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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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## ABYC (American Boat and Yacht Council)

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

### Revision

BSR/ABYC H-1-202x, Field of Vision from the Helm Position (revision of ANSI/ABYC H-1-2019)

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

Project Need: This standard specifies the requirements for the field of vision from the helm position(s) and applies to all boats powered by machinery.

Interest Categories: Manufacturer - Boats, Manufacturer - Engines, Manufacturer - Accessory, Trade Associations, Insurance/Survey, Specialist Service, Specialist Misc., Government, Consumer

This standard specifies the requirements for the field of vision from the helm position(s) and applies to all boats powered by machinery.

## ASME (American Society of Mechanical Engineers)

Maria Acevedo <[ansibox@asme.org](mailto:ansibox@asme.org)> | Two Park Avenue, 6th Floor | New York, NY 10016-5990 [www.asme.org](http://www.asme.org)

### Revision

BSR/ASME B16.9-202x, Factory-Made Wrought Butt Welding Fittings (revision of ANSI/ASME B16.9-2018)

Stakeholders: Users, manufacturers, distributors, consultants, and government

Project Need: This standard provides updates to the 2018 edition of B16.9 Standard on Factory-Made Wrought Butt Welding Fittings.

Interest Categories: AC Designer/Constructor, AD Distributor, AF General Interest, AH Insurance/Inspection, AK Manufacturer, AM Material Manufacturer, AT Regulatory, AW User,

This Standard covers overall dimensions, tolerances, ratings, testing, and markings for factory-made wrought butt welding fittings in sizes NPS 1/2 through NPS 48 (DN 15 through DN 1200).

**ASME (American Society of Mechanical Engineers)**

Maria Acevedo <[ansibox@asme.org](mailto:ansibox@asme.org)> | Two Park Avenue, 6th Floor | New York, NY 10016-5990 [www.asme.org](http://www.asme.org)

**Revision**

BSR/ASME B16.14-202x, Ferrous Pipe Plugs, Bushings, and Locknuts with Pipe Threads (revision of ANSI/ASME B16.14-2018)

Stakeholders: manufacturers and consumers

Project Need: This standard provides updates to the 2018 edition to correct the outside Hex Bushing Conformance with ANSI/ASME B1.20.1 threads and gaging requirements.

Interest Categories: AC Designer/Constructor, AD Distributor, AF General Interest, AH Insurance/Inspection, AK Manufacturer, AM Material Manufacturer, AT Regulatory, AW User,

This Standard covers the following: (a) pressure-temperature ratings, (b) size, (c) marking, (d) materials, (e) dimensions and tolerances, (f) threading, and (g) pattern taper.

**ASTM (ASTM International)**

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

**New Standard**

BSR/ASTM WK88231-202x, New Test Method for Antiflashback Burner (new standard)

Stakeholders: Machinery and Piping Systems Industry

Project Need: The Coast Guard seeks industry input on developing a standard for testing antiflashback burners.

Interest Categories: Producer, User, General Interest

This standard provides the minimum requirements for design, construction, performance, and testing of anti-flashback burners (AFBs) used in marine vapor control systems (VCSs). This standard is intended for anti-flashback burners that protect systems containing vapors of flammable or combustible liquids or non-high flashpoint liquids.

**ASTM (ASTM International)**

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

**New Standard**

BSR/ASTM WK88268-202x, New Specification for Specifications for Adult Foam Projectile Launchers (new standard)

Stakeholders: Airsoft Industry

Project Need: The Adult Foam Dart Based Launcher sports activities have grown exponentially over the last 5 years growing from a nearly unknown activity to being one of the fastest growing action sports activities today. This activity is similar to airsoft sports and therefore the F08.27 subcommittee has been following the growth in this new market. This year, several manufacturers and other interested groups have approached the F08.27 subcommittee with the request to assist them in the development of ASTM standards for this sport. The subcommittee has agreed to assist this industry to begin development of their own standards with the expectation that, once they have developed their initial standards, the group will break off and form their own subcommittee.

Interest Categories: Producer, User, General Interest

This specification covers Adult Foam Projectile Based Launchers, which propel a foam projectile by means of energy released by battery, compressed gas, compressed CO<sub>2</sub>, mechanical springs, or a combination thereof, used in the sport commonly called Adult Foam Dart Games, or Adult Foam Dart Sport Games and is to be used in conjunction with other related standards in development.

**ASTM (ASTM International)**

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

***New Standard***

BSR/ASTM WK88269-202x, New Specification for Adult Foam Dart Based Launchers Warnings (new standard)  
Stakeholders: Airsoft Industry

Project Need: The Adult Foam Dart Based Launcher sports activity has grown exponentially over the last 5 years growing from a nearly unknown activity to being one of the fastest growing action sports activities today. This activity is similar to airsoft sports and therefore the F08.27 subcommittee has been following the growth in this new market. This year several manufacturers and other interested groups have approached the F08.27 subcommittee with the request to assist them in the development of ASTM standards for this sport. The subcommittee has agreed to assist this industry to begin development of their own standards with the expectation once they have developed their initial standards the group will break off and form their own subcommittee.

Interest Categories: Producer, User, General Interest

This specification covers warnings for Adult Foam Dart Based Launchers which propel foam Projectiles which will be defined in another ASTM standard.

**ATIS (Alliance for Telecommunications Industry Solutions)**

Anna Karditzas <[akarditzas@atis.org](mailto:akarditzas@atis.org)> | 1200 G Street NW, Suite 500 | Washington, DC 20005 [www.atis.org](http://www.atis.org)

***Revision***

BSR/ATIS 1000059-202x, ETS Wireline Access Requirements (revision of ANSI/ATIS 1000059-2017 (R2022))  
Stakeholders: Telecommunications Industry

Project Need: Current requirements and text on pre-emption in ATIS 1000059 are not consistent with FCC Title 47 Appendix B to Part 64—Wireless Priority Service (WPS) for National Security and Emergency Preparedness (NSEP) issued May 2022, which provides clarifications that permit voice, data, text, and video communications from NSEP users to preempt or degrade other in-progress communications, except for public safety emergency (911) communications.

Interest Categories: General Interest, Producer, User

This standard specifies Emergency Telecommunications Service (ETS) network element requirements for wireline access in support of ETS Voice and ETS Video. These requirements are based on the procedures defined in the ETS in IP Networks Phase 1 standard [ATIS 1000010]. In addition, Operations, Administration, Maintenance, and Provisioning (OAM&P) requirements are specified.

**ATIS (Alliance for Telecommunications Industry Solutions)**

Anna Karditzas <[akarditzas@atis.org](mailto:akarditzas@atis.org)> | 1200 G Street NW, Suite 500 | Washington, DC 20005 [www.atis.org](http://www.atis.org)

***Revision***

BSR/ATIS 1000065-202x, ETS EPC Network Element Requirements (revision of ANSI/ATIS 1000065-2015 (R2020))  
Stakeholders: Telecommunications Industry

Project Need: Current requirements and text on pre-emption in ATIS 1000065 are not consistent with FCC Title 47 Appendix B to Part 64—Wireless Priority Service (WPS) for National Security and Emergency Preparedness (NSEP) issued May 2022, which provides clarifications that permit voice, data, text, and video communications from NSEP users to preempt or degrade other in-progress communications, except for public safety emergency (911) communications.

Interest Categories: General Interest, User, Producer

This standard specifies Emergency Telecommunications Service (ETS) requirements for an Evolved Packet System (EPS) consisting of the Evolved UMTS (Universal Mobile Telecommunications System) Terrestrial Radio Access Network (E-UTRAN) and the Evolved Packet Core (EPC) for support of NGN GETS Voice, NGN GETS Video, NGN GETS Guaranteed Bit Rate (GBR) Data, and NGN GETS Data Transport.

**AWS (American Welding Society)**

Kevin Bulger <[kbulger@aws.org](mailto:kbulger@aws.org)> | 8669 NW 36th Street, Suite 130 | Miami, FL 33166-6672 [www.aws.org](http://www.aws.org)

**Revision**

BSR/AWS A5.14/A5.14M-202x, Specification for Nickel and Nickel-Alloy Bare Welding Electrodes and Rods (revision of ANSI/AWS A5.14/A5.14M-2023)

Stakeholders: Welding Industry

Project Need: Updating for new practices and classifications

Interest Categories: User, Educator, Producer, General Interest, Distributor

The chemical compositions of nickel and nickel-alloy welding electrodes and rods are specified. Major topics include general requirements, testing, packaging and application guidelines. This specification makes use of both U.S. Customary Units and the International System of Units (SI). Since these are not equivalent, each system must be used independently of the other.

**AWS (American Welding Society)**

Kevin Bulger <[kbulger@aws.org](mailto:kbulger@aws.org)> | 8669 NW 36th Street, Suite 130 | Miami, FL 33166-6672 [www.aws.org](http://www.aws.org)

**Revision**

BSR/AWS A5.18/A5.18M-202x, Specification for Carbon Steel Electrodes and Rods for Gas Shielded Arc Welding (revision of ANSI/AWS A5.18/A5.18M-2023)

Stakeholders: Welding industry

Project Need: Updating for new practices and classifications.

Interest Categories: User, Educator, Producer, General Interest, Distributor

This specification prescribes the requirements for classification of carbon steel electrodes and rods, including solid, composite stranded, and composite metal cored electrodes for gas shielded arc welding. Classification is based on chemical composition of the electrode for solid electrodes and rods, chemical composition of weld metal for composite stranded and composite metal-cored electrodes and rods, and the as-welded mechanical properties of the weld metal for each. Additional requirements are included for usability, manufacturing, diameters, lengths, and packaging. A guide is appended to the specification as a source of information concerning the classification system employed and the intended use of the electrodes and rods. This specification makes use of both U.S. Customary Units and the International System of Units (SI). Since these units are not equivalent, each system must be used independently of the other.

**AWS (American Welding Society)**

Jennifer Rosario <[jjrosario@aws.org](mailto:jjrosario@aws.org)> | 8669 NW 36th Street, Suite 130 | Miami, FL 33166-6672 [www.aws.org](http://www.aws.org)

**New Standard**

BSR/AWS C4.5/C4.5M-202x, Uniform Designation System for Oxyfuel Nozzles (new standard)

Stakeholders: Welders, welding operators, and equipment manufacturers.

Project Need: There is a need in the oxyfuel welding and cutting industry for a system for uniform identification of nozzles.

Interest Categories: Producers, Users, Educators, and General Interest

This document presents recommendations to oxyfuel welding, cutting, and heating/brazing torch nozzle manufacturers regarding the identification markings to be permanently applied to the torch nozzle to identify its intended application. The identification will provide information to improve the safe operation and application of nozzles by torch operators.

**BHMA (Builders Hardware Manufacturers Association)**

Karen Bishop <[kbishop@kellencor.com](mailto:kbishop@kellencor.com)> | 355 Lexington Avenue, 15th Floor | New York, NY 10017-6603 [www.buildershardware.com](http://www.buildershardware.com)

**Revision**

BSR/BHMA A156.3-202x, Standard for Exit Devices (revision of ANSI/BHMA A156.3-2020)

Stakeholders: Manufacturers, builders, architects, specifiers, consumers, test labs, retailers.

Project Need: Five-year update.

Interest Categories: User, Government, General Interest, Laboratory, Producer

This standard establishes requirements for exit devices and trim, automatic flush bolts, removable mullions, coordinators, and carry-open bars. Performance criteria include cycle, operational, strength, material evaluation, and security tests.

**BHMA (Builders Hardware Manufacturers Association)**

Karen Bishop <[kbishop@kellencor.com](mailto:kbishop@kellencor.com)> | 355 Lexington Avenue, 15th Floor | New York, NY 10017-6603 [www.buildershardware.com](http://www.buildershardware.com)

**Revision**

BSR/BHMA A156.35-202x, Standard for Power Supplies for Electronic Access Control (revision of ANSI/BHMA A156.35-2020)

Stakeholders: Manufacturers, builders, architects, specifiers, consumers, test labs, retailers.

Project Need: Five-year update.

Interest Categories: User, Government, General Interest, Laboratory, Producer

This Standard establishes requirements for power supplies specifically designed for use with electronic access control hardware and related electrical components to distribute power.

**CTA (Consumer Technology Association)**

Catrina Akers <[cakers@cta.tech](mailto:cakers@cta.tech)> | 1919 South Eads Street | Arlington, VA 22202 [www.cta.tech](http://www.cta.tech)

**New Standard**

BSR/CTA 2128-202x, Definitions and Characteristics of Motion as a Vital Sign (new standard)

Stakeholders: Consumers, manufacturers, and retailers.

Project Need: Provide definitions and performance criteria for measuring motion as a vital sign on consumer wearables and related devices.

Interest Categories: General interest, users, and producers.

This standard defines definitions and performance criteria for measuring motion as a vital sign on consumer wearables and related devices.

**NEMA (ASC C78) (National Electrical Manufacturers Association)**

Michael Erbesfeld <[Michael.Erbesfeld@nema.org](mailto:Michael.Erbesfeld@nema.org)> | 1300 N 17th St | Rosslyn, VA 22209 [www.nema.org](http://www.nema.org)

**Revision**

BSR C78.377-202X, Standard for Electric Lamps -- Specifications for the Chromaticity of Solid-State Lighting Products (revision of ANSI C78.377-2017 (R2022))

Stakeholders: Producers, Users, General Interest

Project Need: This revision project is needed to specify chromaticity ranges for lighting in general indoor AND outdoor applications, as well as to extend the chromaticity tolerances in the 1800 and 2000K range of color temperatures.

Interest Categories: Producers, Users, General Interest

The purpose of this standard is to specify the range of chromaticity for general lighting with solid-state lighting (SSL) products, as well as to ensure that the chromaticity of the products can be communicated to consumers. This standard applies to LED lamps, LED light engines and LED luminaires for general lighting applications and may apply more broadly. This document does not apply to lighting fixtures sold without a light source. This standard also does not apply to SSL products for some indoor applications that intentionally produce colored light.

**NEMA (ASC C78) (National Electrical Manufacturers Association)**

Michael Erbesfeld <[Michael.Erbesfeld@nema.org](mailto:Michael.Erbesfeld@nema.org)> | 1300 N 17th St | Rosslyn, VA 22209 [www.nema.org](http://www.nema.org)

**New Standard**

BSR C78.378-202X, Standard for Electric Light Sources - Color Specifications for Non-White Phosphor-Converted (PC-) and Direct Emission (DE-) Solid-State Lighting Products (new standard)

Stakeholders: Producers, Users, General Interest

Project Need: This project is needed to specify chromaticity ranges for general non-white colored solid-state lighting (SSL) products used in indoor and outdoor applications. Nominal descriptions based on these tolerances can be used to communicate color appearance to consumers.

Interest Categories: Producers, Users, General Interest

The purpose of this standard is to specify the color characteristics of general solid-state lighting (SSL) products with chromaticities outside of the ANSI C78.377 quadrangles. The standard will provide specification nomenclature for Direct Emission (DE-) and Phosphor Converted (PC-) solid-state lighting (SSL) products based on chromaticity, peak wavelength, or some combination thereof as appropriate. This standard focuses on SSL products with peak/dominant wavelengths approximately longer than 550 nm, such as PC- and DE- Yellow/Amber/Orange/Red-Orange/Red. These products are generally applied where it is desired to limit short wavelength illumination (< 500 nm). This document does not apply to lighting fixtures sold without a light source.

**NEMA (ASC C8) (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 NEMA HP 3-202X, Insulated High-Temperature Hook-Up Wire; Types ET (250 Volts), E (600 Volts), and EE (1000 Volts) (revision of ANSI/NEMA HP 3-2021)

Stakeholders: Wire and Cable manufacturers, Defense industry, aerospace industry, other high performance applications.

Project Need: Regular 5-year maintenance

Interest Categories: Producers, Users and General Interests

This Standards publication covers specific requirements for PTFE (polytetrafluoroethylene) insulated solid and stranded wire designed for the internal wiring of high-reliability electrical and electronic equipment. This Standards Publication addresses 250-volt (Type ET), 600-volt (Type E), and 1000-volt (Type EE) wire and permits continuous conductor temperature ratings of -65°C to +200°C with silver-coated conductors and -65°C to +260°C with nickel-coated conductors.

## **SERI (Sustainable Electronics Recycling International)**

Mike Easterbrook <[Mike@SustainableElectronics.org](mailto:Mike@SustainableElectronics.org)> | P.O. Box 721 | Hastings, MN 55033 [www.sustainableelectronics.org](http://www.sustainableelectronics.org)

### ***New Standard***

BSR/SERI ESG v. 1.0-202x, SERI ESG Reporting Standard for Electronics (new standard)

Stakeholders: Reporting facilities in the electronics value chain, public corporations, original equipment manufacturers, contract manufacturers, the investment community, regulators

Project Need: Environmental, Social and Governance (ESG) reporting is becoming as necessary as financial reporting for businesses. ESG reporting is a way for the financial industry to measure risks beyond what were traditional evaluations, looking at an organization's policies and practices to include a quantitative assessment of ESG impacts to that business. Providing information for ESG reports is an increasingly important customer requirement for all parts of the electronics value chain -- sustainability, procurement, reverse logistics, mobile, ITAD, reuse, recycling, both inside and outside of electronics. But despite this increased focus, measurement of impacts is self-reported and typically imperfect, inconsistent, or even inaccurate. While existing initiatives work to create general guidelines for reporting across all sectors, there are currently no industry specific requirements for electronics, and no third-party oversight to the reporting that currently exists.

Interest Categories: (1) Customers of Entities who need verified reporting from Entities, (2) Entities who will use the standard to standardize reporting, and (3) Public Interest/Regulators/Others

SERI will bring together stakeholders throughout the electronics value chain to develop a standard to systematically measure and report ESG metrics that will meet or exceed regulatory requirements globally, enable consistent and reliable metrics to benchmark, and measure negative and positive impacts. Additionally, SERI will implement a third-party verification program in accordance with ISO 17029 to verify claims made by participating organizations.



# 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

## Comment Deadline: December 10, 2023

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

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

#### Addenda

BSR/ASHRAE/ASHE Addendum g to ANSI/ASHRAE/ASHE Standard 189.3-2021, Design, Construction, and Operation of Sustainable High-Performance Health Care Facilities (addenda to ANSI/ASHRAE/ASHE Standard 189.3-2021)

This proposed addendum reflects the growing trend to electrify buildings.

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

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

### BICSI (Building Industry Consulting Service International)

8610 Hidden River Parkway, Tampa, FL 33637 | [jsilveira@bicsi.org](mailto:jsilveira@bicsi.org), [www.bicsi.org](http://www.bicsi.org)

#### Revision

BSR/BICSI 003-202x, Building Information Modeling (BIM) Practices for Information Communication Technology Systems (revision of ANSI/BICSI 003-2014)

This is a periodic update to keep the standard current with industry and system requirements and trends, where this document defines the usage of BIM elements provided by product manufacturers, as well as the Level of Detail (LOD) that each model is requires. This document also guides the ICT designer during the development and coordination of the 3D model and related modeling tasks.

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

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

## Comment Deadline: December 10, 2023

### NSF (NSF International)

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

#### Revision

BSR/NSF 401-202x (i36r1), Drinking Water Treatment Units - Emerging Compounds/Incidental Contaminants (revision of ANSI/NSF 401-2022)

The point-of-use (POU) and point-of-entry (POE) systems addressed by this standard are designed to be used for the reduction of specific substances that may be present in drinking water (public or private), considered to be microbiologically safe, and of known quality. Systems covered under this standard are intended to reduce substances that are at very low, yet measurable concentrations, but not at definitive concentrations of known health concern.

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

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

### NSF (NSF International)

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

#### Revision

BSR/NSF/CAN 60-202x (i96r1), Drinking Water Treatment Chemicals - Health Effects (revision of ANSI/NSF/CAN 60-2021)

This standard contains health effects requirements for drinking water treatment chemicals that are directly added to water and are intended to be present in the finished water. This standard also contains health effects requirements for other chemical products that are directly added to water but are not intended to be present in the finished water.

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

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Monica Leslie <[mleslie@nsf.org](mailto:mleslie@nsf.org)>

### ULSE (UL Standards & Engagement)

333 Pflugsten Road, Northbrook, IL 60062 | [megan.monsen@ul.org](mailto:megan.monsen@ul.org), <https://ulse.org/>

#### Revision

BSR/UL 510-202x, Standard for Safety for Polyvinyl Chloride, Polyethylene, and Rubber Insulating Tape (revision of ANSI/UL 510-2022)

This revision includes a clarification to result recording – Dielectric.

[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, ON K1P 1J9 Canada | [celine.eid@ul.org](mailto:celine.eid@ul.org), <https://ulse.org/>

#### Revision

BSR/UL 1660-202x, Standard for Safety for Liquid-Tight Flexible Nonmetallic Conduit (revision of ANSI-UL 1660-2023)

Addition of minimum inside diameter for trade sizes 2-1/2 & 3-1/2.

[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: December 10, 2023

### ULSE (UL Standards & Engagement)

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

#### Revision

BSR/UL 2225-202x, Standard for Safety for Cables and Cable Fittings for Use in Hazardous (Classified) Locations (revision of ANSI/UL 2225-2022)

(1) Revisions to the recirculation proposal document dated September 1, 2023 per responses to comments received.

[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: December 25, 2023

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

2590 Niles Road, Saint Joseph, MI 49085 | [stell@asabe.org](mailto:stell@asabe.org), <https://www.asabe.org/>

#### Reaffirmation

BSR/ASABE AD8759-1:2018 JUL2019 (R202x), Agricultural tractors - Front-mounted equipment - Part 1: Power take-off: Safety requirements and clearance zone around PTO (reaffirm a national adoption ANSI/ASABE AD8759-1-2019)

Specifies safety requirements for, and clearance zones around, front-mounted power take-offs (PTO) on agricultural tractors. It is not applicable to tractors which are designed to run in two directions, where either end can be considered to be the front or the rear.

Single copy price: \$78.00

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

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Sadie Stell, [stell@asabe.org](mailto:stell@asabe.org)

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

2590 Niles Road, Saint Joseph, MI 49085 | [stell@asabe.org](mailto:stell@asabe.org), <https://www.asabe.org/>

#### Reaffirmation

BSR/ASABE AD8759-3 AUG2019 (R202x), Agricultural tractors - Front-mounted equipment - Part 3: Power take-off: General specifications and location (reaffirm a national adoption ANSI/ASABE AD8759-3-2019)

This standard gives general specification and location requirements for front-mounted power takeoffs (PTO) on agricultural tractors. It is not applicable to tractors which are designed to run in two directions, where either end can be considered to be the front or the rear.

Single copy price: \$78.00

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

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Sadie Stell, [stell@asabe.org](mailto:stell@asabe.org)

## Comment Deadline: December 25, 2023

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

2590 Niles Road, Saint Joseph, MI 49085 | [stell@asabe.org](mailto:stell@asabe.org), <https://www.asabe.org/>

#### Reaffirmation

BSR/ASABE AD8759-4 AUG2019 (R202x), Agricultural tractors - Front-mounted equipment - Part 4: Three-point linkage (reaffirm a national adoption ANSI/ASABE AD8759-4-2019)

This standard specifies dimensions and requirements for three-point linkage in association with a power lift for the attachment of implements or equipment to the front of agricultural tractors. It is not applicable to tractors which are designed to run in two directions, where either end can be considered to be the front or the rear.

Single copy price: \$78.00

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

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Sadie Stell, [stell@asabe.org](mailto:stell@asabe.org)

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

2590 Niles Road, Saint Joseph, MI 49085 | [stell@asabe.org](mailto:stell@asabe.org), <https://www.asabe.org/>

#### Reaffirmation

BSR/ASABE S619.1-AUG2019 (R202x), Safety for Tractor-Mounted, Boom-Type Post Hole Diggers (reaffirmation of ANSI/ASABE S619.1-AUG2019)

This Standard applies to boom-type post hole diggers designed and intended for digging vertical, cylindrical holes. This Standard applies to boom-type post hole diggers designed for attachment to the three-point hitch of agricultural tractors as specified in ANSI/ASAE S390, equipped with Category I or Category II three-point linkage as specified in ANSI/ASABE AD730:2009, and powered by a 540-rpm power take-off or by the agricultural tractor's hydraulic power.

Single copy price: \$78.00

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

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Sadie Stell, [stell@asabe.org](mailto:stell@asabe.org)

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

2590 Niles Road, Saint Joseph, MI 49085 | [stell@asabe.org](mailto:stell@asabe.org), <https://www.asabe.org/>

#### Reaffirmation

BSR/ASABE S638-MAY19 (R202x), Pintle Hitch and Ring for Over the Road Towed Implements (reaffirmation of ANSI/ASABE S638-MAY19)

This standard establishes requirements for a pintle hitching system suitable for use with over the road towed implements as defined by ANSI/ASAE S390 (ISO 12934:2013). PTO driven implements are out of scope of this standard.

Single copy price: \$78.00

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

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Sadie Stell, [stell@asabe.org](mailto:stell@asabe.org)

## Comment Deadline: December 25, 2023

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

2590 Niles Road, Saint Joseph, MI 49085 | [stell@asabe.org](mailto:stell@asabe.org), <https://www.asabe.org/>

#### **Reaffirmation**

BSR/ASABE S639.2-FEB2019 (R202x), Safety Standard for Large Row-Crop Flail Mowers (reaffirmation of ANSI/ASABE S639.2-FEB2019)

This standard specifies the safety requirements and their verification for the design and construction of large row-crop flail mowers with a cutting width larger than 3 m and used exclusively in agricultural field applications and which have the rear part that can be opened for these particular field-use operations. These machines may be equipped with adjustable material discharge gates or deflectors located on the rear of the mower. It describes methods for the elimination or reduction of hazards arising from the intended use and reasonably foreseeable misuse of these machines by one person (the operator) in the course of normal operation and service. In addition, it specifies the type of information on safe working practices to be provided by the manufacturer.

Single copy price: \$78.00

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

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Sadie Stell, [stell@asabe.org](mailto:stell@asabe.org)

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

2590 Niles Road, Saint Joseph, MI 49085 | [stell@asabe.org](mailto:stell@asabe.org), <https://www.asabe.org/>

#### **Reaffirmation**

BSR/ASAE S279.18-OCT2019 (R202x), Lighting and Marking of Agricultural Equipment on Highways (reaffirmation of ANSI/ASAE S279.18-OCT2019)

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

Single copy price: \$78.00

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

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Sadie Stell, [stell@asabe.org](mailto:stell@asabe.org)

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

2590 Niles Road, Saint Joseph, MI 49085 | [stell@asabe.org](mailto:stell@asabe.org), <https://www.asabe.org/>

#### **Reaffirmation**

BSR/ASAE S375.2-1996 (R202x), Capacity Ratings and Unloading Dimensions for Cotton Harvester Baskets (reaffirmation of ANSI/ASAE S375.2-1996 (R2018))

The purpose of this Standard is to provide a uniform method of expressing the following information relative to cotton strippers and cotton pickers.

Single copy price: \$78.00

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

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Sadie Stell, [stell@asabe.org](mailto:stell@asabe.org)

## Comment Deadline: December 25, 2023

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

2590 Niles Road, Saint Joseph, MI 49085 | [stell@asabe.org](mailto:stell@asabe.org), <https://www.asabe.org/>

#### **Reaffirmation**

BSR/ASAE S296.5 DEC2003 (R202x), General Terminology for Traction of Agricultural Traction and Transport Devices and Vehicles (reaffirmation of ANSI/ASAE S296.5 DEC2003 (R2018))

This terminology is to assist in the standardized reporting of information on traction and transport devices and vehicles. When it is not possible for data to be reported using this terminology, it is recommended that new terms be clearly defined. Unless otherwise indicated, all definitions refer to individual traction or transport devices or vehicles operating on a horizontal surface.

Single copy price: \$78.00

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

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Sadie Stell, [stell@asabe.org](mailto:stell@asabe.org)

### **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)

#### **Addenda**

BSR/ASHRAE Addendum a to Standard 205-2023, Representation of Performance Data for HVAC&R and Other Facility Equipment (addenda to ANSI/ASHRAE Standard 205-2023)

This addendum contains several “clean-up” changes to Standard 205-2023. The changes include: adding parentheses in human-readable documentation of derived units; updating references; replacing NULL as a data element property with Operation State data element(s); removing superfluous and redundant data in RS0001 (liquid-cooled chiller representation specification); and reworking representation of liquid pressure differential in RS0001 (liquid-cooled chiller representation specification).

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>

### **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)

#### **Addenda**

BSR/ASHRAE Addendum b to Standard 205-2023, Representation of Performance Data for HVAC&R and Other Facility Equipment (addenda to ANSI/ASHRAE Standard 205-2023)

This addendum simplifies equipment rating information that may be included in representations conforming to Standard 205-2023. Addendum b proposes to drop part-load rating information and retain only primary ratings. This reduces the effort required to publish Standard 205 conforming representations with minimal loss of utility for users of those representations.

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: December 25, 2023

### **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)

#### **Addenda**

BSR/ASHRAE Addendum c to Standard 205-2023, Representation of Performance Data for HVAC&R and Other Facility Equipment (addenda to ANSI/ASHRAE Standard 205-2023)

This addendum proposes support for scalable representations of equipment performance—that is, representations that provide performance data for a range of capacities. The addendum proposes that extensive properties such as capacity and input power be allowed to scale (that is, be multiplied by a factor) so equipment is sized appropriately relative to operating load. The permitted extent of scaling is specified in the representation, so data for specific pieces of equipment can be provided with fixed properties.

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>

### **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)

#### **New Standard**

BSR/ASTM E1020-202x, Practice for Reporting Incidents that May Involve Criminal or Civil Litigation (new standard)

<https://www.astm.org/get-involved/technical-committees/ansi-review>

Single copy price: Free

Obtain an electronic copy from: [accreditation@astm.org](mailto:accreditation@astm.org)

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

### **AVIXA (Audiovisual and Integrated Experience Association)**

11242 Waples Mill Road, Suite 200, Fairfax, VA 22030 | [lovecash@avixa.org](mailto:lovecash@avixa.org), [www.avixa.org](http://www.avixa.org)

#### **Reaffirmation**

BSR/INFOCOMM 10-2013 (R202x), Audiovisual Systems Performance Verification (reaffirmation of ANSI/INFOCOMM 10-2013)

This Standard provides a framework and supporting processes for determining elements of an audiovisual system that need to be verified; the timing of that verification within the project delivery cycle; a process for determining verification metrics, and reporting procedures. Consultants, integrators, manufacturers, technology support staff, owners, third-party commissioning agents, and architects who have verification processes in place can integrate those existing processes into the framework this Standard provides, adding customized items to those already defined in the Standard.

Single copy price: \$35.00

Obtain an electronic copy from: [lovecash@avixa.org](mailto:lovecash@avixa.org)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Loanna Overcash, [lovecash@avixa.org](mailto:lovecash@avixa.org)

## Comment Deadline: December 25, 2023

### HI (Hydraulic Institute)

300 Interpace Parkway, Building A, 3rd Floor, #280, Parsippany, NJ 07054 | [achatterjee@pumps.org](mailto:achatterjee@pumps.org), [www.pumps.org](http://www.pumps.org)

#### Revision

BSR/HI 9.6.3-202x, Rotodynamic Pumps - Guideline for Operating Regions (revision of ANSI/HI 9.6.3-2017)

This standard defines the preferred operating region (POR) for rotodynamic pumps based on pump-specific speed. Additionally, factors that are considered in the setting of the allowable operating region (AOR) are detailed, and the effects of operating away from the pumps best efficiency point (BEP) are discussed. This standard applies to all rotodynamic pump and markets. It aids the specifying engineer and pump system designer to design a design the system and select pumps that will operate efficiently and reliably. The pump end user should reference this standard to be aware of the impact of operating the pump away from its BEP.

Single copy price: \$50.00

Obtain an electronic copy from: [achatterjee@pumps.org](mailto:achatterjee@pumps.org)

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

### NFPA (National Fire Protection Association)

One Batterymarch Park, Quincy, MA 02169 | [dbellis@nfpa.org](mailto:dbellis@nfpa.org), [www.nfpa.org](http://www.nfpa.org)

#### Revision

BSR/NFPA 660-202x, Standard for Combustible Dusts (revision, redesignation and consolidation of ANSI/NFPA 61, ANSI/NFPA 484, ANSI/NFPA 652, ANSI/NFPA 654, ANSI/NFPA 655 and ANSI/NFPA 664)

1.1 Scope. This standard addresses the fire, flash fire, and explosion hazards of combustible dusts and particulate solids. This standard also addresses all metals and alloys that are in a form that is capable of combustion or explosion, as well as other hazards, in accordance with the scope of Chapter 12. This standard also addresses the size reduction of sulfur and the handling of sulfur in any form, as well as other hazards entailed in processing sulfur, in accordance with the scope of Chapter 14. This standard also addresses industrial, commercial, or institutional facilities for .....

Obtain an electronic copy from: [www.nfpa.org/660Next](http://www.nfpa.org/660Next)

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

### NSF (NSF International)

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

#### Revision

BSR/NSF 3-202x (i21r3), Commercial Warewashing Equipment (revision of ANSI/NSF 3-2021)

This standard applies to commercial dishwashing; glasswashing; and pot, pan, and utensil washing machines that wash their contents by applying sprays of detergent solutions, with or without blasting media granules, and sanitize their contents by applying sprays of hot water or chemical sanitizing solutions.

Single copy price: Free

Obtain an electronic copy from: [https://standards.nsf.org/higherlogic/ws/public/document?document\\_id=71517&wg\\_id=6b8a9ee1-1bb0-4af7-9a40-018976f8abc7](https://standards.nsf.org/higherlogic/ws/public/document?document_id=71517&wg_id=6b8a9ee1-1bb0-4af7-9a40-018976f8abc7)

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



## Comment Deadline: December 25, 2023

### ULSE (UL Standards & Engagement)

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

#### Reaffirmation

BSR/UL 2572-2018 (R202x), Standard for Mass Notification Systems (reaffirmation of ANSI/UL 2572-2018) Reaffirmation and continuance of the Second Edition of the Standard for Mass Notification Systems, UL 2572, 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>

## Comment Deadline: January 9, 2024

### ASME (American Society of Mechanical Engineers)

Two Park Avenue, M/S 6-2B, New York, NY 10016-5990 | [ansibox@asme.org](mailto:ansibox@asme.org), [www.asme.org](http://www.asme.org)

#### Reaffirmation

BSR/ASME PTC 55-2013 (R202x), Gas Turbine Aircraft Engines (reaffirmation of ANSI/ASME PTC 55-2013 (R2018))

This Code covers the performance testing of gas turbine aircraft engines at steady-state conditions.

Single copy price: \$100.00

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

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Daniel Papert <[papertd@asme.org](mailto:papertd@asme.org)>

### CSA (CSA America Standards Inc.)

8501 East Pleasant Valley Road, Cleveland, OH 44131-5575 | [ansi.contact@csagroup.org](mailto:ansi.contact@csagroup.org), [www.csagroup.org](http://www.csagroup.org)

#### New Standard

BSR/CSA B107-202x, Enclosed Hydrogen Equipment - Safety (new standard)

This standard applies to assemblies of hydrogen equipment integrated into an enclosure such as a freight container or custom enclosure, enclosed hydrogen equipment. This standard applies to enclosures with a minimum of 7.4 m<sup>2</sup> and up to 41.8 m<sup>2</sup> floor area. The floor area is considered to be calculated from the outer most walls of the EHE, regardless if the EHE contains internal compartments. This standard applies to enclosed hydrogen equipment intended for stationary outdoor installation. This standard addresses safety requirements related to hydrogen and its use inside an enclosure and does not apply to: CSA/ANSI FC 1\*CSA C22.2 No. 62282 -3-100; ANSI/CSA America FC 3; CSA/ANSI FC 6 or CAN/CSA C22.2 No. 62282-2 with enclosures; CSA/ANSI B22734; CSA/ANSI HGV 4.1; and CSA/ANSI HGV 5.2 or CSA IR 3-18. This standard also does not apply to: gas cabinets installed in accordance with and comply with the requirements of NFPA 2 Section 6.19; exhausted enclosures installed in accordance with and comply with the requirements of NFPA 2 Section 6.20; unenclosed hydrogen equipment installed in a room; or hydrogen equipment in shipping containers or custom enclosures for the purpose of transportation or temporary storage.

Single copy price: Free

Order from: [ansi.contact@csagroup.org](mailto:ansi.contact@csagroup.org)

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

## Comment Deadline: January 9, 2024

### ULSE (UL Standards & Engagement)

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

#### Reaffirmation

BSR/UL 1638-2023 (R202x), Standard for Visible Signaling Devices for Fire Alarm and Signaling Systems, Including Accessories (reaffirmation of ANSI/UL 1638-2023)

1.1 This Standard applies to visual signaling devices intended for indoor &/or outdoor installation: (a) In Canada only: in accordance with CSA C22.1, Canadian Electrical Code, Part I, Safety Standard for Electrical Installations; and with ULC-S524, Standard for Installation of Fire Alarm Systems. (b) In the United States only: in accordance with the National Electrical Code, NFPA 70, & National Fire Alarm and Signaling Code, NFPA 72. 1.2 These requirements cover visible signal devices for use in ordinary (non-hazardous) indoor locations and outdoor locations. This includes: (a) Flashing visual devices used for fire alarm or emergency signaling in both public mode & private mode as defined in the glossary; (b) Emergency warning used to notify occupants that an emergency exists; and (c) Informative-type visual signaling devices connected to or controlled by fire alarm or other emergency signaling system equipment, or both. 1.3 This Standard also applies to protective covers and accessories used with visible signals. 1.4 This Standard does not apply to visual signaling devices not intended for emergency signaling applications and intended for operation on Class 2 signal circuits as defined in: (a) In Canada only: CSA C22.1, Canadian Electrical Code, Part I, Safety Standard for Electrical Installations.

Single copy price: Free

Obtain an electronic copy from: Follow the instructions in the following website to create an account for access to CSDS: <https://csds.ul.com>

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)

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

#### Revision

BSR/UL 2127-202x, Standard for Safety for Inert Gas Clean Agent Extinguishing System Units (revision of ANSI/UL 2127-2021)

These requirements cover the construction and operation of inert gas clean agent fire extinguishing system units intended to be installed, inspected, tested, and maintained in accordance with the Standard for Clean Agent Fire Extinguishing Systems, NFPA 2001, and with the National Fire Code of Canada. Revisions include changes to the Typographical Error in 30.2 and Pneumatic Operation Test.

Single copy price: Free

Order from: <https://csds.ul.com/ProposalAvailable>

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

## 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:

### **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)

BSR/ASTM WK77158-202x, New Practice for Supporting North American Waterways Identification and Synchronization (new standard)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Laura Klineburger <[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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## **AGA (ASC Z223) (American Gas Association)**

400 North Capitol Street, NW, Suite 450, Washington, DC 20001 | [lescobar@aga.org](mailto:lescobar@aga.org), [www.aga.org](http://www.aga.org)

ANSI Z223.1/NFPA 54-2023, National Fuel Gas Code (revision of ANSI Z223.1/NFPA 54-2021) Final Action Date: 11/1/2023 | *Revision*

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

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

ANSI/ASHRAE Addendum 55j-2020, Thermal Environmental Conditions for Human Occupancy (addenda to ANSI/ASHRAE Standard 55-2020) Final Action Date: 10/31/2023 | *Addenda*

ANSI/ASHRAE Addendum 55k-2020, Thermal Environmental Conditions for Human Occupancy (addenda to ANSI/ASHRAE Standard 55-2020) Final Action Date: 10/31/2023 | *Addenda*

ANSI/ASHRAE Addendum 62.1a-2022, Ventilation and Acceptable Indoor Air Quality (addenda to ANSI/ASHRAE Standard 62.1-2022) Final Action Date: 10/31/2023 | *Addenda*

ANSI/ASHRAE Addendum 62.1ab-2022, Ventilation and Acceptable Indoor Air Quality (addenda to ANSI/ASHRAE Standard 62.1-2022) Final Action Date: 10/31/2023 | *Addenda*

ANSI/ASHRAE Addendum 62.1b-2022, Ventilation and Acceptable Indoor Air Quality (addenda to ANSI/ASHRAE Standard 62.1-2022) Final Action Date: 10/31/2023 | *Addenda*

ANSI/ASHRAE Addendum 62.1c-2022, Ventilation and Acceptable Indoor Air Quality (addenda to ANSI/ASHRAE Standard 62.1-2022) Final Action Date: 10/31/2023 | *Addenda*

ANSI/ASHRAE Addendum a to Standard 72-2022, Method of Testing Open and Closed Commercial Refrigerators and Freezers (addenda to ANSI/ASHRAE Standard 72-2022) Final Action Date: 10/31/2023 | *Addenda*

ANSI/ASHRAE/ICC/IES/USGBC Addendum bh to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2020, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2020) Final Action Date: 10/31/2023 | *Addenda*

ANSI/ASHRAE/IES Addendum b to ANSI/ASHRAE/IES Standard 202-2018, Commissioning Process for New Buildings and New Systems (addenda to ANSI/ASHRAE/IES Standard 202-2018) Final Action Date: 10/31/2023 | *Addenda*

ANSI/ASHRAE Standard 224-2023, Standard for the Application of Building Information Modeling (new standard) Final Action Date: 10/31/2023 | *New Standard*

ANSI/ASHRAE Standard 41.8-2023, Standard Methods for Liquid Flow Measurement (revision of ANSI/ASHRAE Standard 41.8-2016) Final Action Date: 10/31/2023 | *Revision*

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

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

ANSI/ASSP A10.18-2023, Safety Requirements for Temporary Roof and Floor Holes, Wall Openings, Stairways, and Other Unprotected Edges in Construction and Demolition Operations (new standard) Final Action Date: 11/3/2023 | *New Standard*

**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 D6792-2023c, Practice for Quality Management Systems in Petroleum Products, Liquid Fuels, and Lubricants Testing Laboratories (revision of ANSI/ASTM D6792-2022A) Final Action Date: 10/24/2023 | *Revision*

ANSI/ASTM E1725-2023, Test Methods for Fire Tests of Fire-Resistive Barrier Systems for Electrical System Components (revision of ANSI/ASTM E1725-2019) Final Action Date: 10/24/2023 | *Revision*

ANSI/ASTM E2226-2023, Practice for Application of Hose Stream (revision of ANSI/ASTM E2226-2015 (R2019)) Final Action Date: 10/24/2023 | *Revision*

ANSI/ASTM E2563-2023, Practice for Enumeration of Non-Tuberculosis Mycobacteria in Aqueous Metalworking Fluids by Plate Count Method (revision of ANSI/ASTM E2563-2018) Final Action Date: 10/24/2023 | *Revision*

ANSI/ASTM E2564-2023, Practice for Enumeration of Mycobacteria in Metalworking Fluids by Direct Microscopic Counting (DMC) Method (revision of ANSI/ASTM E2564-2018) Final Action Date: 10/24/2023 | *Revision*

ANSI/ASTM E2749-2023, Practice for Measuring the Uniformity of Furnace Exposure on Test Specimens (revision of ANSI/ASTM E2749-2010 (R2019)) Final Action Date: 10/24/2023 | *Revision*

ANSI/ASTM E3294-2023, Guide for Forensic Analysis of Geological Materials by Powder X-Ray Diffraction (revision of ANSI/ASTM E3294-2022) Final Action Date: 11/1/2023 | *Revision*

**AWWA (American Water Works Association)**

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

ANSI/AWWA C507-2023, Ball Valves, 4 In. Through 60 In. (100 mm Through 1,500 mm) (revision of ANSI/AWWA C507-2018) Final Action Date: 11/2/2023 | *Revision*

ANSI/AWWA C600-2023, Installation of Ductile-Iron Mains and Their Appurtenances (revision of ANSI/AWWA C600-2017) Final Action Date: 11/2/2023 | *Revision*

**CTA (Consumer Technology Association)**

1919 South Eads Street, Arlington, VA 22202 | [cakers@cta.tech](mailto:cakers@cta.tech), [www.cta.tech](http://www.cta.tech)

ANSI/CTA 2116-2023, CTA Artificial Intelligence in Health Care-Practices for Identifying and Managing Bias (new standard) Final Action Date: 11/1/2023 | *New Standard*

**ICC (International Code Council)**

4051 Flossmoor Road, Country Club Hills, IL 60478 | [kaittaniemi@iccsafe.org](mailto:kaittaniemi@iccsafe.org), [www.iccsafe.org](http://www.iccsafe.org)

ANSI/ICC 1210-2023, Standard for Mechanical, Electrical, Plumbing Systems, Energy Efficiency and Water Conservation in Off-site Construction (new standard) Final Action Date: 11/3/2023 | *New Standard*

**IES (Illuminating Engineering Society)**

120 Wall Street, Floor 17, New York, NY 10005-4001 | [pmcgillicuddy@ies.org](mailto:pmcgillicuddy@ies.org), [www.ies.org](http://www.ies.org)

ANSI/IES RP-46-2023, Recommended Practice: Supporting the Physiological and Behavioral Effects of Lighting in Interior Daytime Environments (new standard) Final Action Date: 11/1/2023 | *New Standard*

**NEMA (ASC C12) (National Electrical Manufacturers Association)**

1300 North 17th Street, Suite 900, Rosslyn, VA 22209 | [Pau\\_orr@nema.org](mailto:Pau_orr@nema.org), [www.nema.org](http://www.nema.org)

ANSI C12.18-2006 (R2023), Protocol Specification for ANSI Type 2 Optical Port (reaffirmation of ANSI C12.18-2006 (R2015)) Final Action Date: 10/31/2023 | *Reaffirmation*

ANSI C12.21-2006 (R2023), Protocol Specification for Telephone Modem Communication (reaffirmation of ANSI C12.21-2006 (R2015)) Final Action Date: 11/2/2023 | *Reaffirmation*

**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)

ANSI/ICEA T-32-645-2017 (R2023), Test Method for Establishing Volume Resistivity Compatibility of Water Blocking Components with Extruded Semiconducting Shield Materials (reaffirmation of ANSI/ICEA T-32-645-2017) Final Action Date: 10/31/2023 | *Reaffirmation*

**NEMA (ASC C81) (National Electrical Manufacturers Association)**

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

ANSI C81.61-2023, Electric Lamp Bases - Specifications for Bases (Caps) for Electric Lamps (revision of ANSI C81.61-2019) Final Action Date: 10/31/2023 | *Revision*

**OPEI (Outdoor Power Equipment Institute)**

1605 King Street, Alexandria, VA 22314 | [dmustico@opei.org](mailto:dmustico@opei.org), [www.opei.org](http://www.opei.org)

ANSI/OPEI 5395-1-2023, Garden equipment - Safety requirements for combustion-engine-powered lawnmowers - Part 1: Terminology and common tests (national adoption with modifications of ISO 5395-1:2013; ISO 5395-1:2013/Amd 1:2017) Final Action Date: 11/6/2023 | *National Adoption*

ANSI/OPEI 5395-2-2023, Garden equipment - Safety requirements for combustion-engine-powered lawnmowers - Part 2: Pedestrian-controlled lawnmowers (national adoption with modifications of ISO 5395-2:2013; ISO 5395-2:2013/Amd 1:2016; ISO 5395-2:2013/Amd 2:2017) Final Action Date: 11/6/2023 | *National Adoption*

ANSI/OPEI 5395-3-2023, Garden equipment - Safety requirements for combustion-engine-powered lawnmowers - Part 3: Ride-on lawnmowers (national adoption with modifications of ISO 5395-3:2013; ISO 5395-3:2013/Amd 1:2017; ISO 5395-3:2013/Amd 2:2017) Final Action Date: 11/6/2023 | *National Adoption*

**TAPPI (Technical Association of the Pulp and Paper Industry)**

15 Technology Parkway, Suite 115, Peachtree Corners, GA 30092 | [standards@tappi.org](mailto:standards@tappi.org), [www.tappi.org](http://www.tappi.org)

ANSI/TAPPI T 811 om-2023, Edgewise compressive strength of corrugated fiberboard (short column test) (new standard) Final Action Date: 10/31/2023 | *New Standard*

ANSI/TAPPI T 230 om-2013 (R2023), Viscosity of pulp (capillary viscometer method) (reaffirmation of ANSI/TAPPI T 230 om-2013 (R2019)) Final Action Date: 10/31/2023 | *Reaffirmation*

ANSI/TAPPI T 282 om-2013 (R2023), Hexeneuronic acid content of chemical pulp (reaffirmation of ANSI/TAPPI T 282 om-2013 (R2019)) Final Action Date: 10/31/2023 | *Reaffirmation*

ANSI/TAPPI T 410 om-2013 (R2023), Grammage of paper and paperboard (weight per unit area) (reaffirmation of ANSI/TAPPI T 410 om-2013 (R2019)) Final Action Date: 10/31/2023 | *Reaffirmation*

ANSI/TAPPI T 496 sp-2013 (R2023), Specimen preparation for cross directional internal tearing resistance for paper, paperboard and related materials (reaffirmation of ANSI/TAPPI T 496 sp-2013 (R2019)) Final Action Date: 10/31/2023 | *Reaffirmation*

**TAPPI (Technical Association of the Pulp and Paper Industry)**

15 Technology Parkway, Suite 115, Peachtree Corners, GA 30092 | [standards@tappi.org](mailto:standards@tappi.org), [www.tappi.org](http://www.tappi.org)

ANSI/TAPPI T 1501 sg-2018 (R2023), Training standard for paper machine tender (reaffirmation of ANSI/TAPPI T 1501 sg-2018) Final Action Date: 10/31/2023 | *Reaffirmation*

ANSI/TAPPI T 452 om-2023, Brightness of pulp, paper, and paperboard (directional reflectance at 457 nm) (revision of ANSI/TAPPI T 452 om-2018) Final Action Date: 10/31/2023 | *Revision*

ANSI/TAPPI T 545 om-20232x, Cross-machine grammage profile measurement (gravimetric method) (revision of ANSI/TAPPI T 545 om-2020) Final Action Date: 10/31/2023 | *Revision*

ANSI/TAPPI T 692 om-20232x, Determination of suspended solids in kraft green and white liquors (revision of ANSI/TAPPI T 692 om-2013) Final Action Date: 10/31/2023 | *Revision*

**ULSE (UL Standards & Engagement)**

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

ANSI/UL 61010-2-011-2023, Standard for Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 2-011: Particular Requirements for Refrigerating Equipment (national adoption of IEC 61010-2-011 with modifications and revision of ANSI/UL 61010-2-011-2021) Final Action Date: 11/2/2023 | *National Adoption*

ANSI/UL 61010-2-012-2023, Standard for Safety Requirements for Electrical Equipment for Measurement, Control and Laboratory Use - Part 2-012: Particular Requirements for Climatic and Environmental Testing and Other Temperature Conditioning Equipment (national adoption of IEC 61010-2-012 with modifications and revision of ANSI/UL 61010-2-012-2022) Final Action Date: 11/2/2023 | *National Adoption*

ANSI/UL 296A-2013 (R2023), Standard for Safety for Waste Oil-Burning Air-Heating Appliances (reaffirmation of ANSI/UL 296A-2013 (R2018)) Final Action Date: 11/2/2023 | *Reaffirmation*

ANSI/UL 346-2005 (R2023), Waterflow Indicators for Fire Protective Signaling Systems (reaffirmation of ANSI/UL 346-2005 (R2019)) Final Action Date: 11/1/2023 | *Reaffirmation*

ANSI/UL 542-2005 (R2023), Fluorescent Lamp Starters (reaffirmation of ANSI/UL 542-2005 (R2018)) Final Action Date: 10/31/2023 | *Reaffirmation*

ANSI/UL 60745-2-8-2009 (R2023), Hand-Held Motor-Operated Electric Tools - Safety - Part 2-8: Particular Requirements for Shears and Nibblers (reaffirmation of ANSI/UL 60745-2-8-2009) Final Action Date: 11/1/2023 | *Reaffirmation*

ANSI/UL 260-2023, Standard for Dry Pipe and Deluge Valves for Fire-Protection Service (revision of ANSI/UL 260-2018) Final Action Date: 10/31/2023 | *Revision*

ANSI/UL 1247-2023, Standard for Diesel Engines for Driving Stationary Fire Pumps (revision of ANSI/UL 1247-2020) Final Action Date: 11/2/2023 | *Revision*

ANSI/UL 3100-2023, Standard for Safety for Automated Mobile Platforms (AMPs) (revision of ANSI/UL 3100-2021) Final Action Date: 10/31/2023 | *Revision*

# 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

### AGSC - Auto Glass Safety Council

#### ANSI/AGSC/NWRD/ROLAGS 002-2022

ANSI/AGSC/NWRD/ROLAGS 002-2022, Auto Glass Safety Council/National Windshield Repair Division/Repair of Laminated Automotive Glass Standard

Interest Categories: Request additional participation from Auto Glass Manufacturer, Insurance Company/Claims Administrator

For inquiries, please contact: Kathy Bimber, Auto Glass Safety Council (AGSC), PO Box 569, Garrisonville, VA 22463, (540) 720-7484, [kbimber@agsc.org](mailto:kbimber@agsc.org)

## ANSI Accredited Standards Developer

### CSA - CSA America Standards Inc.

#### Next edition of CSA B401.1 – Natural gas maintenance facilities code

CSA Group is seeking volunteers to develop the third edition of CSA B401.1 – *Natural gas vehicle (NGV) maintenance facilities code*. This project will ensure that the code is technically sound and that it will continue. The scope of this project will be to develop a new edition, which will consider addressing new technology used in natural gas vehicle (NGV) maintenance facilities.

#### Scope of CSA B401.1:

This Code applies to the portions of a motor vehicle maintenance facility where natural-gas-fuelled vehicles are maintained, repaired, or stored during maintenance or repair, including areas and systems ancillary thereto. This Code also contains information on private parking structures where natural gas fuelled vehicles are parked or stored, including areas and systems ancillary thereto. For purposes of this Code, private parking structures have the same requirements as minor repair areas. The purpose of this Code is to provide reasonable means to manage the risks associated with the maintenance and repair of vehicles fuelled with compressed natural gas (CNG) or liquefied natural gas (LNG) inside motor vehicle maintenance facilities. This Code does not apply to indoor or outdoor refuelling operations; open parking structures; public parking structures of any construction; or other fuels used for vehicles.

#### Why get involved?

As a member of the TSC, you will be able to: + Review draft documents, comment on those documents, and have a chance to participate in meetings that drive the future of technology + Network and build relationships with peers and other experts + Influence standards that impact the way you do business + Contribute to the standards development process and public safety

#### What is expected?

+ A strong interest in and knowledge of the subject matter + Active participation and a willingness to work electronically and/or in-person (when necessary) for regular meetings over approximately 18 months + Ability to work in a multi-stakeholder environment and follow the principles of consensus.+ Review/development of draft documents + Complete project work in a timely manner

**If you are interested in participating as a Member of the committee for this project, please submit a brief bio along with a statement outlining your interest and your ability to contribute to the project to Julie Cairns ([julie.cairns@csagroup.org](mailto:julie.cairns@csagroup.org)) by December 15, 2023.** If you have a colleague who may be interested in this project, feel free to forward this announcement. We will be reviewing all applications over the coming weeks to confirm the subcommittee membership. We recognize that active participation on a subcommittee can be a significant commitment and we thank you for the taking the time to apply. As participation is limited to a manageable committee size, we encourage interested stakeholders for submit their bio and statement as soon as possible.

**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 H-1-202x, Field of Vision from the Helm Position (revision of ANSI/ABYC H-1-2019)

Interest Categories: Soliciting for categories: Specialist Service

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

2590 Niles Road, Saint Joseph, MI 49085 | [stell@asabe.org](mailto:stell@asabe.org), <https://www.asabe.org/>

BSR/ASABE AD8759-1:2018 JUL2019 (R202x), Agricultural tractors - Front-mounted equipment - Part 1: Power take-off: Safety requirements and clearance zone around PTO (reaffirm a national adoption ANSI/ASABE AD8759-1-2019)

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

2590 Niles Road, Saint Joseph, MI 49085 | [stell@asabe.org](mailto:stell@asabe.org), <https://www.asabe.org/>

BSR/ASABE AD8759-3 AUG2019 (R202x), Agricultural tractors - Front-mounted equipment - Part 3: Power take-off: General specifications and location (reaffirm a national adoption ANSI/ASABE AD8759-3-2019)

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

2590 Niles Road, Saint Joseph, MI 49085 | [stell@asabe.org](mailto:stell@asabe.org), <https://www.asabe.org/>

BSR/ASABE AD8759-4 AUG2019 (R202x), Agricultural tractors - Front-mounted equipment - Part 4: Three-point linkage (reaffirm a national adoption ANSI/ASABE AD8759-4-2019)

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

2590 Niles Road, Saint Joseph, MI 49085 | [stell@asabe.org](mailto:stell@asabe.org), <https://www.asabe.org/>

BSR/ASABE S619.1-AUG2019 (R202x), Safety for Tractor-Mounted, Boom-Type Post Hole Diggers (reaffirmation of ANSI/ASABE S619.1-AUG2019)

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

2590 Niles Road, Saint Joseph, MI 49085 | [stell@asabe.org](mailto:stell@asabe.org), <https://www.asabe.org/>

BSR/ASABE S638-MAY19 (R202x), Pintle Hitch and Ring for Over the Road Towed Implements (reaffirmation of ANSI/ASABE S638-MAY19)

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

2590 Niles Road, Saint Joseph, MI 49085 | [stell@asabe.org](mailto:stell@asabe.org), <https://www.asabe.org/>

BSR/ASABE S639.2-FEB2019 (R202x), Safety Standard for Large Row-Crop Flail Mowers (reaffirmation of ANSI/ASABE S639.2-FEB2019)

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

2590 Niles Road, Saint Joseph, MI 49085 | [stell@asabe.org](mailto:stell@asabe.org), <https://www.asabe.org/>

BSR/ASAE S279.18-OCT2019 (R202x), Lighting and Marking of Agricultural Equipment on Highways (reaffirmation of ANSI/ASAE S279.18-OCT2019)

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

2590 Niles Road, Saint Joseph, MI 49085 | [stell@asabe.org](mailto:stell@asabe.org), <https://www.asabe.org/>

BSR/ASAE S375.2-1996 (R202x), Capacity Ratings and Unloading Dimensions for Cotton Harvester Baskets (reaffirmation of ANSI/ASAE S375.2-1996 (R2018))

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

2590 Niles Road, Saint Joseph, MI 49085 | [stell@asabe.org](mailto:stell@asabe.org), <https://www.asabe.org/>

BSR/ASAE S296.5 DEC2003 (R202x), General Terminology for Traction of Agricultural Traction and Transport Devices and Vehicles (reaffirmation of ANSI/ASAE S296.5 DEC2003 (R2018))

**ATIS (Alliance for Telecommunications Industry Solutions)**

1200 G Street NW, Suite 500, Washington, DC 20005 | [akarditzas@atis.org](mailto:akarditzas@atis.org), [www.atis.org](http://www.atis.org)

BSR/ATIS 1000055-202x, Emergency Telecommunications Service (ETS): Core Network Security Requirements (revision of ANSI/ATIS 1000055-2013 (R2018))

**ATIS (Alliance for Telecommunications Industry Solutions)**

1200 G Street NW, Suite 500, Washington, DC 20005 | [akarditzas@atis.org](mailto:akarditzas@atis.org), [www.atis.org](http://www.atis.org)

BSR/ATIS 1000059-202x, ETS Wireline Access Requirements (revision of ANSI/ATIS 1000059-2017 (R2022))

**ATIS (Alliance for Telecommunications Industry Solutions)**

1200 G Street NW, Suite 500, Washington, DC 20005 | [akarditzas@atis.org](mailto:akarditzas@atis.org), [www.atis.org](http://www.atis.org)

BSR/ATIS 1000065-202x, ETS EPC Network Element Requirements (revision of ANSI/ATIS 1000065-2015 (R2020))

**AWS (American Welding Society)**

8669 NW 36th Street, Suite 130, Miami, FL 33166-6672 | [kbulger@aws.org](mailto:kbulger@aws.org), [www.aws.org](http://www.aws.org)

BSR/AWS A5.14/A5.14M-202x, Specification for Nickel and Nickel-Alloy Bare Welding Electrodes and Rods (revision of ANSI/AWS A5.14/A5.14M-2023)

**AWS (American Welding Society)**

8669 NW 36th Street, Suite 130, Miami, FL 33166-6672 | [kbulger@aws.org](mailto:kbulger@aws.org), [www.aws.org](http://www.aws.org)

BSR/AWS A5.18/A5.18M-202x, Specification for Carbon Steel Electrodes and Rods for Gas Shielded Arc Welding (revision of ANSI/AWS A5.18/A5.18M-2023)

**AWS (American Welding Society)**

8669 NW 36th Street, Suite 130, Miami, FL 33166-6672 | [jrosario@aws.org](mailto:jrosario@aws.org), [www.aws.org](http://www.aws.org)

BSR/AWS C4.5/C4.5M-202x, Uniform Designation System for Oxyfuel Nozzles (new standard)

**BHMA (Builders Hardware Manufacturers Association)**

355 Lexington Avenue, 15th Floor, New York, NY 10017-6603 | [Kbishop@Kellencompany.com](mailto:Kbishop@Kellencompany.com), [www.buildershardware.com](http://www.buildershardware.com)

BSR/BHMA A156.3-202x, Standard for Exit Devices (revision of ANSI/BHMA A156.3-2020)

**BHMA (Builders Hardware Manufacturers Association)**

355 Lexington Avenue, 15th Floor, New York, NY 10017-6603 | [Kbishop@Kellencompany.com](mailto:Kbishop@Kellencompany.com), [www.buildershardware.com](http://www.buildershardware.com)

BSR/BHMA A156.35-202x, Standard for Power Supplies for Electronic Access Control (revision of ANSI/BHMA A156.35-2020)

**CTA (Consumer Technology Association)**

1919 South Eads Street, Arlington, VA 22202 | [cakers@cta.tech](mailto:cakers@cta.tech), [www.cta.tech](http://www.cta.tech)

BSR/CTA 2128-202x, Definitions and Characteristics of Motion as a Vital Sign (new standard)

**HI (Hydraulic Institute)**

300 Interpace Parkway, Building A, 3rd Floor, #280, Parsippany, NJ 07054 | [achatterjee@pumps.org](mailto:achatterjee@pumps.org), [www.pumps.org](http://www.pumps.org)

BSR/HI 9.6.3-202x, Rotodynamic Pumps - Guideline for Operating Regions (revision of ANSI/HI 9.6.3-2017)

**NSF (NSF International)**

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

BSR/NSF 3-202x (i21r3), Commercial Warewashing Equipment (revision of ANSI/NSF 3-2021)

**NSF (NSF International)**

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

BSR/NSF 401-202x (i36r1), Drinking Water Treatment Units - Emerging Compounds/Incidental Contaminants (revision of ANSI/NSF 401-2022)

**NSF (NSF International)**

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

BSR/NSF/CAN 60-202x (i96r1), Drinking Water Treatment Chemicals - Health Effects (revision of ANSI/NSF/CAN 60-2021)

**SERI (Sustainable Electronics Recycling International)**

P.O. Box 721, Hastings, MN 55033 | [Mike@SustainableElectronics.org](mailto:Mike@SustainableElectronics.org), [www.sustainableelectronics.org](http://www.sustainableelectronics.org)

BSR/SERI ESG v. 1.0-202x, SERI ESG Reporting Standard for Electronics (new standard)

# American National Standards (ANS) Announcements

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Independent Substantive Changes Announced 11/3/2023

## Corrections

### **ACMA - American Composites Manufacturers Association**

#### **ANSI/ACMA/UCSC-FRP Composite Utility Poles-1-2018**

Please note that ANSI/ACMA/UCSC-FRP Composite Utility Poles-1-2018 is and remains an approved American National Standard. Limited substantive changes only were announced for public comment in the 11/3/23 issue of Standards Action. For information or comments about the limited substantive changes, please contact ACMA (Lphillips@acmanet.org). Procedural questions may be sent to psa@ansi.org.

# 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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## Public Review of Application for ASD Accreditation

### PJRFSI - Perry Johnson Registrars Food Safety Inc.

**Comment Deadline: 12/11/2023**

The following Public Review of Application for ASD Accreditation Notice will be published in the November 10, 2023 ANSI Standards Action:

Accreditation Announcements (Standards Developers) Public Review of Application for ASD Accreditation PJRFSI

Perry Johnson Registrars Food Safety Inc. (PJRFSI) has submitted an application for accreditation as an ANSI Accredited Standards Developer (ASD) and proposed operating procedures for documenting consensus on PJRFSI-sponsored American National Standards. PJRFSI's proposed scope of standards activity is as follows:

Cannabis and hemp safety standards

As the proposed procedures are available electronically, the public review period is 30 days. To view or download a copy of PJRFSI's proposed operating procedures from ANSI Online during the public review period, [click here](#).

Please direct inquiries by December 11, 2023 to: Lauren Maloney, Perry Johnson Registrars Food Safety Inc. (PJRFSI) | 755 W. Big Beaver Road, Suite 1390, Troy, MI 48084 | (248) 519-2523 4785, [lmaloney@pjrfsi.com](mailto:lmaloney@pjrfsi.com) (please copy [jthomps@ansi.org](mailto:jthomps@ansi.org))

## Public Review of Revised ASD Scope

### ACMA - American Composites Manufacturers Association

**Comment on Scope Deadline: December 11, 2023**

The **ACMA - American Composites Manufacturers Association**, an ANSI Member and Accredited Standards Developer, has submitted the following updated scope of ASD accreditation on file with ANSI:

The American Composites Manufacturers Association (ACMA) develops consensus standards and specifications, technical data sheets, industry best practices, and other guidance to support the growth of the Fiber-Reinforced Polymer (FRP) Composites Industry including FRP composites, composites made with fillers or natural materials, and their recyclates. ACMA's activities are inclusive of various related FRP composite products, materials, and processes in conjunction with many diverse end-use market segments. In addition, ACMA's activities are monitored and proposed at the request of interested parties and formulated by committees depending upon the need of the composites industry, resources, and collaboration efforts, to meet national and international requirements.

Please forward any comments on the revised scope by December 11, 2023 to: La'kia Phillips, American Composites Manufacturers Association (ACMA) | 2000 N. 15th Street, Suite 250, Arlington, VA 22201 | (703) 682-1671, [Lphillips@acmanet.org](mailto:Lphillips@acmanet.org) (please copy [jthomps@ansi.org](mailto:jthomps@ansi.org)).

# Meeting Notices (Standards Developers)

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## **ANSI Accredited Standards Developer**

### **AGSC - Auto Glass Safety Council**

**Meeting Time: Thursday, December 7, 2023 11:00 a.m. – 1:00 p.m. via Zoom**

AGSC/NWRD ROLAGS 2 (Repair of Laminated Automotive Glass Standard 2) Standards Committee  
Thursday, December 7, 2023 11:00 a.m. – 1:00 p.m. via Zoom

For inquiries, please contact: Kathy Bimber, Auto Glass Safety Council (AGSC), PO Box 569, Garrisonville, VA 22463, (540) 720-7484, [kbimber@agsc.org](mailto:kbimber@agsc.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

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).

## ABYC

American Boat and Yacht Council  
613 Third Street, Suite 10  
Annapolis, MD 21403  
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## AGA (ASC Z223)

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## ASABE

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## ASHRAE

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## ATIS

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## AVIXA

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## BICSI

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## CSA

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## CTA

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## HI

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**ICC**

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**IES**

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**NEMA (ASC C12)**

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**NEMA (ASC C78)**

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**NEMA (ASC C8)**

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**NEMA (ASC C81)**

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**NFPA**

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**OPEI**

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**SERI**

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**TAPPI**

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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

### Aircraft and space vehicles (TC 20)

ISO/DIS 8642, Aerospace - Self-locking nuts with maximum operating temperature greater than 425 degrees C - Test methods - 1/20/2024, \$82.00

### Cleaning equipment for air and other gases (TC 142)

ISO/DIS 16313-1, Laboratory test of dust collection systems utilizing porous filter media online cleaned using pulses of compressed gas - Part 1: Systems utilizing integrated fans - 1/21/2024, \$88.00

### Clinical laboratory testing and in vitro diagnostic test systems (TC 212)

ISO/DIS 5649, Medical laboratories - Concepts and specifications for the design, development, implementation, and use of laboratory-developed tests - 1/18/2024, \$102.00

ISO/DIS 15193, In vitro diagnostic medical devices - Requirements for reference measurement procedures - 1/19/2024, \$93.00

ISO/DIS 15194, In vitro diagnostic medical devices - Requirements for certified reference materials and the content of supporting documentation - 1/19/2024, \$82.00

### Cosmetics (TC 217)

ISO/DIS 23675, Cosmetics - Sun protection test methods - In Vitro determination of Sun Protection Factor (SPF) - 1/18/2024, \$112.00

### Dentistry (TC 106)

ISO/DIS 17730, Dentistry - Fluoride varnishes - 1/21/2024, \$58.00

### Essential oils (TC 54)

ISO/DIS 9842, Essential Oil of rose (*Rosa x damascena* Miller) - 1/19/2024, \$53.00

### Gas cylinders (TC 58)

ISO/DIS 11118, Gas cylinders - Non-refillable metallic gas cylinders - Specification and test methods - 1/20/2024, \$102.00

### Industrial automation systems and integration (TC 184)

ISO/DIS 22400-2, Automation systems and integration - Key performance indicators (KPIs) for manufacturing operations management - Part 2: Definitions and descriptions - 1/20/2024, \$134.00

### Materials for the Production of Primary Aluminium (TC 226)

ISO/DIS 11713, Carbonaceous materials used in the production of aluminium - Cathode blocks and baked anodes - Determination of the specific electrical resistivity at ambient temperature - 1/18/2024, \$40.00

### Mechanical vibration and shock (TC 108)

ISO 20816-2:2017/DAMd 1, - Amendment 1: Mechanical vibration - Measurement and evaluation of machine vibration - Part 2: Land-based gas turbines, steam turbines and generators in excess of 40 MW, with fluid-film bearings and rated speeds of 1 500 r/min, 1 800 r/min, 3 000 r/min and 3 600 r/min - Amendment 1 - 1/19/2024, \$29.00

### Petroleum products and lubricants (TC 28)

ISO/DIS 4266-3, Petroleum and liquid petroleum products - Measurement of level and temperature in storage tanks by automatic methods - Part 3: Measurement of level in pressurized storage tanks (non-refrigerated) - 1/20/2024, \$71.00

**Plastics (TC 61)**

ISO/DIS 4764, Plastics-Polyols for Use in the production of polyurethanes - Determination of degree of unsaturation by using Iodine method - 1/19/2024, \$53.00

ISO/DIS 11671, Fiber reinforced plastics - Telescopic ladder - Requirements and test methods - 1/22/2024, \$93.00

ISO/DIS 7765-2, Plastics film and sheeting - Determination of impact resistance by the free-falling dart method - Part 2: Instrumented puncture test - 1/22/2024, \$67.00

**Road vehicles (TC 22)**

ISO 6727:2021/DAMd 1, - Amendment 1: Road vehicles - Motorcycles and mopeds - Symbols for controls, indicators and tell-tales - Amendment 1 - 1/22/2024, \$33.00

ISO/DIS 7299-1, Diesel engines - End-mounting flanges for pumps - Part 1: Fuel injection pumps - 1/25/2024, \$58.00

**Steel (TC 17)**

ISO/DIS 14404-1, Calculation method of carbon dioxide emission intensity from iron and steel production - Part 1: Steel plant with blast furnace - 1/21/2024, \$93.00

ISO/DIS 14404-2, Calculation method of carbon dioxide emission intensity from iron and steel production - Part 2: Steel plant with electric arc furnace (EAF) - 1/21/2024, \$88.00

ISO/DIS 14404-3, Calculation method of carbon dioxide emission intensity from iron and steel production - Part 3: Steel plant with electric arc furnace (EAF) and coal-based or gas-based direct reduction iron (DRI) facility - 1/21/2024, \$88.00

**Transport information and control systems (TC 204)**

ISO/DIS 17438-2, Intelligent transport systems - Indoor navigation for personal and vehicle ITS stations - Part 2: Requirements and specification for indoor maps - 1/22/2024, \$119.00

ISO/DIS 17438-3, Intelligent transport systems - Indoor navigation for personal and vehicle ITS stations - Part 3: Requirements and specification for indoor positioning reference data - 1/25/2024, \$82.00

**Tyres, rims and valves (TC 31)**

ISO/DIS 5273, Passenger car tyres - Preparation method for an artificially worn state for wet grip testing - 1/19/2024, \$67.00

**Water quality (TC 147)**

ISO/DIS 13646, Water quality - Determination of selected estrogens in whole water samples - Method using solid phase extraction (SPE) followed by liquid chromatography (LC) or gas chromatography (GC) coupled to mass spectrometry (MS) detection - 1/25/2024, \$134.00

**Wood-based panels (TC 89)**

ISO 10033-1:2011/DAMd 1, - Amendment 1: Laminated Veneer Lumber (LVL) - Bonding quality - Part 1: Test methods - Amendment 1 - 1/18/2024, \$29.00

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

ISO/IEC DIS 15416, Automatic identification and data capture techniques - Bar code print quality test specification - Linear symbols - 1/20/2024, \$107.00

ISO/IEC DIS 15424, Information technology - Automatic identification and data capture techniques - Data Carrier Identifiers (including Symbology Identifiers) - 1/18/2024, \$82.00

ISO/IEC DIS 5259-5, Artificial intelligence - Data quality for analytics and machine learning (ML) - Part 5: Data quality governance framework - 1/18/2024, \$67.00

ISO/IEC DIS 10373-6, Cards and security devices for personal identification - Test methods - Part 6: Contactless proximity objects - 1/18/2024, \$281.00

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

94/971/NP, PNW 94-971 ED1: Electrical relays - Product data and properties for information exchange - Part 1: General data, 01/26/2024

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

100/4070/DTR, IEC TR 63447-2 ED1: Form factor of smart mobile device - Part 2: Use cases of multimedia services, 12/29/2023

**Dependability (TC 56)**

56/2007/CDV, IEC 60300-3-10 ED2: Dependability management - Part 3-10: Application guide - Maintainability and maintenance, 01/26/2024

**Electric road vehicles and electric industrial trucks (TC 69)**

69/913/CDV, IEC 63380-1 ED1: Local Charging station management systems and Local Energy Management Systems network connectivity and information exchange - Part -1 General Requirements, Use Cases and abstract Messages, 01/26/2024

**Electrical accessories (TC 23)**

23A/1054/CD, IEC 61196-1-326 ED2: Coaxial communication cables - Part 1-326: Test methods - Clamps test, 01/26/2024

**Electrical apparatus for explosive atmospheres (TC 31)**

31M/212/FDIS, ISO/IEC 80079-49 ED1: Flame arresters - Performance requirements, test methods and limits for use, 12/15/2023

**Electrical Energy Storage (EES) Systems (TC 120)**

120/341/CD, IEC TR 62933-3-200 ED1: Electrical Energy Storage (EES) Systems - Part 3-200: Design principles of electrochemical based EES systems, 01/26/2024

**Electrical equipment in medical practice (TC 62)**

62D/2088(F)/FDIS, IEC 60601-2-35/AMD1 ED2: Amendment 1 - Medical electrical equipment - Part 2-35: Particular requirements for the basic safety and essential performance of heating devices using blankets, pads or mattresses and intended for heating in medical use, 11/17/2023

**Electrical installations of buildings (TC 64)**

64/2648/FDIS, IEC 60364-5-53/AMD2 ED4: Amendment 2 - Low-voltage electrical installations - Part 5-53: Selection and erection of electrical equipment - Devices for protection for safety, isolation, switching, control and monitoring, 12/15/2023

64/2647/CD, IEC 60479-2 ED2: Effects of current on human beings and livestock - Part 2: Special aspects, 01/26/2024

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

18A/478/CDV, IEC 60092-379 ED1: Electrical installations in ships - Part 379: Symmetrical Category cables with transmission characteristics up to 1 000 MHz, 01/26/2024

**Electromagnetic compatibility (TC 77)**

77A/1194/DTR, IEC TR 61000-1-9 ED1: Electromagnetic compatibility (EMC) - Part 1-9: General - Evaluation of uncertainty for the measurement of harmonic current emissions, 12/29/2023

**Environmental conditions, classification and methods of test (TC 104)**

104/1034/CD, IEC 60068-2-75/AMD1 ED2: Amendment 1 - Environmental testing - Part 2-75: Tests - Test Eh: Hammer tests, 12/29/2023

104/1022/CDV, IEC 60068-3-6 ED3: Environmental testing - Part 3-6: Supporting documentation and guidance - Confirmation of the performance of temperature/ humidity chambers, 01/26/2024

**Fibre optics (TC 86)**

86A/2384/CDV, IEC 60794-1-207 ED1: Optical fibre cables - Part 1-207: Generic specification - Basic optical cable test procedures - Environmental test methods - Nuclear radiation, Method F7, 01/26/2024

86A/2383/CDV, IEC 60794-1-208 ED1: Optical fibre cables - Part 1-208: Generic specification - Basic optical cable test procedures - Environmental test methods - Pneumatic resistance, Method F8, 01/26/2024

86A/2394/FDIS, IEC 60794-1-311 ED1: Optical fibre cables - Part 1-311: Generic specification - Basic optical cable test procedures - Cable element test methods - Tensile strength and elongation test for cable elements, Method G11A, 12/15/2023

86A/2395/FDIS, IEC 60794-1-312 ED1: Optical fibre cables - Part 1-312: Generic specification - Basic optical cable test procedures - Cable element test methods - Elongation test for buffer tubes at low temperature, Method G11B, 12/15/2023

86A/2392/FDIS, IEC 60794-2-23 ED1: Optical fibre cables - Part 2-23: Indoor cables - Detail specification for multi-fibre cables for use in MPO connector terminated cable assemblies, 12/15/2023

86A/2391/FDIS, IEC 60794-2-24 ED1: Optical fibre cables - Part 2-24: Indoor cables - Detail specification for multiple multi-fibre unit cables for use in MPO connector terminated breakout cable assemblies, 12/15/2023

**Flat Panel Display Devices (TC 110)**

110/1584/CD, IEC TR 63340-3 ED1: Electronic displays for special applications - Part 3: Gaming and e-sports, 12/29/2023

**Industrial-process measurement and control (TC 65)**

65/1030/DTS, IEC TS 62443-6-1 ED1: Security for industrial automation and control systems - Part 6-1: Security evaluation methodology for IEC 62443-2-4, 12/29/2023

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

34/1132(F)/FDIS, IEC 62386-306 ED1: Digital addressable lighting interface - Part 306: Particular requirements - Input devices - General purpose sensor, 11/17/2023

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

51/1466/CD, IEC 63182-6 ED1: Magnetic powder cores - Guidelines on dimensions and the limits of surface irregularities - Part 6: EQ - cores, 01/26/2024

51/1467/CD, IEC 63182-7 ED1: Magnetic powder cores - Guidelines on dimensions and the limits of surface irregularities - Part 7: EER - cores, 01/26/2024

51/1468/CD, IEC 63182-8 ED1: Magnetic powder cores - Guidelines on dimensions and the limits of surface irregularities - Part 8: U-cores, 01/26/2024

### Printed Electronics (TC 119)

119/466/CD, IEC TR 62899-250 ED2: Printed electronics - Part 250: Material technologies required in printed electronics for wearable smart devices, 01/26/2024

119/465/NP, PNW 119-465 ED1: IEC 62899-403-2 ED1: Printed electronics - Part 403-2: Printability - Requirements for reproducibility - Basic patterns for printing plate, 01/26/2024

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

116/693(F)/FDIS, IEC 62841-3-4/AMD2 ED1: Amendment 2 - Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 3-4: Particular requirements for transportable bench grinders, 11/24/2023

### Solar photovoltaic energy systems (TC 82)

82/2189/FDIS, IEC 63257 ED1: Power line communication for DC shutdown equipment - Communication signal, physical layer, 12/15/2023

82/2194/NP, PNW 82-2194 ED1: Building integrated photovoltaic (BIPV) - Identification code for building-integrated photovoltaic modules, 12/29/2023

82/2195/NP, PNW 82-2195 ED1: Supplemental Test requirement of building-integrated photovoltaic(BIPV) module containing an additional glass to a certified PV module, 12/29/2023

### Surge arresters (TC 37)

37A/401/CDV, IEC 61643-01 ED1: Low-voltage surge protective devices - Part 01: General Requirements and test methods, 01/26/2024

37A/403/CDV, IEC 61643-11/FRAG1 ED2: Fragment 1: Low-voltage surge protective devices - Part 11: Surge protective devices connected to AC low-voltage power systems - Requirements and test methods, 01/26/2024

37A/404/CDV, IEC 61643-11/FRAG2 ED2: Fragment 2: Low-voltage surge protective devices - Part 11: Surge protective devices connected to AC low-voltage power systems - Requirements and test methods, 01/26/2024

37A/402/CDV, IEC 61643-41 ED1: Low-voltage surge protective devices - Part 41: Surge protective devices connected to DC low-voltage power systems - Requirements and test methods, 01/26/2024

### Switchgear and controlgear (TC 17)

17C/903(F)/CDV, IEC 62271-200/AMD1 ED3: Amendment 1 - High-voltage switchgear and controlgear - Part 200: AC metal-enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV, 12/29/2023

### Tools for live working (TC 78)

78/1447/CD, IEC TR 62263 ED2: Live working - Guidelines for the installation and maintenance of optical fibre cables on overhead power lines, 01/26/2024

### Wind turbine generator systems (TC 88)

88/982/CDV, IEC 61400-1/AMD1 ED4: Amendment 1 - Wind energy generation systems - Part 1: Design requirements, 01/26/2024

## ISO/IEC JTC 1, Information Technology

### (JTC1 )

JTC1-SC41/386/FDIS, ISO/IEC 20924 ED3: Internet of Things (IoT) and digital twin - Vocabulary, 12/29/2023

JTC1-SC41/385/CD, ISO/IEC TR 30196 ED1: Internet of Things (IoT) - IoT applications for natural gas distribution system, 12/29/2023

JTC1-SC41/383/NP, PNW JTC1-SC41-383 ED1: Internet of Things (IoT) - IoT for stress management, good health and well-being, 01/26/2024



# 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

### Additive manufacturing (TC 261)

[ISO/ASTM 52935:2023](#), Additive manufacturing of metals - Qualification principles - Qualification of coordination personnel, \$116.00

### Aircraft and space vehicles (TC 20)

[ISO 7481:2023](#), Aerospace - Nuts, self-locking, with maximum operating temperature less than or equal to 425 °C - Test methods, \$157.00

[ISO 12261:2023](#), Aerospace - Screws, pan head, internal offset cruciform ribbed or unribbed drive, pitch diameter shank, long length MJ threads, metallic material, coated or uncoated, strength classes less than or equal to 1 100 MPa - Dimensions, \$51.00

[ISO 14300-2:2023](#), Space systems - Programme management - Part 2: Product assurance, \$77.00

### Anaesthetic and respiratory equipment (TC 121)

[ISO 11712:2023](#), Anaesthetic and respiratory equipment - Supralaryngeal airways and connectors, \$183.00

[ISO 80601-2-12:2023](#), Medical electrical equipment - Part 2-12: Particular requirements for basic safety and essential performance of critical care ventilators, \$263.00

[ISO 80601-2-84:2023](#), Medical electrical equipment - Part 2-84: Particular requirements for the basic safety and essential performance of ventilators for the emergency medical services environment, \$263.00

### Equipment for fire protection and fire fighting (TC 21)

[ISO 7204:2023](#), Specification for wetting agents for application on Class A fires, \$116.00

### Fine ceramics (TC 206)

[ISO 26443:2023](#), Fine ceramics (advanced ceramics, advanced technical ceramics) - Rockwell indentation test for evaluation of adhesion of ceramic coatings, \$51.00

### Governance of organizations (TC 309)

[ISO 37004:2023](#), Governance of organizations - Governance maturity model - Guidance, \$157.00

### Health Informatics (TC 215)

[ISO 21549-5:2023](#), Health informatics - Patient healthcard data - Part 5: Identification data, \$77.00

### Internal combustion engines (TC 70)

[ISO 8528-6:2023](#), Reciprocating internal combustion engine driven alternating current generating sets - Part 6: Test methods, \$237.00

### Metallic and other inorganic coatings (TC 107)

[ISO 14919:2023](#), Thermal spraying - Wires, rods and cords for flame and arc spraying - Classification and technical supply conditions, \$116.00

### Plastics (TC 61)

[ISO 23948:2023](#), Plastics - Intumescence properties of PVC materials and products - Test method for the measurement of expansion with the cone calorimeter, \$77.00

### Pulleys and belts (including veebelts) (TC 41)

[ISO 11749:2023](#), Belt drives - V-ribbed belts for the automotive industry - Fatigue test, \$116.00

### Road vehicles (TC 22)

[ISO 22733-2:2023](#), Road vehicles - Test method to evaluate the performance of autonomous emergency braking systems - Part 2: Car to pedestrian, \$157.00

### Ships and marine technology (TC 8)

[ISO 11336-1:2023](#), Large yachts - Strength, weathertightness and watertightness of glazed openings - Part 1: Design criteria, materials, framing and testing of independent glazed openings, \$237.00

### Sizing systems and designations for clothes (TC 133)

[ISO 8559-5:2023](#), Size designation of clothes - Part 5: Anthropometric measurements for the head and face, \$183.00

### Tractors and machinery for agriculture and forestry (TC 23)

[ISO 16119-5:2023](#), Agricultural and forestry machinery - Environmental requirements for sprayers - Part 5: Aerial spray systems, \$77.00



## ISO Technical Reports

### Dentistry (TC 106)

[ISO/TR 3630-6:2023](#), Dentistry - Endodontic instruments - Part 6: Numeric coding system, \$77.00

### Excellence in service (TC 312)

[ISO/TR 7179:2023](#), Service excellence - Practices for achieving service excellence, \$210.00

### Light and Lighting (TC 274)

[ISO/TR 5911:2023](#), Light and lighting - Commissioning of lighting systems in buildings - Explanation and justification of ISO/TS 21274, \$116.00

## ISO Technical Specifications

### Learning services for non-formal education and training (TC 232)

[ISO/TS 21030:2023](#), Educational organizations - Requirements for bodies providing audit and certification of educational organizations management systems, \$157.00

### Nanotechnologies (TC 229)

[ISO/TS 24672:2023](#), Nanotechnologies - Guidance on the measurement of nanoparticle number concentration, \$210.00

## ISO/IEC JTC 1 Technical Reports

[ISO/IEC TR 30172:2023](#), Internet of things (IoT) - Digital twin - Use cases, \$263.00

## ISO/IEC JTC 1, Information Technology

[ISO/IEC 7816-4:2020/Amd 1:2023](#), - Amendment 1: Identification cards - Integrated circuit cards - Part 4: Organization, security and commands for interchange - Amendment 1: Support of multiple logical security devices, \$22.00

[ISO/IEC 7816-8:2021/Amd 1:2023](#), - Amendment 1: Identification cards - Integrated circuit cards - Part 8: Commands and mechanisms for security operations - Amendment 1: Interoperability for the interchange of security operations using quantum safe cryptography, \$210.00

[ISO/IEC 10918-7:2023](#), Information technology - Digital compression and coding of continuous-tone still images - Part 7: Reference software, \$77.00

[ISO/IEC 23008-2:2023](#), Information technology - High efficiency coding and media delivery in heterogeneous environments - Part 2: High efficiency video coding, \$263.00

[ISO/IEC 14543-5-103:2023](#), Information technology - Home electronic system (HES) architecture - Part 5-103: Intelligent grouping and resource sharing for HES Class 2 and Class 3 - Remote access smart audio interconnection profile, \$157.00

## IEC Standards

### Electric cables (TC 20)

[IEC 60811-201 Amd.2 Ed. 1.0 b:2023](#), Amendment 2 - Electric and optical fibre cables - Test methods for non-metallic materials - Part 201: General tests - Measurement of insulation thickness, \$13.00

[IEC 60811-201 Ed. 1.2 b:2023](#), Electric and optical fibre cables - Test methods for non-metallic materials - Part 201: General tests - Measurement of insulation thickness, \$101.00

[IEC 60811-202 Amd.2 Ed. 1.0 b:2023](#), Amendment 2 - Electric and optical fibre cables - Test methods for non-metallic materials - Part 202: General tests - Measurement of thickness of non-metallic sheath, \$13.00

[IEC 60811-202 Ed. 1.2 b:2023](#), Electric and optical fibre cables - Test methods for non-metallic materials - Part 202: General tests - Measurement of thickness of non-metallic sheath, \$158.00

[IEC 60811-501 Amd.2 Ed. 1.0 b:2023](#), Amendment 2 - Electric and optical fibre cables - Test methods for non-metallic materials - Part 501: Mechanical tests - Tests for determining the mechanical properties of insulating and sheathing compounds, \$13.00

[IEC 60811-501 Ed. 1.2 b:2023](#), Electric and optical fibre cables - Test methods for non-metallic materials - Part 501: Mechanical tests - Tests for determining the mechanical properties of insulating and sheathing compounds, \$228.00

[IEC 60811-503 Amd.1 Ed. 1.0 b:2023](#), Amendment 1 - Electric and optical fibre cables - Test methods for non-metallic materials - Part 503: Mechanical tests - Shrinkage test for sheaths, \$13.00

[IEC 60811-503 Ed. 1.1 b:2023](#), Electric and optical fibre cables - Test methods for non-metallic materials - Part 503: Mechanical tests - Shrinkage test for sheaths, \$51.00

[IEC 60811-508 Amd.2 Ed. 1.0 b:2023](#), Amendment 2 - Electric and optical fibre cables - Test methods for non-metallic materials - Part 508: Mechanical tests - Pressure test at high temperature for insulation and sheaths, \$13.00

[IEC 60811-508 Ed. 1.2 b:2023](#), Electric and optical fibre cables - Test methods for non-metallic materials - Part 508: Mechanical tests - Pressure test at high temperature for insulation and sheaths, \$228.00

### **Electrical equipment in medical practice (TC 62)**

[IEC 60601-2-21 Amd.1 Ed. 3.0 b:2023](#), Amendment 1 - Medical electrical equipment - Part 2-21: Particular requirements for the basic safety and essential performance of infant radiant warmers, \$51.00

[IEC 60601-2-21 Ed. 3.1 b:2023](#), Medical electrical equipment - Part 2-21: Particular requirements for the basic safety and essential performance of infant radiant warmers, \$468.00

### **Power capacitors (TC 33)**

[IEC 60143-1 Amd.1 Ed. 5.0 b:2023](#), Amendment 1 - Series capacitors for power systems - Part 1: General, \$13.00

[IEC 60143-1 Ed. 5.1 b:2023](#), Series capacitors for power systems - Part 1: General, \$582.00

# Accreditation Announcements (U.S. TAGs to ISO)

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## Transfer of TAG Administrator – U.S. TAG to ISO

### TC 279, Innovation management

Effective **October 30, 2023**

As no public comments were received in response to the September 29, 2023 announcement of the transfer of TAG Administrator responsibilities for the U.S. Technical Advisory Group to **ISO TC 279, Innovation management** from the International Association of Innovation Professionals (IAOIP) to the American National Standards Institute (ANSI), this action is formally approved effective **October 30, 2023**. The TAG will continue to operate under the Model Operating Procedures for U.S. Technical Advisory Groups to ANSI for ISO Activities as contained in Annex A of the ANSI International Procedures. For additional information, please contact: Jason Knopes, American National Standards Institute: New York, NY 10036, P: (212) 642-4900 E: [jknopes@ansi.org](mailto:jknopes@ansi.org)

# International Organization for Standardization (ISO)

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## Call for International (ISO) Secretariat

### ISO/TC 22/SC 34 – Road vehicles - Propulsion, powertrain and powertrain fluids

**Reply Deadline: November 28, 2023**

Currently, the U.S. holds a leadership position as Secretariat of ISO/TC 22/SC 34 – *Road vehicles - Propulsion, powertrain and powertrain fluids*. ANSI has delegated the responsibility for the administration of the Secretariat for ISO/TC 22/SC 34 to the SAE International. SAE International has advised ANSI of its intent to relinquish its role as delegated Secretariat for this committee.

ISO/TC 22/SC 34 operates under the following scope:

*Systems and components for combustion based propulsion (such as; coolant, engines, filters, piston pins/rings, powertrain, testing methods, testing procedures, measurement testing apparatus, fuel injection equipment, as well as characteristics and additive fluids definitions (e.g. (AUS32), except lubricants, brake fluids, and fuels.*

ANSI is seeking organizations in the U.S. that may be interested in assuming the role of delegated Secretariat for ISO/TC 22/SC 34. Alternatively, ANSI may be assigned the responsibility for administering an ISO Secretariat. Any request that ANSI accept the direct administration of an ISO Secretariat shall demonstrate that:

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

If no U.S. organization steps forward to assume the ISO/TC 22/SC 34 Secretariat, or if there is insufficient support for ANSI to assume direct administration of this activity by November 28, 2023, then ANSI will inform the ISO Central Secretariat that the U.S. will relinquish its leadership of the committee. This will allow ISO to solicit offers from other countries interested in assuming the Secretariat role.

Information concerning the United States retaining the role of international Secretariat may be obtained by contacting ANSI's ISO Team ([isot@ansi.org](mailto:isot@ansi.org)).

## International Organization for Standardization (ISO)

### Call for U.S. TAG Administrator

#### ISO/TC 241 – Road traffic safety management systems

**Response Deadline: November 24, 2023**

ANSI has been informed that the SAE International, the ANSI-accredited U.S. TAG Administrator for ISO/TC 241, wishes to relinquish their role as U.S. TAG Administrator.

ISO/TC 241 operates under the following scope:

*Standardization in the field of RTS, Road traffic safety, management standards, needs, to be effective, to consist of:*

- *a requirement standard (which ISO 39001 will be)*
- *RTS specific auditing requirements in third party certification, and*
- *implementation and guidance documents.*

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)).

### Establishment of ISO Technical Committee

#### ISO/TC 59/SC 20 – Resilience of buildings and civil engineering works

ISO/TC 59 – Buildings and civil engineering works has created a new ISO Subcommittee on Resilience of buildings and civil engineering works (ISO/TC 292/SC 1). The Secretariat has been assigned to China (SAC).

ISO/TC 59/SC 20 operates under the following scope:

Standardization in addressing resilience in design of built environment to reduce risks induced by hazards, whether natural or man-made, and changing environment. Excluded:

- resilience of cities and communities (in ISO/TC 268 Sustainable cities and communities)
- emergency management (in ISO/TC 292 Security and resilience)

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)).

### ISO Proposal for a New Field of ISO Technical Activity

#### Consumer protection – privacy by design for consumer goods and services

**Comment Deadline: November 17, 2023**

ISO Project Committee 317 (Consumer protection – privacy by design for consumer goods and services) has submitted a proposal to expand its work program and convert the PC into a new ISO technical committee, with the following scope statement:

Standardization of consumer protection in the field of privacy by design for products, including goods, services, and data lifecycles enabled by such products.

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team ([isot@ansi.org](mailto:isot@ansi.org)), with a submission of comments to Steve Cornish ([scornish@ansi.org](mailto:scornish@ansi.org)) by close of business on Friday, November 17, 2023.

# International Organization for Standardization (ISO)

## ISO Proposal for a New Field of ISO Technical Activity

### Cultural Heritage Conservation

**Comment Deadline: December 15, 2023**

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

*Standardization in the field of terminology, technologies, materials and equipment for monitoring, evaluation, preservation and restoration of cultural heritage.*

*Excluded: ISO/TC 36 Cinematography, ISO/TC 42 Photography, ISO/TC 46 Information and documentation*

*Note: Limited to tangible cultural heritage. If an overlap or the potential for overlap with other TC/SC is identified, coordination with related TC/SC should be sought by contacting or working with working groups.*

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team ([isot@ansi.org](mailto:isot@ansi.org)), with a submission of comments to Steve Cornish ([scornish@ansi.org](mailto:scornish@ansi.org)) by close of business on **Friday, December 15, 2023**.

# Meeting Notices (International)

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## **ANSI Accredited U.S. Technical Advisory Group**

### **U.S. TAG to ISO/TC 292 – Security and Resilience (NASPO International)**

**Meeting Date: November 28, 2023 1:00 PM - 2:00 PM Central Time**

In preparation for the ISO/TC 292 “Security and Resilience” Plenary Meeting the U.S. TAG to ISO/TC 292 has announced a virtual meeting on November 28 from 1:00 PM to 2:00 PM Central time.

For more information or to participate, please contact the U.S. TAG Administrator, Mr. Michael O'Neil, [mikeo@naspo.info](mailto:mikeo@naspo.info).

# 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).



**BSR/ASHRAE/ASHE Addendum g  
to ANSI/ASHRAE/ASHE Standard 189.3-2021**

**Public Review Draft**

**Proposed Addendum g to  
Standard 189.3-2021, Design,  
Construction, and Operation of  
Sustainable High-Performance  
Health Care Facilities**

**First Public Review (November 2023)  
(Draft shows Proposed Changes to Current Standard)**

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

This standard is under continuous maintenance. To propose a change to the current standard, use the change submittal form available on the ASHRAE website, [www.ashrae.org](http://www.ashrae.org).

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

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ASHRAE, 180 Technology Parkway NW, Peachtree Corners, GA 30092

BSR/ASHRAE/ASHE Addendum g to ANSI/ASHRAE/ASHE Standard 189.3-2021, *Design, Construction, and Operation of Sustainable High-Performance Health Care Facilities*

First Public Review Draft

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

## FOREWORD

*This proposed addendum reflects the growing trend to electrify buildings.*

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

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### **Addendum g to Standard 189.3-2021**

***Add new Section 7.6 as shown. The remainder of Section 7 is unchanged.***

## **7. ENERGY EFFICIENCY**

[ ... ]

### **7.6 Electrification**

**7.6.1 Sterilization shall not rely on combustion for normal operation.**

**7.6.2 Cart wash shall not rely on combustion for normal operation.**

**7.6.3 Food service shall not rely on combustion for normal operation.**

**7.6.4 Humidification shall not rely on combustion for normal operation.**

[ ... ]

## Revision of BICSI 003, Building Information Modeling (BIM) Practices for Information Communication Technology Systems

**Background:**

In completion of the development of Draft Document D049, the revision of BICSI 003-2014, one change was identified as requiring public review. change. As such, these changes require formal approval.

This ballot contains the item for approval. Accordingly, public review is specific to only the items below, with all comments submitted that are deemed to be unrelated will be considered as new business for the consensus body.

**Ballot Content:**

To the approved content of Draft Document D049 that is to be formally identified as BICSI 003-2024, do the following item:

Note: For all items, addition(s) are indicated by underline, with deletion(s) indicated by ~~strikethrough~~.

**Item 1)**

Make the following addition within Section 7.2.1 Usage

*Rationale: The change adds to the standard that there can be risk involved when using generic models which may impact usage.*

**7 Object Parameters****7.2 Naming and Identity Parameters****7.2.1 Usage**

It should be noted that there is some risk in using generic models for designing infrastructure unless reasonable worst-case values or room for variation is provided, because ICT equipment vary substantially in terms of physical dimensions, power consumption, airflow, and other requirements. There may also be major changes in the quantity and types of ICT equipment that the building space will need to accommodate within the lifetime of the design.

Not for publication. This document is part of the NSF standard development process. This draft text is for circulation for review and/or approval by an NSF Standards Committee and has not been published or otherwise officially adopted. All rights reserved. This document may be reproduced for informational purposes only.

[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**. Rationale Statements are in *italics* and only used to add clarity; these statements will NOT be in the finished publication.]

## NSF/ANSI 401 Drinking Water Treatment Units – Emerging Compounds / Incidental Contaminants

⋮

### 6 Minimum performance requirements

⋮

#### 6.3 Flow control

**6.3.1** If the performance of a **POU** system is dependent on a specified flow rate, an automatic fixed flow rate control shall be provided as an integral part of the system to prevent excessive flow. For **POE** systems, refer to Sections 6.8 and 6.9.

**6.3.2** Refrigerator filters may have an automatic fixed flow rate control that is external to the system. For refrigerator filters that do not include an integral automatic fixed flow rate control as part of the system, where the performance of the system is dependent on a specific flow rate, an automatic fixed flow rate control shall be included within the refrigerator plumbing to prevent excessive flow.

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#### 6.8 POE rated pressure drop

##### ~~6.8.1 Without built-in flow control~~

POE systems shall have no more than 105 kPa (15 psig) initial pressure drop at the rated service flow with an inlet pressure of 210 kPa (30 psig) and a water temperature of  $20 \pm 3$  °C ( $68 \pm 5$  °F). The rated service flow shall be greater than or equal to 15 LPM (4 GPM).

##### ~~6.8.2 With built-in flow control~~

~~POE systems with built-in flow control shall have no more than 103 kPa (15 psig) initial pressure drop at a flow rate equal to or greater than 15 LPM (4 GPM) with an inlet pressure of 210 kPa (30 psig) and a water temperature of  $20 \pm 3$  °C ( $68 \pm 5$  °F).~~

#### 6.9 Minimum service flow rate

The minimum initial clean-system flow rates specified in Table 6.1 shall be attainable by the system at an inlet pressure of 210 kPa (30 psig) and a water temperature of  $20 \pm 3$  °C ( $68 \pm 5$  °F), with a fully open outlet.

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**Table 6.1**  
**Minimum service flow**

Type of system	Minimum service flow rate
<b>Point of use systems connected to a pressurized line</b>	
countertop connected to sink faucet with diverter	0.8 LPM (0.2 GPM)
faucet mount with diverter	0.8 LPM (0.2 GPM)
faucet mount without diverter	1.9 LPM (0.5 GPM)
plumbed in	1.9 LPM (0.5 GPM)
plumbed in to separate tap with reservoir	7.6 LPD (2 GPD)
plumbed in to separate tap without reservoir	0.8 LPM (0.2 GPM)
special systems (e.g., glass filler and ice maker for refrigerator, systems designed for nonhome use)	exempt
<b>Point of use systems not designed for direct connection to a pressurized supply line (batch systems)</b>	
countertop manual fill with or without internal pump	exempt
pour-through	exempt
<b>Point of entry systems</b>	<b>15 LPM (4.0 GPM)</b>

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**7 Elective performance claims – Test methods**

**7.1 General requirements**

**7.1.1 Aesthetic effects claims**

Claims for bacteriostasis, taste, odor, and other aesthetic effects shall not be verified under this standard. Such claims shall be tested for conformance to NSF/ANSI 42.

**7.1.2 Health effects claims**

Claims for reduction of chemical, physical, radiological, or microbiological or other contaminants that occur in drinking water at known acute or chronic health effects shall not be verified under this standard.

**7.1.3 Apparatus**

A test apparatus capable of providing specified flow rates and pressures shall be used. Refer to Figure 2 for an example of the test apparatus. The use of extraneous plumbing or any device between the pressure measurement point and the tested device shall be minimized. The diameter of downstream equipment and plumbing (including faucets) used in testing shall be equal to or greater than the diameter at the connection to the tested device.

**7.1.4 POE testing**

POE units shall be tested for all contaminants using one of the options in Sections 7.1.4.1 and 7.1.4.2.

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#### **7.1.4.1 Option 1: POE testing using scaled down systems**

Two smaller sized, justifiably equivalent units shall be tested in a technically comparable manner and the data obtained shall be used to calculate the capacity and flow rate of the full scale POE system. (This reduces the time and test water volume required for testing.) The design of the scaled down test shall properly represent the full scale unit(s) that it is being modeled upon. All modeled relationships and parameters for the scaled down test(s) shall be equivalent to or a conservative representation of the full scale POE system (refer to Informative Annex 2 for examples).

Full scale POE systems that are designed to include backwashing of the internal treatment media shall include backwashing in the scaled down systems at least twice during the test: immediately prior to the 50% and 100% sample points for units with a performance indication device or immediately prior to the 100% and 200% sample points for units without a performance indication device. If the instructions or mechanism in the unit requires rinsing prior to the return to service, this shall be carried out after backwashing and prior to sample collection.

#### **7.1.4.2 Option 2: POE testing using full scale systems**

Testing shall be carried out using one full scale POE system (instead of two as required with POU systems) to reduce the test water volume required for testing.

When one POE unit is tested, the final sample point for units with a performance indication device shall be at 125% of capacity (instead of 120%) and for units without a performance indication device at 205% (instead of 200%).

Full scale POE systems that are designed to include backwashing of the internal treatment media shall include backwashing at least twice during the test: immediately prior to the 50% and 100% sample points for units with a performance indication device or immediately prior to the 100% and 205% sample points for units without a performance indication device. If the instructions or mechanism in the unit requires rinsing prior to the return to service, this shall be carried out after backwashing and prior to sample collection.

## **7.2 Chemical reduction claims**

### **7.2.1 Chemical reduction testing – Active media**

#### **7.2.1.6 Methods - POU**

Systems shall be conditioned using the test contaminant specified in Table 7.1 and test water in Section 7.2.1.4. The conditioning volume shall be excluded from the volume measured as the influent challenge volume for capacity and sample point determination.

##### **7.2.1.6.1 Plumbed in systems without reservoirs, and all faucet-mounted systems, and POE devices**

Two systems shall be conditioned in accordance with the manufacturer's instructions and Section 7.2.1.6. The systems shall be tested using the appropriate influent challenge water at the maximum flow rate attainable by setting an initial dynamic pressure of  $410 \pm 20$  kPa ( $60 \pm 3$  psi). The pressure shall not be readjusted although the system may experience some change in dynamic pressure. The operating cycle specified in Section 7.2.1.5 shall be used.

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#### **7.2.1.6.1.1 Refrigerator filters without integral flow control**

Chemical reduction testing for refrigerator filters without an integral automatic fixed flow rate control shall be performed at a controlled flow rate that is equal to or greater than the rated service flow of the refrigerator filter system and refrigerator plumbing.

#### **7.2.1.6.1.2 Refrigerator filters without integral flow control, with water dispenser and ice maker**

If the refrigerator filter does not include an integral automatic fixed flow rate control, and supplies water to both a water dispenser and an ice maker, then any chemical reduction testing shall be performed at a controlled flow rate equal to or greater than the tested flow rate of the icemaker or the tested flow rate of the water dispenser, whichever is greater.

#### **7.2.1.6.2 Plumbed in systems with reservoirs**

Two systems shall be conditioned in accordance with the manufacturer's instructions and Section 7.2.1.6.

The method specified in Section 7.2.1.7 shall be followed except that where the design of the system does not lend itself to the operating cycle specified in Section 7.2.1.6, the operating cycle shall be a repetitive complete filling and emptying of the reservoir. This cycle may be continued for 24 h/d.

#### **7.2.1.6.3 Nonplumbed pour-through-type batch treatment systems**

Two systems shall be conditioned in accordance with the manufacturer's instructions and Section 7.2.1.6.

If the effluent reservoir capacity is equal or greater than two times the volume of the influent reservoir, multiple successive influent reservoir fills shall be performed until the remaining volume in the effluent reservoir is less than the influent reservoir volume. The resulting volume for each filling of the effluent reservoir shall be the batch volume. If the volume of the effluent reservoir is less than two times the volume of the influent reservoir, the batch volume shall be the influent reservoir volume.

Example:

<b>Influent volume (L)</b>	<b>Effluent volume (L)</b>	<b>Batch (L)</b>
1.0	1.8	1.0
1.2	2.5	2.4
1.4	4.0	2.8

#### **7.2.1.6.3.1 Systems with a manufacturer's recommended use pattern**

Two systems shall be tested using the appropriate influent challenge water using the manufacturer's use pattern. The use pattern shall include information about the rest period between the fillings. The rest period after the influent reservoir has drained given by the manufacturer shall not exceed 75 min and include a tolerance of at least  $\pm 15$  min. The systems shall be operated up to 16 h per 24-h period, followed by an 8-h rest period. Exceptions to the rest period are permissible for laboratory operational needs (e.g., water preparation, equipment malfunctions).



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#### **7.2.1.6.3.2 Systems without a manufacturer's recommended use pattern**

Two systems shall be tested using the appropriate influent challenge water. The systems shall be operated up to 16 h per 24-h period, followed by an 8-h rest period. The test cycle shall include a rest period of 30 to 90 min after the influent reservoir has drained. The total volume per day shall be limited to 10 batches. Exceptions to the rest period are permissible for laboratory operational needs (e.g., water preparation, equipment malfunctions).

#### **7.2.1.6.3.3 Mouth drawn drinking water treatment units**

Products meeting the definition for mouth drawn drinking water treatment unit shall be evaluated using the method specified in Annex N-1.

Two units shall be conditioned in accordance with the manufacturer's instructions and Section 7.2.1.6.

#### **7.2.1.6.3.4 Squeeze bottle drinking water treatment units**

Products meeting the definition for squeeze drawn drinking water treatment unit shall be evaluated using the method specified in Annex N-2.

Two units shall be conditioned in accordance with the manufacturer's instructions and Section 7.2.1.6.

#### **7.2.1.7 Method - POE**

Two smaller sized systems or one full size unit (refer to Section 7.1.4) shall be conditioned in accordance with the manufacturer's instructions and Section 7.2.1.6. The systems shall be tested using the appropriate influent challenge water. The full size unit shall be tested at the rated service flow at an initial dynamic pressure of  $410 \pm 20$  kPa ( $60 \pm 3$  psi). The pressure shall not be readjusted although the system may experience some change in dynamic pressure. The flow rate shall be controlled to the rated service flow or the maximum flow rate achievable through the entire test, but if the flow rate cannot be maintained at greater than 25% of the rated service flow or 4.0 GPM, whichever is greater, the test shall be terminated. The operating cycle specified in Section 7.2.1.5 shall be used.

Two scaled down systems shall be tested at the modeled flow rate at an initial dynamic pressure of  $410 \pm 20$  kPa ( $60 \pm 3$  psi). The pressure shall not be readjusted although the system may experience some change in dynamic pressure. The flow rate shall be controlled to that flow rate or the maximum flow rate achievable through the entire test, but if the flow rate cannot be maintained at greater than 25% of the modeled flow rate, the test shall be terminated. The operating cycle specified in Section 7.2.1.5 shall be used.

#### **7.2.1.8 Sampling**

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#### **Rationale:**

*This language was balloted (as 53i132) and incorporated into NSF/ANSI 53-2022. It is now being applied to NSF/ANSI 401. Specific changes:*

- *Add test methods for POEs (and distinguish existing Method sections as applying to POUs)*
- *Add Informative Annex 2 to provide examples of POE extrapolation (attached under Referenced Documents as informative content is outside the ANSI scope for balloting)*

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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**. 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 Treatment Chemicals – Health Effects

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### 2 Definitions

**2.1 analytical summary:** A list of the analytical procedures, both chemical and microbiological, which are selected to determine whether a product is compliant to the requirements of the standard.

**2.2 at-the-tap:** Referring to the point of delivery of potable water.

**2.3 blend:** A treatment product composed of two or more individual chemicals that do not react with one another.

**2.4 blender:** A manufacturer who produces a physical mixture of two or more ingredients. The mixture may be further diluted with potable water.

NOTE — The definition of blender pertains to physical mixtures of ingredients, and not to chemical products that are produced by a chemical reaction in blended processes.

~~**2.5 bonded individual:** A bond is a promise that a contractor, or driver, will fulfill his obligations. If a driver is bonded, a third-party company or his trucking company backs his performance and promises he will complete the task as agreed upon. Therefore, a bond provides assurance that the contracted work will be satisfactorily completed. If a loss occurs, however, a separate insurance policy may be required to cover the property, not the bond.~~

**2.5 designated individual:** A person that is an authorized driver/deliverer for delivery of a bulk shipment of a drinking water treatment chemical. This person may be in the employ of a chemical manufacturer or a third-party shipping firm that is under formal agreement with the manufacturer.

**2.6 bulk transfer facilities:** A facility / location where a source product is transferred from one bulk vessel to another, with or without intermediate product storage.

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### 3 General requirements

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### 3.9.3 Security requirements for bulk shipments and large reusable containers (totes)

Drinking water treatment chemicals shipped in bulk shall be secured during storage and distribution by employing one or more of the following security measures (see Sections 3.9.3.1, 3.9.3.2, and 3.9.3.3). These requirements are applicable to a single load delivered to one or to multiple locations. This requirement applies to railcar chemical deliveries that are direct to drinking water utilities, or to other end users involved in the addition of the delivered chemical to drinking water, and to truck deliveries whether to a single destination or by milk run deliveries.

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#### 3.9.3.2 Chain of custody (COC)

An auditable continuous COC protocol may be used to record secure distribution of product. Maintaining a continuous COC requires that the product is under the continuous control of ~~bonded~~ and designated individuals, that direct access to the product is restricted to those individuals, and that the container is sealed or secured at all times during transport from the place of shipment to the place of delivery. If COC is used, a completed COC record showing continuous and secure custody between the certification holder to the purchaser shall be provided by the transporter to the certification holder and to the purchaser at the time of delivery. The completed COC record returned to the certification holder shall be kept available for review by the certification body.

NOTE — For the custody procedure during transport by road of certain drinking water treatment chemicals, there may be a requirement for two persons to be assigned to the distribution activity, with the vehicle being under the direct supervision of at least one person at all times.

Where a paper-based COC procedure is used for milk run deliveries, the documentation shall have sufficient copies so that a copy of the documentation shall be signed and provided to each consignee noting the quantity delivered at that destination, and the balance remaining in the shipment. A copy of the complete series of deliveries shall be provided by the transporter to the certification holder.

Where an electronically-based COC procedure is used for milk run deliveries, the record of the custody and deliveries shall be provided by the transporter to the certification holder.

NOTE — It is normal transport procedure for the transporter to retain duplicate records of all cargo acceptances and deliveries, including COC documents or records. These may be accessed if necessary to verify COC.

#### 3.9.3.3 Alternative method

An alternative method or methods agreed upon by the certification holder and the purchaser may be used for bulk shipments if the alternative method provides protection against tampering that is equivalent to this standard. If alternative methods are used, the agreement with the purchaser and description of the alternative methods shall be in written form and kept available for review by the certification body.

***Rationale: The overall objective of the COC requirement (3.9.3.2) is to ensure that authorized/designated personnel are in continuous contact with the bulk vessel throughout the delivery cycle, whereas bonding of a shipment involves financial backing through a third party as security for the delivery of goods to the final destination.***

## BSR/UL 510, Standard for Safety for Polyvinyl Chloride, Polyethylene, and Rubber Insulating Tape

### 1. Clarification to result recording – Dielectric

#### PROPOSAL

22.7 The maximum voltage is to be noted and recorded. Dielectric strength is calculated by dividing the maximum voltage by the average ~~original~~ thickness of the tape (backing plus adhesive) as indicated in 22.4.

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## BSR/UL 1660, Standard for Safety for Liquid-Tight Flexible Nonmetallic Conduit

## 1. Addition of minimum inside diameter for trade sizes 2 1/2 &amp; 3 1/2.

## PROPOSAL

**Table 5**  
**Limits on inside diameters of Type LFNC-C conduit**  
 (See [4.3.3.1](#))

Trade size (Metric designator)	Minimum inside diameter,	
	mm	(in)
3/8 (12)	12.07	(0.475)
1/2 (16)	15.49	(0.610)
3/4 (21)	20.45	(0.805)
1 (27)	25.91	(1.020)
1-1/4 (35)	34.54	(1.360)
1-1/2 (41)	40.01	(1.575)
2 (53)	51.69	(2.035)
<u>2-1/2 (63)</u>	<u>65.65</u>	<u>2.585</u>
<u>3 (78)</u>	a	a
<u>3-1/2 (91)</u>	<u>89.00</u>	<u>3.505</u>
<u>4 (103)</u>	a	a
2-1/2 – 4 (63 – 103)	a	a

a To be developed.

## BSR/UL 2225, Standard for Safety for Cables and Cable Fittings for Use in Hazardous (Classified) Locations

### 1. Revisions to the recirculation proposal document dated September 1, 2023 per responses to comments received.

#### PROPOSAL

1.5 These requirements cover explosionproof and dust-ignitionproof cable sealing fittings for Type P cable intended for use on mobile offshore oil rigs and drilling platforms, and other marine vessels, and for use on land-based gas and oil mobile drilling rigs in accordance with the National Electrical Code, NFPA 70-2020. For offshore installations, investigations of these fittings include an evaluation for conformity to the installation and use provisions of Title 46 Code of Federal Regulations Sub-part 111.105 and Subpart 111.60 of the United States Coast Guard Electrical Engineering Regulations, Subchapter J (Parts 110 to 113 inclusive) as applied by the authority having jurisdiction.

1.6 These requirements cover flameproof "d", increased safety "e" Protection by enclosure "t", explosionproof and dust-ignitionproof cable fittings for Type P, and flameproof "d" cable sealing fittings for use in Zone 1 Groups IIA, IIB and IIC hazardous (classified) locations, in accordance with the National Electrical Code, NFPA 70.

1.5 These requirements cover flameproof, increased safety, explosionproof and dust-ignitionproof cable sealing fittings for Type P cable intended for use on mobile offshore oil rigs and drilling platforms, and other marine vessels, and for use on land-based gas and oil mobile drilling rigs in accordance with the National Electrical Code, NFPA 70-2020. For offshore installations, investigations of these fittings include an evaluation for conformity to the installation and use provisions of Title 46 Code of Federal Regulations Sub-part 111.105 and Subpart 111.60 of the United States Coast Guard Electrical Engineering Regulations, Subchapter J (Parts 110 to 113 inclusive) as applied by the authority having jurisdiction.

1.6 These requirements cover flameproof "d", increased safety "e", Protection by enclosure "t", explosionproof and dust-ignitionproof cable fittings for Type P cable in accordance with the National Electrical Code, NFPA 70.

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