r1), Drinking Water System Components - Health Effects (revision of ANSI/NSF/CAN 61-2023)

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

2001 K Street, NW, 3rd Floor North, Washington, DC 20006 | [dweinbaum@resna.org](mailto:dweinbaum@resna.org), [www.resna.org](http://www.resna.org)

BSR/RESNA WC-3-202x, RESNA Standard for Wheelchairs - Volume 3: Wheelchair Seating (national adoption of ISO 16840-2, 16840-3, 16840-6, 16840-9, 16840-10, 16840-11, 16840-12, 16840-13, 16840-14 and 16840-15 with modifications and revision of ANSI/RESNA WC-3-2018)

**ULSE (UL Standards & Engagement)**

12 Laboratory Drive, Research Triangle Park, NC 27709 | [ashley.seward@ul.org](mailto:ashley.seward@ul.org), <https://ulse.org/>

BSR/UL 507-202x, Standard for Electric Fans (revision of ANSI/UL 507-2023)

**ULSE (UL Standards & Engagement)**

100 Queen Street, Suite 1040, Ottawa, Canada, ON | [Jacob.Stewart@ul.org](mailto:Jacob.Stewart@ul.org), <https://ulse.org/>

BSR/UL 1123-202x, Standard for Safety for Marine Buoyant Device (revision of ANSI/UL 1123-2023)

**ULSE (UL Standards & Engagement)**

1603 Orrington Ave, Suite 2000, Evanston, IL 60201 | [madison.lee@ul.org](mailto:madison.lee@ul.org), <https://ulse.org/>

BSR/UL 2596-202x, Standard for Safety for the Test Method for Thermal and Mechanical Performance of Battery Enclosure Materials (new standard)

**VITA (VMEbus International Trade Association (VITA))**

929 W. Portobello Avenue, Mesa, AZ 85210 | [jing.kwok@vita.com](mailto:jing.kwok@vita.com), [www.vita.com](http://www.vita.com)

BSR/VITA 86-202x, High Voltage Input Sealed Connector Power Supply (revision of ANSI/VITA 86-2019)

# American National Standards (ANS) Process

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Please visit ANSI's website ([www.ansi.org](http://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](http://www.ansi.org/asd) and here are some direct links as well as highlights of information that is available:

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

### Please visit ANSI's website ([www.ansi.org](http://www.ansi.org))

- ANSI Essential Requirements: Due process requirements for American National Standards (always current edition):  
[www.ansi.org/essentialrequirements](http://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](http://www.ansi.org/standardsaction)
- Accreditation information – for potential developers of American National Standards (ANS):  
[www.ansi.org/sdoaccreditation](http://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](http://www.ansi.org/asd)
- Lists of ANSI-Accredited Standards Developers (ASDs), Proposed ANS and Approved ANS:  
[www.ansi.org/asd](http://www.ansi.org/asd)
- American National Standards Key Steps:  
[www.ansi.org/anskeysteps](http://www.ansi.org/anskeysteps)
- American National Standards Value:  
[www.ansi.org/ansvalue](http://www.ansi.org/ansvalue)
- ANS Web Forms for ANSI-Accredited Standards Developers:  
<https://www.ansi.org/portal/psawebforms/>
- Information about standards Incorporated by Reference (IBR):  
<https://ibr.ansi.org/>
- ANSI - Education and Training:  
[www.standardstolearn.org](http://www.standardstolearn.org)

# Accreditation Announcements (Standards Developers)

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## Withdrawal of ASD Accreditation

### OIX - OIX Association

Effective April 30, 2024

The accreditation of **OIX Association** as a developer of American National Standards (ANS), and of the following sponsored American National Standards and/or registered projects has been formally withdrawn.

### Notice of Withdrawn ANS

ANSI/OIX 1-2020, Open-IX Certified Internet Exchange, (new standard)

ANSI/OIX 2-2020, Data Center Technical Standard, (new standard)

ANSI/OIX 3-2021, Edge Technical Standard, (new standard)ANSI/OIX 1-2020, Open-IX Certified Internet Exchange, (new standard)

These actions were taken effect on **April 30, 2024**. For additional information, please contact: Shawna Bong, 2093 Philadelphia Pike, #1314 | Claymont, DE 19703 p: (619) 916-9417 e: [finance@open-ix.org](mailto:finance@open-ix.org)

# Information Concerning

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## Withdrawn Technical Report

### ASSP

#### ASSE TR-A1264.3-2007

**ASSE TR-A1264.3-2007** Using Variable Angle Tribometers (VAT) for Measurement of the Slip Resistance of Walkway Surfaces (TECHNICAL REPORT) was withdrawn effective December 16, 2017. For information, contact Lauren Bauerschmidt, [LBauerschmidt@assp.org](mailto:LBauerschmidt@assp.org).



# American National Standards Under Continuous Maintenance

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

The standard shall be maintained by an accredited standards developer. A documented program for periodic publication of revisions shall be established by the standards developer. Processing of these revisions shall be in accordance with these procedures. The published standard shall include a clear statement of the intent to consider requests for change and information on the submittal of such requests. Procedures shall be established for timely, documented consensus action on each request for change and no portion of the standard shall be excluded from the revision process. In the event that no revisions are issued for a period of four years, action to reaffirm or withdraw the standard shall be taken in accordance with the procedures contained in the ANSI Essential Requirements. The Executive Standards Council (ExSC) has determined that for standards maintained under the Continuous Maintenance option, separate PINS announcements are not required. The following ANSI Accredited Standards Developers have formally registered standards under the Continuous Maintenance option.

AAMI (Association for the Advancement of Medical Instrumentation)  
AARST (American Association of Radon Scientists and Technologists)  
AGA (American Gas Association)  
AGSC (Auto Glass Safety Council)  
ASC X9 (Accredited Standards Committee X9, Incorporated)  
ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)  
ASME (American Society of Mechanical Engineers)  
ASTM (ASTM International)  
GBI (Green Building Initiative)  
HL7 (Health Level Seven)  
Home Innovation (Home Innovation Research Labs)  
IES (Illuminating Engineering Society)  
ITI (InterNational Committee for Information Technology Standards)  
MHI (Material Handling Industry)  
NBBPVI (National Board of Boiler and Pressure Vessel Inspectors)  
NCPDP (National Council for Prescription Drug Programs)  
NEMA (National Electrical Manufacturers Association)  
NFRC (National Fenestration Rating Council)  
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)  
TMA (The Monitoring Association)  
ULSE (UL Standards & Engagement)

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](http://www.ansi.org/asd), select "American National Standards Maintained Under Continuous Maintenance." Questions? [psa@ansi.org](mailto:psa@ansi.org).

# ANSI-Accredited Standards Developers (ASD) Contacts

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The addresses listed in this section are to be used in conjunction with standards listed in PINS, Call for Comment, Call for Members 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 the PSA Department at [psa@ansi.org](mailto:psa@ansi.org).

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# ISO & IEC Draft International Standards



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

## COMMENTS

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

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

## ORDERING INSTRUCTIONS

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

## ISO Standards

### Agricultural food products (TC 34)

ISO/DIS 24607, Honey - Specifications - 7/18/2024, \$67.00

### Biological evaluation of medical and dental materials and devices (TC 194)

ISO/DIS 10993-1, Biological evaluation of medical devices - Part 1: Requirements and general principles for the evaluation of biological safety within a risk management process - 7/18/2024, \$112.00

### Dentistry (TC 106)

ISO/DIS 18374, Dentistry - Artificial intelligence (AI) and augmented intelligence (Aul) based 2D radiograph analysis - Data generation, data annotation and data processing - 7/21/2024, \$58.00

### Fine Bubble Technology (TC 281)

ISO/DIS 23016-1, Fine bubble technology - Agricultural applications - Part 1: Test method for evaluating the growth promotion of hydroponically grown lettuce - 7/18/2024, \$77.00

### Floor coverings (TC 219)

ISO/DIS 10833, Textile floor coverings - Determination of resistance to damage at cut edges using the modified Vettermann drum test - 7/21/2024, \$40.00

### Glass in building (TC 160)

ISO/DIS 16293-2, Glass in building - Basic soda lime silicate glass products - Part 2: Float glass - 7/21/2024, \$58.00

### Jewellery (TC 174)

ISO/DIS 19376-1, Jewellery and precious metals - Vocabulary - Part 1: Precious metals and units - 7/21/2024, \$58.00

### Petroleum products and lubricants (TC 28)

ISO 12917-1:2017/DAMd 1, - Amendment 1: Petroleum and liquid petroleum products - Calibration of horizontal cylindrical tanks - Part 1: Manual methods - Amendment 1 - 7/21/2024, \$33.00

ISO/DIS 11366, Petroleum and related products - Guidance for inservicing of steam, gas and combined cycle turbines lubricating oils - 7/18/2024, \$88.00

### Plastics (TC 61)

ISO/DIS 17880, Cellular plastics - Self-supporting metal faced sandwich panels - 7/19/2024, \$175.00

### Road vehicles (TC 22)

ISO/DIS 34505, Road vehicles - Test scenarios for automated driving systems - Scenario evaluation and test case generation - 7/19/2024, \$102.00

### Safety of toys (TC 181)

ISO 8124-1:2022/DAMd 1, - Amendment 1: Safety of toys - Part 1: Safety aspects related to mechanical and physical properties - Amendment 1 - 7/19/2024, \$33.00

### Service activities relating to drinking water supply systems and wastewater systems - Quality criteria of the service and performance indicators (TC 224)

ISO/DIS 24521, Drinking water, wastewater and stormwater systems and services - Guidelines for the management of basic on-site domestic wastewater services - 7/21/2024, \$107.00

**Ships and marine technology (TC 8)**

ISO/DIS 20679, Ships and marine technology - Marine environment protection - Testing ship biofouling in-water cleaning systems - 7/19/2024, \$102.00

**Water quality (TC 147)**

ISO/DIS 11352, Water quality - Estimation of measurement uncertainty based on validation and quality control data - 7/25/2024, \$107.00

ISO/DIS 17805, Water quality - Sampling, capture and preservation of environmental DNA from water - 7/15/2024, \$53.00

**Welding and allied processes (TC 44)**

ISO/DIS 14732.2, Welding personnel - Qualification testing of welding operators and weld setters for mechanized and automatic welding of metallic materials - 5/12/2024, \$77.00

**ISO/IEC JTC 1, Information Technology**

ISO/IEC DIS 18014-2:2021/DCor 1, Information security - Time-stamping services - Part 2: Mechanisms producing independent tokens - Technical Corrigendum 1 - 7/19/2024, \$29.00

**IEC Standards****All-or-nothing electrical relays (TC 94)**

94/1000/CDV, IEC 63522-31 ED1: Electrical relays - Tests and Measurements - Part 31: Magnetic Remanence, 06/28/2024

**Audio, video and multimedia systems and equipment (TC 100)**

100/4122/CDV, IEC 63563-1 ED1: Qi Specification version 2.0 - Part 1: Introduction (Fast track), 07/26/2024

100/4123/CDV, IEC 63563-2 ED1: Qi Specification version 2.0 - Part 2: Glossary (Fast track), 07/26/2024

100/4124/CDV, IEC 63563-3 ED1: Qi Specification version 2.0 - Part 3: Mechanical, Thermal, and User Interface (Fast track), 07/26/2024

100/4125/CDV, IEC 63563-4 ED1: Qi Specification version 2.0 - Part 4: Power Delivery (Fast track), 07/26/2024

100/4126/CDV, IEC 63563-5 ED1: Qi Specification version 2.0 - Part 5: Communications Physical Layer (Fast track), 07/26/2024

100/4127/CDV, IEC 63563-6 ED1: Qi Specification version 2.0 - Part 6: Communications Protocol (Fast track), 07/26/2024

100/4128/CDV, IEC 63563-7 ED1: Qi Specification version 2.0 - Part 7: Foreign Object Detection (Fast track), 07/26/2024

100/4129/CDV, IEC 63563-8 ED1: Qi Specification version 2.0 - Part 8: NFC Tag Protection (Fast track), 07/26/2024

100/4130/CDV, IEC 63563-9 ED1: Qi Specification version 2.0 - Part 9: Authentication Protocol (Fast track), 07/26/2024

100/4131/CDV, IEC 63563-10 ED1: Qi Specification version 2.0 - Part 10: MPP System Specification (Fast track), 07/26/2024

100/4132/CDV, IEC 63563-11 ED1: Qi Specification version 2.0 - Part 11: MPP Communications Protocol (Fast track), 07/26/2024

**Electrical accessories (TC 23)**

23B/1503/CDV, IEC 60884-3-2 ED1: Plugs and socket-outlets for household and similar purposes - Particular requirements for accessories incorporating electronic components to perform additional functions, 07/26/2024

**Electrical installations of ships and of mobile and fixed offshore units (TC 18)**

18A/484/CDV, IEC 60092-376 ED4: Electrical installations in ships - Part 376: Cables for control and instrumentation circuits 150/250 V (300 V), 07/26/2024

**Electromagnetic compatibility (TC 77)**

77B/890/CDV, IEC 61000-4-2 ED3: Electromagnetic compatibility (EMC) - Part 4-2: Testing and measurement techniques - Electrostatic discharge immunity test, 07/26/2024

**Environmental standardization for electrical and electronic products and systems (TC 111)**

111/757/CDV, IEC 63372 ED1: Quantification and communication of Carbon FootPRINT and GHG emission reductions/avoided emissions from electric and electronic products and systems ? Principles, methodologies, requirements and guidance, 07/26/2024

**Evaluation and Qualification of Electrical Insulating Materials and Systems (TC 112)**

112/645/FDIS, IEC 62631-3-12 ED1: Dielectric and resistive properties of solid insulating materials - Part 3-12: Determination of resistive properties (DC methods) - Volume resistance and volume resistivity - Method for casting resins, 06/14/2024

**Fibre optics (TC 86)**

86B/4919/CD, IEC 61300-2-2 ED4: Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-2: Tests - Mating durability, 06/28/2024

86B/4920/CD, IEC 61753-1 ED3: Fibre optic interconnecting devices and passive components - Performance standard - Part 1: General and guidance, 06/28/2024

**High Voltage Direct Current (HVDC) transmission for DC voltages above 100 kV (TC 115)**

115/369/CD, IEC TS 63529 ED1: DC side harmonics & filtering in HVDC transmission systems, 07/26/2024

**Hydraulic turbines (TC 4)**

4/497/FDIS, IEC 60308 ED3: Hydraulic turbines - Testing of governing systems, 06/14/2024

**Lamps and related equipment (TC 34)**

34B/2194/FDIS, IEC 61184/AMD2 ED4: Amendment 2 - Bayonet lampholders, 06/14/2024

**Magnetic components and ferrite materials (TC 51)**

51/1486(F)/CDV, IEC 60205 ED5: Calculation of the effective parameters of magnetic piece parts, 07/05/2024

**Marine energy - Wave, tidal and other water current converters (TC 114)**

114/526/NP, PNW TS 114-526 ED1: Measurement and characterization of turbulence, 07/26/2024

**Measuring equipment for electromagnetic quantities (TC 85)**

85/913/CDV, IEC 61554 ED2: Panel mounted equipment - Electrical measuring instruments - Dimensions for panel mounting, 07/26/2024

**Methods for the Assessment of Electric, Magnetic and Electromagnetic Fields Associated with Human Exposure (TC 106)**

106/638/CDV, IEC/IEEE 62704-2/AMD1 ED1: Amendment 1 - Determining the peak spatial-average specific absorption rate (SAR) in the human body from wireless communications devices, 30 MHz to 6 GHz - Part 2: Specific requirements for finite difference time domain (FDTD) modelling of exposure from vehicle mounted antennas, 07/26/2024

106/647/FDIS, IEC 61786-1/AMD1 ED1: Amendment 1 - Measurement of DC magnetic, AC magnetic and AC electric fields from 1 Hz to 100 kHz with regard to exposure of human beings - Part 1: Requirements for measuring instruments, 06/14/2024

**Nanotechnology standardization for electrical and electronic products and systems (TC 113)**

113/827/NP, PNW 113-827 ED1: 62607-8-5: Nanomanufacturing - Key Control Characteristics - Part 8-5: Nano-enabled metal-oxide interfacial devices - Oxygen distribution: Secondary ion mass spectrometry (SIMS), 07/26/2024

113/828/NP, PNW TS 113-828 ED1: Nanomanufacturing - Key control characteristics - Part 8-6: Metal-oxide interfacial devices - Optical properties: Spectroscopic ellipsometry, 07/26/2024

**Piezoelectric and dielectric devices for frequency control and selection (TC 49)**

49/1458/CD, Replaced by 49/1458A/CD, 07/26/2024

**Printed Electronics (TC 119)**

119/491/NP, PNW 119-491 ED1: IEC 62899-202-14 ED1 Printed electronics - Part 202-14: Materials - Test methods of conductive ink suitability for screen printing, 07/26/2024

119/492/NP, PNW 119-492 ED1: IEC 62899-202-13 ED1 Printed electronics - Part 202-13: Materials - Resistance measurement method for conductive layer in printed and in-mould electronics, 07/26/2024

**Rotating machinery (TC 2)**

2/2192/CD, IEC 60072-3 ED2: Dimensions and output series for rotating electrical machines - Part 3: Small built-in motors - Flange numbers BF10 to BF50, 07/26/2024

**Safety of hand-held motor-operated electric tools (TC 116)**

116/768/NP, PNW 116-768 ED1: Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 2-25: Particular requirements for hand-held chain beam saws, 07/26/2024

**Safety of household and similar electrical appliances (TC 61)**

61D/531/DTS, IEC TS 63542 ED1: Refrigerant detection systems for flammable refrigerants, 06/28/2024

**Secondary cells and batteries (TC 21)**

21/1195/CDV, IEC 62902 ED2: Secondary cells and batteries - Marking symbols for identification of their chemistry, 07/26/2024

**Semiconductor devices (TC 47)**

47E/832/FDIS, IEC 60747-15 ED3: Semiconductor devices - Part 15: Discrete devices - Isolated power semiconductor devices, 06/14/2024

**Solar photovoltaic energy systems (TC 82)**

82/2259/FDIS, IEC 62788-7-3/AMD1 ED1: Amendment 1 - Measurement procedures for materials used in photovoltaic modules - Part 7-3: Accelerated stress tests - Methods of abrasion of PV module external surfaces, 06/14/2024

**Switchgear and controlgear (TC 17)**

17C/932/CDV, IEC 62271-208 ED1: High-voltage switchgear and controlgear - Part 208: Methods to quantify the steady state, power-frequency electromagnetic fields generated by HV switchgear assemblies and HV/LV prefabricated substations, both for rated voltages above 1 kV and up to and including 52 kV, 07/26/2024

17C/935/FDIS, IEC 62271-211 ED2: High-voltage switchgear and controlgear - Part 211: Direct connection between power transformers and gas-insulated metal-enclosed switchgear for rated voltages above 52 kV, 06/14/2024

**Switchgear and Controlgear and Their Assemblies for Low Voltage (TC 121)**

121/167/CD, IEC 63208 ED1: Switchgear and controlgear and their assemblies for low voltage - Security aspects, 06/28/2024

**(SyCSmartCities)**

SyCSmartCities/337/CD, IEC SRD 63326 ED1: City Needs Analysis Framework, 07/26/2024

SyCSmartCities/338/CD, IEC SRD 63301-2 ED1: Smart city use case collection and analysis - Water systems in smart cities - Part 2: Use case analysis, 07/26/2024

SyCSmartCities/339/CD, IEC SRD 63302-2 ED1: Smart city use case collection and analysis - Intelligent operations center for smart cities - Part 2: Use Case Analysis, 07/26/2024



# 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](http://www.ansi.org). All paper copies are available from Standards resellers (<http://webstore.ansi.org/faq.aspx#resellers>).

## ISO Standards

### Agricultural food products (TC 34)

[ISO 5642:2024](#), Tea polyphenol extracts - Definition and basic requirements, \$54.00

### Aircraft and space vehicles (TC 20)

[ISO 14085-3:2024](#), Aerospace series - Test methods for hydraulic filter elements - Part 3: Filtration efficiency and retention capacity, \$223.00

### Concrete, reinforced concrete and pre-stressed concrete (TC 71)

[ISO 22040-2:2024](#), Life cycle management of concrete structures - Part 2: Structural planning and design stage, \$81.00

### Cryogenic vessels (TC 220)

[ISO 21013-1:2021/Amd 1:2024](#), - Amendment 1: Cryogenic vessels - Pressure-relief accessories for cryogenic service - Part 1: Reclosable pressure-relief valves - Amendment 1, \$23.00

### Fine ceramics (TC 206)

[ISO 5618-2:2024](#), Fine ceramics (advanced ceramics, advanced technical ceramics) - Test method for GaN crystal surface defects - Part 2: Method for determining etch pit density, \$166.00

### Hydrometric determinations (TC 113)

[ISO 6640:2024](#), Measurement of density of water-sediment mixture using radiation transmission method, \$124.00

### Materials, equipment and offshore structures for petroleum and natural gas industries (TC 67)

[ISO 3845:2024](#), Oil and gas industries including lower carbon energy - Full ring ovalization test method for the evaluation of the cracking resistance of steel line pipe in sour service, \$250.00

### Non-destructive testing (TC 135)

[ISO 18563-3:2024](#), Non-destructive testing - Characterization and verification of ultrasonic phased array equipment - Part 3: Complete systems, \$194.00

[ISO 32543-1:2024](#), Non-destructive testing - Characteristics of focal spots in industrial X-ray systems - Part 1: Pinhole camera radiographic method, \$124.00

### Optics and optical instruments (TC 172)

[ISO 6760-1:2024](#), Optics and photonics - Test method for temperature coefficient of refractive index of optical glasses - Part 1: Minimum deviation method, \$166.00

[ISO 6760-2:2024](#), Optics and photonics - Test method for temperature coefficient of refractive index of optical glasses - Part 2: Interferometric method, \$166.00

### Paper, board and pulps (TC 6)

[ISO 12625-16:2024](#), Tissue paper and tissue products - Part 16: Determination of optical properties - Diffuse reflectance method for opacity (paper backing), \$81.00

### Petroleum products and lubricants (TC 28)

[ISO 9200:2024](#), Petroleum measurement systems - Metering of viscous and high temperature liquids, \$166.00

### Photography (TC 42)

[ISO 20793:2024](#), Photography - Lenticular print for changing images - Measurements of image quality, \$194.00

### Refractories (TC 33)

[ISO 21068-1:2024](#), Chemical analysis of raw materials and refractory products containing silicon-carbide, silicon-nitride, silicon-oxynitride and sialon - Part 1: General information, terminology and sample preparation, \$54.00

### Road vehicles (TC 22)

[ISO 23373:2024](#), Heavy commercial vehicles and buses - Vehicle dynamics simulation and validation - Tyre model for lateral estimation of heavy vehicle combinations operated at dry paved road surface, \$81.00

[ISO 6621-4:2024](#), Internal combustion engines - Piston rings - Part 4: General specifications, \$194.00

### (TC 334)

[ISO 33405:2024](#), Reference materials - Approaches for characterization and assessment of homogeneity and stability, \$278.00

[ISO 33406:2024](#), Approaches for the production of reference materials with qualitative properties, \$223.00



### Technical drawings, product definition and related documentation (TC 10)

[ISO 22014:2024](#), Library objects for architecture, engineering, construction and use, \$223.00

### Welding and allied processes (TC 44)

[ISO 12224-1:2024](#), Solder wire, solid and flux-cored - Specification and test methods - Part 1: Classification and performance requirements, \$81.00

[ISO 12224-2:2024](#), Solder wire, solid and flux-cored - Specification and test methods - Part 2: Determination of flux content, \$54.00

## ISO Technical Specifications

### Agricultural food products (TC 34)

[ISO/TS 15213-3:2024](#), Microbiology of the food chain - Horizontal method for the detection and enumeration of Clostridium spp. - Part 3: Detection of Clostridium perfringens, \$194.00

### Iron ores (TC 102)

[ISO/TS 9516-2:2024](#), Iron ores - Determination of various elements by X-ray fluorescence spectrometry - Part 2: Single element calibration procedure, \$250.00

## ISO/IEC JTC 1 Technical Reports

[ISO/IEC TR 17903:2024](#), Information technology - Artificial intelligence - Overview of machine learning computing devices, \$166.00

## ISO/IEC JTC 1, Information Technology

[ISO/IEC TS 30168:2024](#), Internet of Things (IoT) - Generic trust anchor application programming interface for industrial IoT devices, FREE

## IEC Standards

### Cables, wires, waveguides, r.f. connectors, and accessories for communication and signalling (TC 46)

[IEC 62153-4-15 Amd.1 Ed. 2.0 b:2024](#), Amendment 1 - Metallic cables and other passive components test methods - Part 4-15: Electromagnetic compatibility (EMC) related test method for measuring transfer impedance and screening attenuation or coupling attenuation with triaxial cell, \$26.00

[IEC 62153-4-15 Ed. 2.1 en:2024](#), Metallic cables and other passive components test methods - Part 4-15: Electromagnetic compatibility (EMC) related test method for measuring transfer impedance and screening attenuation or coupling attenuation with triaxial cell, \$625.00

### Fibre optics (TC 86)

[IEC 61280-4-2 Ed. 3.0 b:2024](#), Fibre-optic communication subsystem test procedures - Part 4-2: Installed cabling plant - Single-mode attenuation and optical return loss measurements, \$483.00

[IEC 61300-2-27 Ed. 2.0 b:2024](#), Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-27: Tests - Dust (laminar flow), \$52.00

[IEC 60794-1-104 Ed. 1.0 b:2024](#), Optical fibre cables - Part 1 -104: Generic specification - Basic optical cable test procedures - Mechanical tests methods - Impact, method E4, \$52.00

[S+ IEC 61280-4-2 Ed. 3.0 en:2024 \(Redline version\)](#), Fibre-optic communication subsystem test procedures - Part 4-2: Installed cabling plant - Single-mode attenuation and optical return loss measurements, \$822.00

[S+ IEC/TR 61282-14 Ed. 3.0 en:2024 \(Redline version\)](#), Fibre optic communication system design guidelines - Part 14: Determination of the uncertainties of attenuation measurements in fibre plants, \$657.00

### Maritime navigation and radiocommunication equipment and systems (TC 80)

[IEC 61108-7 Ed. 1.0 en:2024](#), Maritime navigation and radiocommunication equipment and systems - Global navigation satellite systems (GNSS) - Part 7: Satellite based augmentation system (SBAS) L1 - Receiver equipment - Performance standards, methods of testing and required test results, \$444.00

## IEC Technical Reports

### Fibre optics (TC 86)

[IEC/TR 61282-14 Ed. 3.0 en:2024](#), Fibre optic communication system design guidelines - Part 14: Determination of the uncertainties of attenuation measurements in fibre plants, \$386.00

## IEC Technical Specifications

### Switchgear and controlgear (TC 17)

[IEC/TS 62271-5 Ed. 1.0 en:2024](#), High-voltage switchgear and controlgear - Part 5: Common specifications for direct current switchgear and controlgear, \$515.00

# International Organization for Standardization (ISO)

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## Call for U.S. TAG Administrator

### ISO/TC 100 – Chains and chain sprockets for power transmission and conveyors

There is currently no ANSI-accredited U.S. TAG Administrator for ISO/TC 100 – *Chains and chain sprockets for power transmission and conveyors* and therefore ANSI is not a member of this committee. The Secretariat for the committee is held by the China (SAC).

ISO/TC 100 operates under the following scope:

*Standardization in the field of power transmission chains, conveyor chains and chain wheels.*

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](mailto:isot@ansi.org)).

## Call for U.S. TAG Administrator

### ISO/TC 107 – Metallic and other inorganic coatings and Subcommittees

There is currently no ANSI-accredited U.S. TAG Administrator for ISO/TC 107 – *Metallic and other inorganic coatings*, or any of the active Subcommittees, and therefore ANSI is not a member of these committees. The Secretariats for the committees are held by:

ISO/TC 107 – *Metallic and other inorganic coatings*: Republic of Korea (KATS)

ISO/TC 107/SC 3 – *Electrodeposited coatings and related finishes*: Republic of Korea (KATS)

ISO/TC 107/SC 4 – *Hot dip coatings (galvanized, etc.)*: United Kingdom (BSI)

ISO/TC 107/SC 7 – *Corrosion tests*: Japan (JISC)

ISO/TC 107/SC 8 – *Chemical conversion coatings*: Republic of Korea (KATS)

ISO/TC 107/SC 9 – *Physical vapor deposition coatings*: China (SAC)

ISO/TC 107 operates under the following scope:

- *Standardization of the characteristics of protective and decorative metallic coating applied by electrolysis, fusion, vacuum or chemical means, mechanical deposition, ion plating.*
- *Standardization of the characteristics of protective and decorative non-metallic coatings (excluding paints and other organic coatings) on metal surface applied by electrolysis, fusion, vacuum or chemical means.*
- *Standardization of testing and inspection methods for such coatings.*
- *Standardization of the preparation of the substrates prior to the deposition of metallic and inorganic coatings.*

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](mailto:isot@ansi.org)).

## **International Organization for Standardization (ISO)**

### **Call for U.S. TAG Administrator**

#### **ISO/TC 170 – Surgical instruments**

There is currently no ANSI-accredited U.S. TAG Administrator for ISO/TC 170 – *Surgical instruments* and therefore ANSI is not a member of this committee. The Secretariat for the committee is held by the Germany (DIN).

ISO/TC 170 operates under the following scope:

*Standardization in the field of surgical instruments such as forceps, scissors, scalpels and retractors.*

*Excluded: specific instruments which are dealt with in ISO/TC 106 - Dentistry, and ISO/TC 150 - Implants for surgery.*

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](mailto:isot@ansi.org)).

### **Call for U.S. TAG Administrator**

#### **ISO/TC 52 – Light gauge metal containers**

There is currently no ANSI-accredited U.S. TAG Administrator for ISO/TC 52 – *Light gauge metal containers* and therefore ANSI is not a member of this committee. The Secretariat for the committee is held by the China (SAC).

ISO/TC 52 operates under the following scope:

*Standardization in the field of light gauge metal containers with a nominal material thickness up to or equal to 0.49 mm.*

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](mailto:isot@ansi.org)).

# Registration of Organization Names in the United States

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

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

Alphanumeric names appearing for the first time are printed in bold type. Names with confidential contact information, as requested by the organization, list only public review dates.

## Public Review

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

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

# Proposed Foreign Government Regulations

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## Call for Comment

U.S. manufacturers, exporters, trade associations, U.S. domiciled standards development organizations and conformity assessment bodies, consumers, or U.S. government agencies 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 to the WTO Secretariat in Geneva, Switzerland proposed technical regulations that may significantly affect trade. In turn, the Secretariat circulates the notifications along with the full texts. 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 Enquiry Point for the WTO TBT Agreement is located at the National Institute of Standards and Technology (NIST) in the Standards Coordination Office (SCO). The Enquiry Point relies on the WTO's ePing SPS&TBT platform to distribute the notified proposed foreign technical regulations (notifications) and their full texts available to U.S. stakeholders. Interested U.S. parties can register with ePing to receive e-mail alerts when notifications are added from countries and industry sectors of interest to them. The USA WTO TBT Enquiry 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 prior to submitting comments. For non-notified foreign technical barriers to trade for non-agricultural products, stakeholders are encouraged to reach out as early as possible to the Office of Trade Agreements Negotiations and Compliance (TANC) in the International Trade Administration (ITA) at the Department of Commerce (DOC), which specializes in working with U.S. stakeholders to remove unfair foreign government-imposed trade barriers. The U.S. Department of Agriculture's Foreign Agricultural Service actively represents the interests of U.S. agriculture in the WTO committees on Agriculture, Sanitary and Phytosanitary (SPS) measures and Technical Barriers to Trade (TBT). FAS alerts exporters to expected changes in foreign regulations concerning food and beverage and nutrition labeling requirements, food packaging requirements, and various other agriculture and food related trade matters. Working with other Federal agencies and the private sector, FAS coordinates the development and finalization of comments on measures proposed by foreign governments to influence their development and minimize the impact on U.S. agriculture exports. FAS also contributes to the negotiation and enforcement of free trade agreements and provides information about tracking regulatory changes by WTO Members. The Office of the United States Trade Representative (USTR) WTO & Multilateral Affairs (WAMA) office has responsibility for trade discussions and negotiations, as well as policy coordination, on issues related technical barriers to trade and standards-related activities.

### Online Resources:

WTO's ePing SPS&TBT platform: <https://epingalert.org/>

Register for ePing: <https://epingalert.org/en/Account/Registration>

WTO committee on Agriculture, Sanitary and Phytosanitary (SPS) measures:

[https://www.wto.org/english/tratop\\_e/sps\\_e/sps\\_e.htm](https://www.wto.org/english/tratop_e/sps_e/sps_e.htm)

WTO Committee on Technical Barriers to Trade (TBT): [https://www.wto.org/english/tratop\\_e/tbt\\_e/tbt\\_e.htm](https://www.wto.org/english/tratop_e/tbt_e/tbt_e.htm)

USA TBT Enquiry Point: <https://www.nist.gov/standardsgov/usa-wto-tbt-enquiry-point>

Comment guidance:

<https://www.nist.gov/standardsgov/guidance-us-stakeholders-commenting-notifications-made-wto-members-tbt-committee>

NIST: <https://www.nist.gov/>

TANC: <https://www.trade.gov/office-trade-agreements-negotiation-and-compliance-tanc>

Examples of TBTs: [https://tcc.export.gov/report\\_a\\_barrier/trade\\_barrier\\_examples/index.asp](https://tcc.export.gov/report_a_barrier/trade_barrier_examples/index.asp).

Report Trade Barriers: [https://tcc.export.gov/Report\\_a\\_Barrier/index.asp](https://tcc.export.gov/Report_a_Barrier/index.asp).

USDA FAS: <https://www.fas.usda.gov/about-fas>

FAS contribution to free trade agreements: <https://www.fas.usda.gov/topics/trade-policy/trade-agreements>

Tracking regulatory changes: <https://www.fas.usda.gov/tracking-regulatory-changes-wto-members>

USTR WAMA: <https://ustr.gov/trade-agreements/wto-multilateral-affairs/wto-issues/technical-barriers-trade>

Contact the USA TBT Enquiry Point at (301) 975-2918; E [usatbtep@nist.gov](mailto:usatbtep@nist.gov) or [notifyus@nist.gov](mailto:notifyus@nist.gov).



**ABYC P-4 July 20XX DRAFT**

**Equipment Division Standard**

**Engine & Powertrain Project  
Technical Committee**

*The ABYC Standards and Technical Information Reports for Small Craft are the product of a consensus of representatives of government, industry and public sectors. It is intended solely as a guide to aid manufacturers and the marine community in the design, construction, equipping and maintenance of small craft.*

*ABYC reviews each standard at least every five years at which time it may be reaffirmed, revised, or withdrawn. ABYC welcomes any written comments on the standards and technical information reports.*

# **ABYC P-4**

## **MARINE INBOARD ENGINES AND TRANSMISSIONS**

ABYC P-4  
4/2024

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**INSTRUCTIONS:** The highlighted sections represent substantive changes made during the review of consensus ballot/public review comments. These substantive changes require a second consensus ballot public review.

INSERT ANSI LOGO HERE

**P-4**  
**7/XX DRAFT**

**4.7 INSTRUMENTATION**

4.7.1 Inboard propulsion engines shall be equipped with an indicator at the primary helm position to show the following:

4.7.1.1 engine RPM;

4.7.1.2 temperature, including an audible alarm indicating the approach of unsatisfactorily high temperature

4.7.1.2.1 of the liquid cooling system, or,

4.7.1.2.2 in the case of air-cooled engines, the approach of unsatisfactorily high engine or exhaust duct temperature;

4.7.1.3 oil pressure, including an audible alarm indicating insufficient lubricating oil pressure of engines having pressure lubricating systems;

4.7.1.4 battery charging system, indicating failure of the charging system to operate properly;

4.7.1.5 transmission condition, for hydraulic transmissions, indicating the approach of unsatisfactory temperature or pressure;

4.7.1.6 an audible and/or visual indicator for emission related malfunction(s).

4.7.2 Catalyzed inboard propulsion spark ignition engines shall have the ability to transmit diagnostic information as per SAE J1939-05 *Marine Stern Drive and Inboard Spark-Ignition Engine On-Board Diagnostics Implementation Guide*.

**NOTES:**

1. Consult federal and state regulations for applicable requirements.
2. California Air Resources Board (CARB) or Environmental Protection Agency (EPA) approved Marine OBD-M systems meet the intent of this requirement.

**Proposed changes to ACCA Manual S - 2023, Residential Equipment Selection, Proposed Addendum B (Supplemental)**

***N1.3 Definitions***

Terminology directly relevant to *equipment* sizing procedures is defined below.

***Sizing Condition:***

The applicable set of parameters used to find *size limits* based on the *load calculation* and the type of cooling or heat pump *equipment* selected.

- ***Two-Speed Heat Pump Sizing Condition:*** The parameters used for sizing a two-speed *capacity* heat pump that is the **only primary** source of heat and is installed in climates in which the *JSHR* is 0.95 or greater, or that uses *active dehumidification*.
- ***Variable-Capacity Equipment Sizing Condition – Advanced:*** The default parameters used to size *variable-capacity* heat pumps that are the **only primary** source of heat installed.

**Rationale:** Based on ANSI/ACCA Manual S - 2023, and Addendum A – 2024, the above definitions are being revised to be consistent with the sizing condition requirements in the standard and therefore avoid possible confusion.



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[Note – the recommended changes to the standard which include the current text of the relevant section(s) indicate deletions by use of ~~strikeout~~ and additions by grey highlighting. Revision 2 changes are indicated by yellow highlighting. Rationale Statements are in *italics* and only used to add clarity; these statements will NOT be in the finished publication.]

NSF/ANSI/CAN Standard  
for Drinking Water Additives –

## Drinking Water System Components – Health Effects

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### Normative Annex 2

#### Acceptable materials

#### N-2.1 Purpose

This annex defines the evaluation process for materials that have been submitted for qualification as acceptable materials.

#### N-2.2 Evaluation of acceptable materials

A material shall be designated as an “acceptable material” in Table [N-2.1](#) if it has a standard material formulation or specification (e.g., ASTM); has undergone extraction testing that demonstrates that the material does not contribute any contaminant in excess of its acceptable level as determined by this standard (see Section [N-2.3](#)); and is accompanied by adequate documentation (see Section [3.4](#)).

##### N-2.2.1 Acceptable materials for mechanical plumbing devices – Lead leaching only

Materials included in Table [N-2.2](#) have been tested for compliance according to Section [9](#) requirements, but not for compliance under any other section of the standard or for nonlead analytes and therefore may be subject to additional testing outlined in this standard. The brass alloys included in Table [N-2.2](#) have demonstrated compliance with the lower lead leaching criteria for Section [9](#) endpoint devices in Section [9.5.1.1](#) when used within the operating parameters defined in the table.

##### N-2.2.2 Acceptable materials for mechanical devices and pipes and related products evaluated against TAC pass/fail limits.

Materials included in Table N-2.3 have been tested for compliance according to Section 4 and 8 requirements. The brass rod alloys included in Table N-2.3 produced via hot extrusion or continuous casting have demonstrated compliance with the relevant regulated metal leaching criteria for Section 4 and 8 applications where the TAC pass/fail limit is applicable when used within the operating parameters defined in the table. Additional testing outlined in this standard is required for applications made from these

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materials that fall outside the scope defined in Table N-2.3.

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**Table N-2.3**

**Acceptable materials for mechanical devices and pipes and related products evaluated against TAC pass/fail limits**

Material	Specific designation	Standard (product) reference	Surface area-to-volume ratio	End use temperature	Percent Composition
brass	UNS C27250	—	35 in <sup>2</sup> /L (226 cm <sup>2</sup> /L)	23 °C (73 °F)	copper (62.0 to 65.0) lead (0.009 max.) iron (0.35 max.) phosphorous (0.05 to 0.40) carbon (0.20 to 1.2) bismuth (0.009 max.) silicon (0.009 max) zinc (balance)
	UNS C27550	—	35 in <sup>2</sup> /L (226 cm <sup>2</sup> /L)	23 °C (73 °F)	copper (60.0 to 63.0) lead (0.04 max.) iron (0.35 max.) phosphorous (0.40 max.) carbon (0.20 to 1.2) bismuth (0.009 max.) silicon (0.009 max) zinc (balance)
	UNS C49100	—	35 in <sup>2</sup> /L (226 cm <sup>2</sup> /L)	23 °C (73 °F)	copper (85.5 to 87.5) lead (0.09 max.) tin (0.30 max.) iron (0.30 max.) phosphorous (0.10 max.) tellurium (0.30 to 0.9) nickel (0.30 max.) zinc (14.5 max.)
	UNS C69300	ASTM B124 ASTM B283 ASTM B371	35 in <sup>2</sup> /L (226 cm <sup>2</sup> /L)	23 °C (73 °F)	copper (73.0 to 77.0) lead (0.09 max.) tin (0.20 max.) iron (0.10 max.) phosphorous (0.04 to 0.15) nickel (0.10 max.) manganese (0.10 max.) silicon (2.7 to 3.4) zinc (balance)

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Table N-2.3

Acceptable materials for mechanical devices and pipes and related products evaluated against TAC pass/fail limits

Material	Specific designation	Standard (product) reference	Surface area-to-volume ratio	End use temperature	Percent Composition
	UNS C69850	ASTM B124 ASTM B283 ASTM B371	35 in <sup>2</sup> /L (226 cm <sup>2</sup> /L)	23 °C (73 °F)	copper (67.5 to 69.0) lead (0.09 max.) tin (0.20 max.) iron (0.10 max.) phosphorous (0.04 to 0.15) nickel (0.10 max.) manganese (0.10 max.) silicon (1.53 to 2.0) zinc (balance)
	UNS C89833 (continuous cast rod only)	—	35 in <sup>2</sup> /L (226 cm <sup>2</sup> /L)	23 °C (73 °F)	copper (86.0 to 91.0) lead (0.09 max.) tin (4.0 to 6.0) iron (0.30 max.) phosphorous (0.050 max.) nickel (1.0 max.) aluminum (0.005 max.) bismuth (1.7 to 2.7) sulfur (0.08 max.) antimony (0.25 max.) silicon (0.005 max.) zinc (2.0 to 6.0)
	UNS C89835 UNS C89833 (continuous cast rod only)	—	35 in <sup>2</sup> /L (226 cm <sup>2</sup> /L)	23 °C (73 °F)	copper (85.0 to 89.0) lead (0.09 max.) tin (6.0 to 7.5) iron (0.20 max.) phosphorous (0.10 max.) nickel (1.0 max.) aluminum (0.005 max.) bismuth (1.7 to 2.7) sulfur (0.08 max.) antimony (0.35 max.) silicon (0.005 max.) zinc (2.0 to 4.0)

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NSF/ANSI/CAN Standard  
for Drinking Water Additives –

## Drinking Water System Components – Health Effects

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### 4 Pipes and related products

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#### 4.7 Normalization of contaminant concentrations

##### 4.7.1 General

The concentration of analytes detected in the extraction water shall be multiplied by a calculated normalization factor (*NF*) to account for differences between laboratory and field surface area-to-volume ratios. The normalization factor shall be based on calculations and assumptions relevant to the end use of the product.

The general formula for the derivation of the normalization factor is described in the following equations:

$$NF = N1 \times N2$$

$$N1 = \frac{SA_F}{SA_L} \times \frac{V_L}{V_{F(static)}}$$

$$N2 = \frac{V_{F(static)}}{V_{F(flowing)}}$$

where:

$SA_F$  = surface area exposed in the field

$SA_L$  = surface area exposed in the laboratory

$V_L$  = volume of extraction water used in the laboratory

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$V_{F(static)}$  = volume of water to which the product is exposed under static conditions

$V_{F(flowing)}$  = volume of water to which the product is exposed under flowing conditions during a period of time equivalent to the laboratory test

When the length of the exposure being normalized is other than 16 h in length, the normalized value shall be adjusted to reflect a 16-h exposure (e.g., multiply the normalized value by 0.7 when a 24-h exposure was used). The nominal diameter of the product shall determine which assumptions are used for normalization (see Tables 4.4 and 4.5). The actual inner diameter of the product shall be used for the normalization calculations of surface area and volume.

NOTE — Adjustment of the normalized contaminant concentration for the duration of the exposure period shall consider the extraction kinetics of the contaminant under evaluation. For contaminants that do not exhibit linear extraction kinetics, adjustment for the duration of exposure shall be done in accordance with the demonstrated kinetics of the contaminant or shall not be applied if this information is not available.

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#### 4.7.4 Selection of normalization conditions

Pipe and fitting products with a nominal diameter  $\geq 10$  cm (4 in) shall be normalized to the flowing condition. Pipe and fitting products with a nominal diameter of  $< 10$  cm (4 in) shall be normalized to the static condition when the value of  $N_2$  is  $\leq 0.1$ . Pipe and fitting products with a nominal diameter of  $< 10$  cm (4 in) shall be normalized to the flowing condition when the value of  $N_2$  is  $> 0.1$ . The  $N_2$  term shall always equal one when calculating normalized static concentrations.

***Rationale: Adds language to eliminate confusion for normalization factors in section 4 and makes calculations consistent with other sections.***

**BSR/TMA AVS-01-202x****1.2.14 Call for Service (Notification (See: 5.6 16-5-6-14))**

A call or *Data Message* to the law enforcement authority, such as *ECC/PSAP/911* or the telephone number used to reach the responding law enforcement agency, that the *Alarm Monitoring Center* is in receipt of an alarm.

**3. ECC/PSAP Call for Service**

With the categorizing established in 2 above, and the data obtained during the process, this section provides the mechanics of a *Call for Service* to the *ECC/PSAP*.

**3.1. Intrusion Alarm**

When executing the procedures, as indicated within *CS-V-01* and described in Section 2, only alarms that cannot be categorized as *Intrusion Alarm Level 0*, continue to this point;

***ECC/PSAP Call for Service***

Communications shall be established with the appropriate *ECC/PSAP*. Once communication is established, data is exchanged as directed by the *ECC/PSAP* and supported by the *Alarm Monitoring Center*.

(See: *Intrusion Alarm Script Request for Service- Data Elements (\*5.3)*) Data may be conveyed electronically or verbally.

**3.1.1 Electronic Data Transmission**

Data is conveyed electronically to the *ECC/PSAP* specific to the conveyance

Examples are *ASAP* to *PSAP*, *NG9-1-1*, and the like.

**4. Compliance Management**

With the alarm event categorization and *ECC/PSAP Call for Service* defined in Sections 2 and 3, this section defines ongoing compliance management responsibilities of stations using *AVS* to process intrusion detection system alarm events.

Alarm Monitoring Centers that want to claim compliance with this standard **must shall** have a Nationally Recognized Testing Laboratory (NRTL) *AVS-01* certificate in force and **therefore follows demonstrate they follow** confirmation procedures outlined in *UL 827, UL 2050, ULC S301 or ULC S304 Standards and have a subset certificate meeting the requirements of this standard.*

**5.2 Assistant Card (See submittal)**

In the images **auditable** needs to be **audible** (4 occurrences)

ALARM LEVELS				
LEVEL 0	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4
No Notification	Notification	Person(s) Present Notification	Threat to Property	Threat to Life
No person(s) seen or heard	No person(s) seen or heard	Person(s) seen and/or heard	Visible/auditable evidence of threat to property	Visible/auditable evidence to threat to life
Automation clears alarm	Automation does not clear alarm	Signal caused by unauthorized person(s)		
CS-V-01 clears alarm	CS-V-01 does not clear alarm	Automation indicates human caused event(s) (Seismic, presence TBD)		
		CS-V-01 confirms unknown person(s) with unknown intent		
		Eyewitness confirms person(s) on prem		

<b>ALARM LEVELS</b>				
<b>LEVEL 0</b>	<b>LEVEL 1</b>	<b>LEVEL 2</b>	<b>LEVEL 3</b>	<b>LEVEL 4</b>
<b>No Notification</b>	<b>Notification</b>	<b>Person(s) Present Notification</b>	<b>Threat to Property</b>	<b>Threat to Life</b>
No person(s) seen or heard	No person(s) seen or heard	Person(s) seen and/or heard	Visible/auditable evidence of threat to property	Visible/auditable evidence to threat to life
Automation clears alarm	Automation does not clear alarm	Signal caused by unauthorized person(s)		
CS-V-01 clears alarm	CS-V-01 does not clear alarm	Automation indicates human caused event(s) (Seismic, presence TBD) CS-V-01 confirms unknown person(s) with unknown intent Eyewitness confirms person(s) on prem		

**BSR/UL 854, Standard for Safety for Service-Entrance Cables**

**1. Gasoline and Oil Resistant Markings, Revised 42.1 and 42.2 to Add PRI, PRII and GRI, GRII**

**PROPOSALS**

42.1 Wire and cables that are oil-resistant at 60°C (140°F) in accordance with the requirements in 33.2 are surface-marked “oil-resistant I” or “PRI”. Wires or cables that are oil-resistant at 75°C (167°F) in accordance with 33.1 are surface-marked “oil-resistant II” or “PRII”.

42.2 Wire and cables that are gasoline-resistant and oil-resistant in accordance with the requirements in 34.1 are surface-marked “gasoline and oil-resistant I” or “GRI” where oil-resistant at 60°C (140°F), and “gasoline and oil-resistant II” or “GRII” where oil-resistant at 75°C (167°F).

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**BSR/UL 1123, Standard for Safety for Marine Buoyant Devices**

**1. Alternate Markings and Point of Sale Information**

**PROPOSAL**

**35A Alternate Markings and Point of Sale Information**

**35A.1 General**

35A.1.4 Markings in Clause 35A shall only be used with the Think Safe Pamphlet given in 35A.6.

Markings in Clause 36A shall only be used with the Safe Choice Placard given in Clause 37.

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**BSR/UL 1180, Standard for Safety for Fully Inflatable Recreational Personal Flotation Devices**

**1. Alternate marking correction**

**PROPOSAL**

**45A Markings**

**45A.1 General**

45A.1.1 Markings on the device shall comply with either 45A or the alternate markings in 45B to 45F. When markings in 45A are used, they shall be accompanied with the Safe Choice Placard given in Clause 59A. Markings in clause 45B to 45F shall only be used with the Think Safe Pamphlet given in the Information Pamphlet requirements under Alternate Markings and Point of Sale Information of Standard for Marine Buoyant Devices, UL 1123.

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