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# CONTENTS




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# Project Initiation Notification System (PINS)

Section 2.5.1 of the *ANSI Essential Requirements* (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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## AAMI (Association for the Advancement of Medical Instrumentation)

Thomas Kim <tkim@aami.org> | 901 N. Glebe Road, Suite 300 | Arlington, VA 22203 www.aami.org

***Addenda***

BSR/AAMI ST91 Amendment 1-202x, Flexible and Semi-Rigid Endoscope Processing in Health Care Facilities (addenda to ANSI/AAMI ST91-2021)

Stakeholders: Sterile processing and health care personnel with responsibility for processing endoscopes, regulators, manufacturers of endoscopes and related cleaning equipment, and others with interest in the processing of endoscopes

Project Need: To provide a checklist of requirements and recommendations as documents in the body of AAMI ST91:2021 for self-assessment use by health care facilities.

Interest Categories: Users, government/regulatory, general interest, and industry

Provides guidelines for point-of-use treatment, transporting, leak testing (where indicated), cleaning, packaging (where indicated), high-level disinfecting and/or sterilizing, storage, and quality control procedures of flexible gastrointestinal (GI) endoscopes; flexible bronchoscopes; flexible ear, nose, and throat endoscopes; flexible urology endoscopes; and other types of reusable flexible endoscopes used in procedural and surgical settings, and semi-rigid operative endoscopes (e.g., choledochoscopes) used in health care facilities. These guidelines are intended to provide comprehensive information and direction for health care personnel in the processing of these reusable devices and accessories to render them safe for patient use.

## ASC X9 (Accredited Standards Committee X9, Incorporated)

Ambria Calloway <ambria.frazier@x9.org> | 275 West Street, Suite 107 | Annapolis, MD 21401 www.x9.org

***New Standard***

BSR X9.150-202X, QR Code Payment Standard (MPM & CPM) (new standard)
Stakeholders: Financial institutions, merchants, and billers are the primary stakeholders as a QR Code standard enables these 3 entities to receive and send payments directly from their bank account without having to share sensitive account information. Service providers of these entities are also stakeholders. Mobile app providers would embed Payment QR Code Technology into their UI and integrate to the back end as well. Cashiering and related systems for merchants would be updated to present QR Codes at checkout. Billing vendors would include a QR code option for payment on bills they produce for companies.

Project Need: The QR Code Payment Standard is needed to accelerate the adoption of instant payments. The speed of payments in the U.S. lags far behind many other countries. There are over 12 Billion instant payments per month in India and 5 Billion per month in Brazil. In the U.S., there are only 30 million instant payments happening each month. A QR Code standard creates a network effect so that every bank or merchant mobile app with a QR Code reader or generator can be used to make payments with anyone.

Interest Categories: Producer, Consumer, General Interest

The proposed scope is the content of a QR Code for payment for interoperability. There are several types:
- Merchant Presented Mode;
- Static;
- Dynamic;
- Immediate payments;
- Payments due in the future;
- Consumer Presented Mode;
- Online - content is the same as offline;
- Offline - content is the same as online.

Content includes the format, specifications and minimum information included in the payload to generate a QR code - either presented by a Merchant or presented by a Consumer. Content also includes the format, specifications, and minimum information included in the alphanumeric string representation of the QR Code. Each position in the string provides information about a payment transaction including things like transaction amount, currency, biller/merchant, etc. To be clear, we are not talking about URL QR Codes. This type of QR Code is scanned by the camera app on a mobile device, and redirects the user to a landing page with more information. This proposed standard is for a Payment QR Code. It is much more secure technology than a simple URL QR Code. Encoded in a Payment QR Code is all the information necessary to execute a payment without the consumer or merchant having to share financial account details.

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

Carl Jordan <cjordan@ashrae.org> | 180 Technology Parkway | Peachtree Corners, GA 30092 www.ashrae.org

***Revision***

BSR/ASHRAE 171-202x, Method of Testing & Rating Seismic Restraint Devices for HVAC & R Equipment (revision of ANSI/ASHRAE Standard 171-2017)
Stakeholders: All equipment for built environment in areas subject to seismic forces

Project Need: Over the time since the standard was originally published, the committee has learned that regulatory approval bodies have specific changes they want incorporated.

Interest Categories: Manufacturer, General, User

The purpose of this standard is to provide a test procedure for determining the capacity of seismic restraints for HVAC & R equipment. The test procedures will determine the maximum force a restraint can withstand without breakage or permanent deformation. The standard provides a method of rating restraints based on the test results.

## AWS (American Welding Society)

Kevin Bulger <kbulger@aws.org> | 8669 NW 36th Street, Suite 130 | Miami, FL 33166-6672 www.aws.org

***Revision***

BSR/AWS A5.6/A5.6M-202x, Specification for Copper and Copper-Alloy Electrodes for Shielded Metal Arc Welding (revision of ANSI/AWS A5.6/A5.6M-2008 (R2017))
Stakeholders: Welding Industry and welding professionals involved in copper and copper-alloy welding.

Project Need: Updating for new practices

Interest Categories: Users, Producers, General Interest, Distributors

This specification prescribes the requirements for classifications of copper and copper-alloy electrodes for shielded metal arc welding. Classification is based on chemical composition, mechanical properties, and usability of the electrodes. Additional requirements are included for manufacture, sizes, lengths, and packaging. A guide is appended to the specification as a source of information concerning the classification system employed and intended use of the electrodes. 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> | 8669 NW 36th Street, Suite 130 | Miami, FL 33166-6672 www.aws.org

***Revision***

BSR/AWS A5.7/A5.7M-202x, Specification for Copper and Copper-Alloy Bare Welding Rods and Electrodes (revision of ANSI/AWS A5.7/A5.7M-2007 (R2017))
Stakeholders: Welding Industry and welding professionals involved in copper and copper-alloy welding.

Project Need: Updating for new practices

Interest Categories: Users, Producers, General Interest, Distributors.

This specification prescribes the requirements for classifications of copper and copper-alloy electrodes and rods for gas shielded metal arc, gas shielded tungsten arc, and plasma arc welding. Classification is based on chemical composition of the filler metal. Additional requirements are included for manufacture, sizes, lengths, and packaging. A guide is appended to the specification as a source of information concerning the classification system employed and intended use of the electrodes. 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.

## BICSI (Building Industry Consulting Service International)

Jeff Silveira <jsilveira@bicsi.org> | 8610 Hidden River Parkway | Tampa, FL 33637 www.bicsi.org

***Revision***

BSR/BICSI 006-202x, Distributed Antenna System (DAS) Design and Implementation Best Practices (revision of ANSI/BICSI 006-2019)
Stakeholders: Telecom and ICT designers, providers, installers; wireless system manufacturers, all industries utilizing DAS for wireless communication

Project Need: Changes in the wireless industry, increased reliance of DAS for private, commercial and public applications, consumer use, governmental policy, and improvements in technology necessitate revision of the current ANS.

Interest Categories: Producer, Designer/Design Services, End User / Owner

This standard provides industry and service provider neutral requirements and acceptable best practices for the design and installation of a DAS. For brevity, as used in this document, the terms distributed antenna system or DAS includes other in-building wireless and similar systems, such as radiating cable and small-cell networks.

## NECA (National Electrical Contractors Association)

Jeff Noren <Jeff.Noren@NECAnet.org> | 1201 Pennsylvania Avenue, Suite 1200 | Washington, DC 20004 www.neca-neis.org

***New Standard***

BSR/NECA 412-202X, Standard for Installing and Maintaining Photovoltaic (PV) Power Systems (new standard)
Stakeholders: Electrical contractors and their customers, Inspectors, Specifiers, Electricians, and Engineers.

Project Need: National Electrical Installation Standards (developed by NECA in partnership with other industry organizations) are the first performance standards for electrical construction. They go beyond the basic safety requirements of the National Electrical Code to clearly define what is meant by installing products and systems in a "professional and skillful" manner.

Interest Categories: Construction, General Interest, Producer, and Government

This Standard describes the procedures for installing and maintaining photovoltaic (PV) power systems and components. 1.1 Products and Applications Included. This Standard covers the installation and maintenance of low-voltage PV power systems, rated 1000 VAC and less and 1500 VDC and less, for grid-connected and stand-alone operation for residential, commercial, and industrial applications. NOTE: PV system DC circuits are not permitted to exceed 600 V on or in one- and two-family dwellings in accordance with the NEC. See Figure 1.1 for an example of PV modules forming an array that is part of a PV power system. 1.2 Products and Applications Excluded. This Standard does not apply to solar heating systems or PV power systems rated more than 1000 V. This Standard does not cover the design of PV power systems.

## NECA (National Electrical Contractors Association)

Jeff Noren <Jeff.Noren@NECAnet.org> | 1201 Pennsylvania Avenue, Suite 1200 | Washington, DC 20004 www.neca-neis.org

***New Standard***

BSR/NECA 500-202X, Recommended Practice for Installing and Maintaining Indoor Commercial Lighting Systems (new standard)
Stakeholders: Electrical contractors and their customers, Inspectors, Specifiers, Electricians, and Engineers.

Project Need: National Electrical Installation Standards (developed by NECA in partnership with other industry organizations) are the first performance standards for electrical construction. They go beyond the basic safety requirements of the National Electrical Code to clearly define what is meant by installing products and systems in a "professional and skillful" manner.

Interest Categories: Construction, General Interest, Producer, and Government

1.1 Products and Applications Included. This Standard describes installation and maintenance procedures for permanently installed incandescent, halogen, fluorescent, LED, and high-intensity discharge (HID) lighting systems operating at 1000 Volts or less installed indoors and commonly used in commercial and retail buildings, including, but not necessarily limited to, the following: Recessed lighting systems, such as troffers, downlights, wallwashers, valance lights, and accent lights. Surface-mounted lighting systems, such as surface troffers, wraparounds, surface downlights, monopoints, and decorative fixtures. Suspended lighting systems, such as pendant luminaires; direct, indirect, and uplight systems; and decorative luminaires. Wall-mounted lighting systems, such as sconces or wallpacks. Track lighting systems. Power over Ethernet (PoE) lighting systems. In addition to luminaires, this Standard includes construction materials related to luminaires, including, but not necessarily limited to, lamps, conductors, wiring methods, various special screws and clips, and structural suspension components.

## OPEI (Outdoor Power Equipment Institute)

Greg Knott <gknott@opei.org> | 1605 King Street | Alexandria, VA 22314 www.opei.org

***Revision***

BSR/OPEI B71.10-202x, Standard for for Off-Road Ground-Supported Outdoor Power Equipment – Gasoline Fuel Systems – Performance Specifications and Test Procedures (revision and redesignation of ANSI/OPEI B71.10-2018)
Stakeholders: Gasoline-powered, ground-supported outdoor power equipment stakeholders including OEM producers, component suppliers, consumer users, retailers, testing organizations, government agencies, and general interests.

Project Need: Revision of ANSI/OPEI B71.10-2018.

Interest Categories: OEM Producers, Supplier Producers, Consumer Users, Retailers, Testing Organizations, Government Agencies and General Interests

This standard describes safety specifications and test procedures applicable to the gasoline fuel systems for off-road ground-supported outdoor power equipment with spark ignition engines of less than one liter displacement. Off-road ground-supported outdoor power equipment for which this standard may apply include walk-behind and riding lawnmowers, snow throwers, powered log-splitters, shredders/grinders, and tillers.

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

Doug Weinbaum <dweinbaum@resna.org> | 2001 K Street, NW, 3rd Floor North | Washington, DC 20006 www.resna.org

***Revision***

BSR/RESNA AT-1-202x, RESNA Standard for Assistive Technology for Air Travel - Volume 1: Requirements and Test Methods Related to Mobility Devices (revision, redesignation and consolidation of ANSI/RESNA AT-1-Section 4-2021)
Stakeholders: People with mobility impairments that desire to travel by air and the related service organizations that represent various disability groups, airline industry experts, assistive technology (AT) researchers, designers and manufacturers, government organizations that regulate air travel and support the purchase of AT, and clinical and testing experts of AT.

Project Need: Persons with reduced mobility who use assistive technologies (AT) to enhance their mobility, must travel with their AT if they travel by air. Persons with mobility impairments desire to travel for work and visit family and friends, just like everyone else. Currently, many manual and powered wheelchairs and other types of assistive technology are damaged when they are loaded into and transported in the cargo holds of commercial aircraft. There is a need for standards that will establish and harmonize procedures for accommodating passengers with AT. There is a need for standards that will harmonize the way that information about AT is tracked by commercial air carriers to improve preparation, handling, and stowage of AT in aircraft cargo holds. There is also a need for standards that will harmonize the procedures that are used to prepare, load, stow, and transport AT into commercial aircraft and then unload AT from the aircraft and return it to the passenger for driving use. There is also a need for design standards for AT with features that will make it easier to prepare for air travel and load into, unload from, and transport in commercial aircraft.

Interest Categories: Airline Industry Experts, Consumers, Caregivers, Clinical Experts, Disability Organization, Government, Mobility Device Manufacturer, Research & Development.

This standard specifies requirements and test methods for efficient and safe handling and storage of many different types of assistive technologies (AT) for passengers with mobility impairments on aircraft, and includes the creation of the following: principles, training, and procedures for air carrier accommodation of passengers with mobility devices and handling of mobility devices, a checklist of the dimensional, performance and instructional information to be physically and/or electronically associated with the mobility device; labeling and design specifications for mobility devices suitable for transport in commercial aircraft; and an air travel configuration card to accompany the mobility device. It will also specify requirements for the disclosure of the test results. These test methods may be used to verify manufacturers' claims that a product exceeds the minimum requirements of this standard. This Volume is expected to have multiple sections:
Section 1—Definitions, Principles, and Training for Accommodation of Passengers with Mobility Devices;
Section 2—Procedures for Accommodation of Passengers with Mobility Devices;
Section 3—Handling Procedures for Mobility Devices to be Stowed and Transported in Commercial Aircraft;
Section 4—Labeling and Design Requirements for Mobility Devices Designed for Stowage and Transport in Commercial Aircraft.
For organizational purposes, additional sections may be added for topics such as air travel configuration cards, transfer technologies, boarding devices, and onboard wheelchairs.

## SPRI (Single Ply Roofing Industry)

Linda King <info@spri.org> | 465 Waverley Oaks Road, Suite 421 | Waltham, MA 02452 www.spri.org

***Revision***

BSR/SPRI WD-1-202x, Wind Design Standard Practice for Roofing Assemblies (revision of ANSI/SPRI WD-1-2020)
Stakeholders: Roofing Design Professionals, Architects, Consultants and Roofing Contractors

Project Need: The document is in need of updating to comply with the five-year review requirement of the SPRI Procedures and to prepare this document for adoption into the International Building Code, with references to Florida Roofing Application Standards (RAS) 117 & 137, which have already been adopted by the state of Florida.

Interest Categories: Producer, Other Producer, User, General Interest

This Wind Design Standard Practice provides general building design considerations as well as a methodology for selecting an appropriate roofing assembly to meet the building's calculated rooftop design wind uplift pressures. This document is appropriate for non-ballasted assemblies; single-ply, modified bitumen, and built-up roofing system assemblies installed over any type of roof deck.

# Call for Comment on Standards Proposals

## American National Standards

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

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

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

Comments should be addressed to the organization indicated, with a copy to the Board of Standards Review, American National Standards Institute, 25 West 43rd Street, New York, NY 10036. e-mail: psa@ansi.org
* Standard for consumer products

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## Comment Deadline: August 18, 2024

### NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | arose@nsf.org, www.nsf.org

***Revision***

BSR/NSF 49-202x (i173AAr1), Biosafety Cabinetry: Design, Construction, Performance and Field Certification (revision of ANSI/NSF 49-2022)
This standard applies to Class II (laminar flow) biosafety cabinetry designed to minimize hazards inherent in work with agents assigned to Biosafety Levels 1, 2, 3, or 4. It also defines the tests that shall be passed by such cabinetry to meet this standard.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Allan Rose <arose@nsf.org>

### NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | arose@nsf.org, www.nsf.org

***Revision***

BSR/NSF 49-202x (i180r1), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2022)
This standard applies to Class II (laminar flow) biosafety cabinetry designed to minimize hazards inherent in work with agents assigned to Biosafety Levels 1, 2, 3, or 4. It also defines the tests that shall be passed by such cabinetry to meet this standard.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Allan Rose <arose@nsf.org>

# Comment Deadline: August 18, 2024

**NSF (NSF International)**

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | arose@nsf.org, www.nsf.org

***Revision***

BSR/NSF 49-202x (i181r1), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2022)
This standard applies to Class II (laminar flow) biosafety cabinetry designed to minimize hazards inherent in work with agents assigned to Biosafety Levels 1, 2, 3, or 4. It also defines the tests that shall be passed by such cabinetry to meet this standard.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Allan Rose <arose@nsf.org>

**NSF (NSF International)**

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | ajump@nsf.org, www.nsf.org

***Revision***

BSR/NSF/CAN 61-202x (i184r1), Drinking Water System Components - Health Effects (revision of ANSI/NSF/CAN 61-2023)
This standard is intended to cover specific materials or products that come into contact with drinking water, drinking water treatment chemicals, or both. The focus of the standard is the evaluation of contaminants or impurities imparted indirectly to drinking water.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Amy Jump <ajump@nsf.org>

**ULSE (UL Standards & Engagement)**

100 Queen Street, Suite 1040, Ottawa, ON K1P 1J9 Canada | hilal.elmisilmani@ul.org, https://ulse.org/

***New Standard***

BSR/UL 979-202x, Standard for Safety for Water Treatment Appliances (new standard)
The requirements of this standard cover electrically operated water treatment appliances for household, commercial use, and industrial use. These appliances are intended for installation and use in accordance with NFPA 70 and are rated 600 V or less. These requirements also cover appliances utilizing features that treat water using cation exchange water softeners, ionization, filters, ultraviolet radiation, ozone generation, and reverse osmosis. These requirements do not cover water treatment appliances for use with pools or spas, water distillers, aquariums, or other equipment connected to plumbing that is covered by individual requirements. They also do not cover appliances for use in hazardous locations, nor the aesthetic effects or the effectiveness of water treatment.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Follow the instructions on the following website to enter comments into the CSDS Work Area: https://csds.ul.com/ProposalAvailable.

# Comment Deadline: August 18, 2024

### ULSE (UL Standards & Engagement)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | Tony.Partridge@ul.org, https://ulse.org/

*New Standard*

BSR/UL 61010-2-202-202x, Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 2-202: Particular Requirements for Electrically Operated Valve Actuators (new standard)
(1) Adoption of IEC 61010-2-202, Safety Requirements for Electrical Equipment for Measurement, Control and Laboratory Use - Part 2-202: Particular Requirements for Electrically Operated Valve Actuators (second edition, issued by IEC November 2020) as a new IEC-based UL standard, UL 61010-2-202 with US Differences.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Follow the instructions on the following website to enter comments into the CSDS Work Area: https://csds.ul.com/ProposalAvailable

### ULSE (UL Standards & Engagement)

1603 Orrington Ave, Suite 2000, Evanston, IL 60201 | roger.pareja@ul.org, https://ulse.org/

*Revision*

BSR/UL 2748-202x, Standard for Arcing Fault Quenching Equipment (revision and redesignation of ANSI/UL 2748-2020)
This proposal involves the revision of the First edition of UL 2748 as an American National Standard.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Roger Pareja <roger.pareja@ul.org>

# Comment Deadline: September 2, 2024

### AAFS (American Academy of Forensic Sciences)

410 North 21st Street, Colorado Springs, CO 80904 | tambrosius@aafs.org, www.aafs.org

*Revision*

BSR/ASB BPR 021-202x, Best Practice Recommendation for the Preparation of Test Impressions from Footwear and Tires (revision of ANSI/ASB BPR 021-2019)
This document provides best practice recommendations for forensic science service providers (FSSP), for the preparation of two- and three-dimensional test impressions from known footwear and tires for use in the comparison process. The recommendations in this document are not all inclusive and may not cover all aspects of unusual or uncommon conditions. This document is not intended to replace a professional training program.
Single copy price: Free
Obtain an electronic copy from: Document and comments template can be viewed on the AAFS Standards Board website at: www.aafs.org/academy-standards-board
Send comments (copy psa@ansi.org) to: asb@aafs.org

# Comment Deadline: September 2, 2024

### AAMI (Association for the Advancement of Medical Instrumentation)

901 North Glebe Road, Suite 300, Arlington, VA 22203 | ggolriz@aami.org, www.aami.org

*National Adoption*

BSR/AAMI/ISO 11737-3 202X, Sterilization of health care products - Microbiological Methods - Part 3: Bacterial endotoxin testing (identical national adoption of ISO 11737-3:2023)
This document specifies general criteria to be applied in the determination of bacterial endotoxins on or in health care products, components or raw materials using bacterial endotoxins test (BET) methods, using amebocyte lysate reagents.
Single copy price: Free
Obtain an electronic copy from: standards@aami.org
Send comments (copy psa@ansi.org) to: Gigi Golriz <ggolriz@aami.org>

### ARESCA (American Renewable Energy Standards and Certification Association)

256 Farrell Farm Road, Norwich, VT 05055 | secretary@aresca.us, www.aresca.us

*National Adoption*

BSR/ARESCA 61400-9-202x, Wind energy generation systems - Part 9: Probabilistic design measures for wind turbines (identical national adoption of IEC TS 61400-9:2024)
IEC TS 61400-9 specifies essential requirements to the use of probabilistic design measures in order to ensure the structural and mechanical integrity of wind turbines. The TS is based on the general approach in ISO 2394:2015: General principles for reliability of structures, which also forms the basis for IEC 61400-1, Wind Turbines - Design requirements. In 61400-1, the design verification approach is based on deterministic design using safety factors. However, edition 4 opens for introduction of probabilistic design in an informative annex specifying requirements to the calibration of structural material safety factors and structural design assisted by testing. The new TS supplements 61400-1 by providing appropriate methodologies and requirements for full probabilistic design taking into account specific uncertainties on not only material properties but also on environmental conditions, design models and the degree of validation.
Single copy price: Free
Obtain an electronic copy from: secretary@aresca.us
Send comments (copy psa@ansi.org) to: George Kelly <secretary@aresca.us>

### ARESCA (American Renewable Energy Standards and Certification Association)

256 Farrell Farm Road, Norwich, VT 05055 | secretary@aresca.us, www.aresca.us

*National Adoption*

BSR/ARESCA 61400-60-202x, Wind energy generation systems - Part 60: Validation of computational models (identical national adoption of IEC PAS 61400-60:2024)
A publicly available specification to provide general requirements and guidelines for the validation of computational models as used within the wind industry.
Single copy price: Free
Obtain an electronic copy from: secretary@aresca.us
Send comments (copy psa@ansi.org) to: George Kelly <secretary@aresca.us>

# Comment Deadline: September 2, 2024

### ARESCA (American Renewable Energy Standards and Certification Association)

256 Farrell Farm Road, Norwich, VT 05055 | secretary@aresca.us, www.aresca.us

***National Adoption***

BSR/ARESCA 61400-11-2-202x, Wind energy generation systems - Part 11-2: Measurement of wind turbine noise characteristics in receptor position (identical national adoption of IEC TS 61400-11-2:2024)
IEC TS 61400-11-2:2024 presents measurement procedures, that enable the sound characteristics of a wind turbine to be determined at receptor (immission) locations. This involves using measurement methods appropriate to sound immission assessment at far-field locations of a wind turbine or wind farm. The procedures described are different in some respects from those that would be used for noise assessment from other industrial sound sources in environmental noise impact assessments. The procedures present methodologies that will enable the sound immission and sound characteristics of wind turbines to be described in a consistent and accurate manner.
Single copy price: Free
Obtain an electronic copy from: secretary@aresca.us
Send comments (copy psa@ansi.org) to: George Kelly <secretary@aresca.us>

### ARESCA (American Renewable Energy Standards and Certification Association)

256 Farrell Farm Road, Norwich, VT 05055 | secretary@aresca.us, www.aresca.us

***National Adoption***

BSR/ARESCA 61400-24.1-202x, Amendment 1 - Wind energy generation systems - Part 24: Lightning protection (identical national adoption of IEC 61400-24 AMD1:2024)
It is recommended that wind turbines are equipped with systems capable of detecting lightning, measuring its current components, and processing the parameters of the lightning strikes. The purpose of such systems is to:
- provide information to the operator on the occurrence of lightning strikes to the wind turbine and to give input to operation and maintenance regimes;
- provide valuable data on lightning strikes to wind turbines thus allowing post-assessment of the lightning magnitude/characteristics and contribution to the operator's risk assessment processes;
- enable the operator to compare the measured current parameters of lightning strikes to the lightning protection level, LPL, used for designing the wind turbine lightning protection system (e.g., for assessing if the lightning current intercepted by the LPS is below or above the values defined in Table 1 of IEC 61400-24);
- avoid hazardous activities such as maintenance when there is a risk of lightning strike.
Single copy price: Free
Obtain an electronic copy from: secretary@aresca.us
Send comments (copy psa@ansi.org) to: George Kelly <secretary@aresca.us>

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

180 Technology Parkway, Peachtree Corners, GA 30092 | cjordan@ashrae.org, www.ashrae.org

***Reaffirmation***

BSR/ASHRAE 203 (R202x), Method of Test for Determining Heat Gain of Office Equipment Used in Buildings (reaffirmation of ANSI/ASHRAE Standard 203-2018 (R2021))
(1) PURPOSE: This standard prescribes methods of test to determine the range and average operating heat gains of electrical equipment for use in cooling load calculations.
(2) SCOPE: This standard applies to plug load type electrical equipment used in buildings.
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) to: http://www.ashrae.org/standards-research--technology/public-review-drafts

# Comment Deadline: September 2, 2024

### ATIS (Alliance for Telecommunications Industry Solutions)

1200 G Street, NW, Ste 500, Washington, DC 20005 | masefa@atis.org, www.atis.org

***Revision***

BSR/ATIS 0600003-202x, Battery Enclosures and Rooms/Areas (revision of ANSI/ATIS 0600003-2018)
The purpose of this standard is to develop industry-wide requirements including methods and procedures for the control of battery room and enclosure environments. This includes adequate ventilation of battery-generated gases, the dissipation of battery-generated heat, the control of room and enclosure temperature, the management of battery electrolyte spills, and – in general – the control of any contaminates within the battery room or enclosure.
Single copy price: Free
Obtain an electronic copy from: masefa@atis.org
Send comments (copy psa@ansi.org) to: Mignot Asefa <masefa@atis.org>

### AWWA (American Water Works Association)

6666 W. Quincy Avenue, Denver, CO 80235 | mrohr@awwa.org, www.awwa.org

***Revision***

BSR/AWWA B453-202x, Polyacrylamide (revision of ANSI/AWWA B453-2019)
This standard describes polyacrylamide (PAM) for use in the treatment of potable water, wastewater, and reclaimed water.
Single copy price: Free
Obtain an electronic copy from: ETSsupport@awwa.org
Send comments (copy psa@ansi.org) to: AWWA, Paul J. Olson (polson@awwa.org)

### AWWA (American Water Works Association)

6666 W. Quincy Avenue, Denver, CO 80235 | mrohr@awwa.org, www.awwa.org

***Revision***

BSR/AWWA B703-202x, Fluorosilicic Acid (revision of ANSI/AWWA B703-2019)
This standard describes fluorosilicic acid (H2SiF6) for use in the treatment of potable water.
Single copy price: Free
Obtain an electronic copy from: ETSsupport@awwa.org
Send comments (copy psa@ansi.org) to: AWWA, Paul J. Olson (polson@awwa.org)

### BICSI (Building Industry Consulting Service International)

8610 Hidden River Parkway, Tampa, FL 33637 | jsilveira@bicsi.org, www.bicsi.org

***Revision***

BSR/BICSI 001-202x, Information and Communication Technology Systems Design and Implementation Best Practices for Educational Institutions and Facilities (revision of ANSI/BICSI 001-2017 (R2022))
This standard provides requirements, recommendations, and best practices for the design and implementation of ICT systems and their infrastructure for educational institutions and facilities. Educational facilities include, but are not limited to, public and private educational institutions and facilities serving primary, secondary, and post-secondary levels of education, as well as preschool facilities, vocational training institutions, and specialty training facilities (e.g., teaching hospitals, broadcasting schools).
Single copy price: Free
Obtain an electronic copy from: jsilveira@bicsi.org
Send comments (copy psa@ansi.org) to: Jeff Silveira <jsilveira@bicsi.org>

# Comment Deadline: September 2, 2024

### BICSI (Building Industry Consulting Service International)

8610 Hidden River Parkway, Tampa, FL 33637 | jsilveira@bicsi.org, www.bicsi.org

***Revision***

BSR/BICSI 004-202x, Information and Communication Technology Systems Design and Implementation Best Practices for Healthcare Institutions and Facilities (revision of ANSI/BICSI 004-18-2018)
This Standard specifies design and installation requirements for telecommunications information technology systems within a healthcare building and between healthcare buildings in a campus environment. It defines terms, recommends cabling types and topology while also providing additional useful systems information and guidance on coordination between design and construction disciplines.
Single copy price: Free
Obtain an electronic copy from: jsilveira@bicsi.org
Send comments (copy psa@ansi.org) to: Jeff Silveira <jsilveira@bicsi.org>

### BOMA (Building Owners and Managers Association)

1101 15th Street, NW, Suite 800, Washington, DC 20005 | klor@boma.org, www.boma.org

***Revision***

BSR/BOMA Z65.3-202x, BOMA 2024 for Gross Areas: Methods of Measurement (revision of ANSI/BOMA Z65.3 -2018)
The BOMA Gross Areas Standard was developed in direct response to requests for a floor measurement standard that could be applied to all building types and forms of occupancy office, industrial, retail, multi-unit residential, mixed-use and campus-style facilities. The purpose of the Gross Areas Standard is to provide a comprehensive and consistent methodology for measuring all building types while presenting the data in various ways are useful to the stakeholders of any given property.
Single copy price: $The draft standard is available free of charge.
Obtain an electronic copy from: education@boma.org
Send comments (copy psa@ansi.org) to: Kia Lor <klor@boma.org>

### CSA (CSA America Standards Inc.)

8501 East Pleasant Valley Road, Cleveland, OH 44131-5575 | ansi.contact@csagroup.org, www.csagroup.org

***Reaffirmation***

BSR Z21.17 (R202x), Standard for Domestic Gas Conversion Burners (same as CSA 2.7-M98; CSA 2.7a) (reaffirmation of ANSI Z21.17-1998 (R2019); ANSI Z21.17a-2008 (R2019))
This standard applies to newly produced domestic gas conversion burners constructed entirely of new, unused parts and materials and having input ratings at a normal inlet test pressure of not more than 400,000 Btu per hour(117 228 W). This is for use with natural gas, manufactured gas, mixed gas, with liquefied petroleum gases and LP gas-air mixtures.
Single copy price: Free
Obtain an electronic copy from: ansi.contact@CSAGroup.org
Send comments (copy psa@ansi.org) to: ansi.contact@CSAGroup.org

# Comment Deadline: September 2, 2024

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

18927 Hickory Creek Drive, Suite 220, Mokena, IL 60448 | standards@iapmostandards.org, www.asse-plumbing.org

***Revision***

BSR/ASSE 1004-202x, Backflow Prevention Requirements for Commercial Dishwashing Machines (revision of ANSI/ASSE 1004-2016)
This Standard covers dishwasher drain air gaps with single or multiple inlet ports intended for use-type automatic dishwashers connected to the sanitary waste system, and specifies requirements for materials, physical characteristics, performance testing, and markings. The backflow prevention device shall be (a) An air gap complying with ASME A112.1.3; (b) An atmospheric type vacuum breaker complying with ASSE 1001; (c) A hose connection vacuum breaker complying with ASSE 1011; or (d) A hose connection backflow preventer complying with ASSE 1052. The minimum air gap shall be two (2) times the diameter of the supply orifice, or 1.0 inch (25.4 mm), whichever is larger.
Single copy price: Free
Obtain an electronic copy from: standards@iapmostandards.org
Send comments (copy psa@ansi.org) to: Terry Burger <standards@iapmostandards.org>

### NEMA (ASC C136) (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900, Rosslyn, VA 22209 | Karen.Willis@nema.org, www.nema.org

***Revision***

BSR C136.41-202X, Standard for Roadway and Area Lighting Equipment - Dimming Control Between an External Locking Type Photocontrol and Ballast or Driver (revision of ANSI C136.41-2021)
This standard describes methods of light level control between an external locking type photocontrol (or similar device) and a dimmable ballast or driver for street and area lighting equipment. Mechanical, electrical, and marking requirements are established for dimming, locking type photocontrols, and mating receptacles. All requirements of ANSI C136.10-2010 for photocontrols and receptacles shall apply except where specifically superseded by this standard.
Single copy price: $63.00
Obtain an electronic copy from: Karen.Willis@nema.org
Send comments (copy psa@ansi.org) to: Same

### NEMA (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900, Arlington, VA 22209 | casey.granata@nema.org, www.nema.org

***New Standard***

BSR/NEMA 80047-202X, Basic Application Profile for Fault Location, Isolation, and Service Restoration in a Looped Single Line Feeder (new standard)
Basic Application Profiles provide a framework for multi-vendor interoperability within or between typical substation automation functions. The standard uses Fault location, isolation, and service restoration (FLISR) to conduct a three-phase lockout/isolation of a fault between two vaults.
Single copy price: $75.00
Obtain an electronic copy from: https://www.nema.org/standards/view/basic-application-profile-for-fault-location-isolation-and-service-restoration-in-a-looped-single-line-feeder
Send comments (copy psa@ansi.org) to: Casey Granata <casey.granata@nema.org>

# Comment Deadline: September 2, 2024

### NEMTAC (Non-Emergency Medical Transportation Accreditation Commission)

2307 S Rural Road, Tempe, AZ 85282 | phicks@nemtac.co, www.nemtac.co

*New Standard*

BSR/NEMTAC 1001-202X, Levels of Service (new standard)
The purpose of the definitions outlined in this standard are designed to apply to all areas of non-emergency medical transportation (NEMT) from transportation provider, through brokers, payors, and regulators to ensure the consistency of language used across the industry.
Single copy price: Free
Send comments (copy psa@ansi.org) to: https://nemtac.co/standards/

### NEMTAC (Non-Emergency Medical Transportation Accreditation Commission)

2307 S Rural Road, Tempe, AZ 85282 | phicks@nemtac.co, www.nemtac.co

*New Standard*

BSR/NEMTAC 1006-202X, Standard for Passenger Verification in Lieu of Signature (new standard)
NEMTAC recognizes the necessity of adopting technological methods for verifying passenger transport instead of relying on a physical signature. The COVID-19 pandemic highlighted the widespread use of alternative signature collection methods, leading to more precise verification of passenger identity during transportation services. This initiative aims to set a technology standard for confirming the pick-up and drop-off of passengers at designated locations for NEMT trips.
Single copy price: Free
Obtain an electronic copy from: www.NEMTAC.co/standards
Send comments (copy psa@ansi.org) to: https://nemtac.co/standards/

### NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | ajump@nsf.org, www.nsf.org

*Revision*

BSR/NSF/CAN 61-202x (i180r2), Drinking Water System Components - Health Effects (revision of ANSI/NSF/CAN 61-2023)
This standard is intended to cover specific materials or products that come into contact with: drinking water, drinking water treatment chemicals, or both. The focus of the standard is evaluation of contaminants or impurities imparted indirectly to drinking water.
Single copy price: Free
Obtain an electronic copy from: https://standards.nsf.org/higherlogic/ws/public/download/75821/61i180r2%20-%20PFAS%20-%20JC%20memo%20%26%20ballot.pdf
Send comments (copy psa@ansi.org) to: Amy Jump <ajump@nsf.org>

### SDI (Steel Deck Institute)

1731 NW 6th Street, Suite D, Gainesville, FL 32609 | tsputo50@gmail.com, www.sdi.org

*New Standard*

BSR/SDI AISI S920-202x, Test Standard for Screw Penetration Through Gypsum Board Into Nonstructural Cold-Formed Steel Framing Members (new standard)
This Standard applies to nonstructural cold-formed steel framing members to provide a means to verify the member has enough strength to pull the head of the drywall screw below the surface of the gypsum board paper face without screw spin-out.
Single copy price: Free
Obtain an electronic copy from: tsputo50@gmail.com
Send comments (copy psa@ansi.org) to: Same

# Comment Deadline: September 2, 2024

**SDI (Steel Deck Institute)**
1731 NW 6th Street, Suite D, Gainesville, FL 32609 | tsputo50@gmail.com, www.sdi.org

***Reaffirmation***

BSR/SDI AISI S901 (R202x), Test Standard for Determining the Rotational-Lateral Stiffness of Beam-to-Panel Assemblies (reaffirmation of ANSI/AISI S901-2017)
This is a test standard to determine the rotational-lateral stiffness of beam-to-panel assemblies. The test method is used primarily in determining the strength of beams connected to panels as part of a structural assembly.
Single copy price: Free
Obtain an electronic copy from: tsputo50@gmail.com
Send comments (copy psa@ansi.org) to: Same

**SDI (Steel Deck Institute)**
1731 NW 6th Street, Suite D, Gainesville, FL 32609 | tsputo50@gmail.com, www.sdi.org

***Reaffirmation***

BSR/SDI AISI S903 (R202x), Test Standard for Determining the Uniform and Local Ductility of Carbon and Low-Alloy Steels (reaffirmation of ANSI/AISI S903-2020)
This test standard provides test methods for determination of uniform and local ductility of carbon and low-alloy steels from a tension test.
Single copy price: Free
Obtain an electronic copy from: tsputo50@gmail.com
Send comments (copy psa@ansi.org) to: Same

**SDI (Steel Deck Institute)**
1731 NW 6th Street, Suite D, Gainesville, FL 32609 | tsputo50@gmail.com, www.sdi.org

***Reaffirmation***

BSR/SDI AISI S904 (R202x), Test Standard for Determining the Tensile and Shear Strengths of Steel Screws (reaffirmation of ANSI/AISI S904-2017)
The performance test methods included in this standard establish procedures for conducting tests to determine the tensile and shear strength of steel screws. The screws may be carbon, stainless or bi-metal thread-forming or thread-cutting screws, with or without a self-drilling point, and with or without washers. The intended application for these screws is to connect cold-formed sheet steel materials.
Single copy price: Free
Obtain an electronic copy from: tsputo50@gmail.com
Send comments (copy psa@ansi.org) to: Same

**SDI (Steel Deck Institute)**
1731 NW 6th Street, Suite D, Gainesville, FL 32609 | tsputo50@gmail.com, www.sdi.org

***Reaffirmation***

BSR/SDI AISI S906 (R202x), Test Standard for Determining the Load-Carrying Strength of Panels and Anchor-to-Panel Attachments for Roof or Siding Systems Tested in Accordance with ASTM E1592 (reaffirmation of ANSI/AISI S906-2017)
This test procedure extends and provides methodology for interpretation of results of tests performed according to ASTM E1592.
Single copy price: Free
Obtain an electronic copy from: tsputo50@gmail.com
Send comments (copy psa@ansi.org) to: Same

# Comment Deadline: September 2, 2024

**SDI (Steel Deck Institute)**
1731 NW 6th Street, Suite D, Gainesville, FL 32609 | tsputo50@gmail.com, www.sdi.org

***Reaffirmation***

BSR/SDI AISI S907 (R202x), Test Standard for Determining the Strength and Stiffness of Cold-Formed Steel Diaphragms by the Cantilever Test Method (reaffirmation of ANSI/AISI S907-2017)
This standard applies to framed cold-formed steel panel floor, roof and wall diaphragm construction and provides requirements for static and cyclic testing of floor, roof and wall diaphragm assemblies.
Single copy price: Free
Obtain an electronic copy from: tsputo50@gmail.com
Send comments (copy psa@ansi.org) to: Same

**SDI (Steel Deck Institute)**
1731 NW 6th Street, Suite D, Gainesville, FL 32609 | tsputo50@gmail.com, www.sdi.org

***Reaffirmation***

BSR/SDI AISI S908 (R202x), Test Standard for Determining the Flexural Strength Reduction Factor of Purlins Supporting a Standing Seam Roof System (reaffirmation of ANSI/AISI S908-2017)
This test standard is to obtain the reduction factor to be used in determining the nominal flexural strength of a purlin supporting a standing seam roof system.
Single copy price: Free
Obtain an electronic copy from: tsputo50@gmail.com
Send comments (copy psa@ansi.org) to: Same

**SDI (Steel Deck Institute)**
1731 NW 6th Street, Suite D, Gainesville, FL 32609 | tsputo50@gmail.com, www.sdi.org

***Reaffirmation***

BSR/SDI AISI S909 (R202x), Test Standard for Determining the Web Crippling Strength of Cold-Formed Steel Flexural Members (reaffirmation of ANSI/AISI S909-2017)
This performance test method establishes procedures for conducting tests to determine the web crippling strength of cold-formed steel flexural members.
Single copy price: Free
Obtain an electronic copy from: tsputo50@gmail.com
Send comments (copy psa@ansi.org) to: Same

**SDI (Steel Deck Institute)**
1731 NW 6th Street, Suite D, Gainesville, FL 32609 | tsputo50@gmail.com, www.sdi.org

***Reaffirmation***

BSR/SDI AISI S910 (R202x), Test Standard for Determining the Distortional Buckling Strength of Cold-Formed Steel Hat-Shaped Compression Members (reaffirmation of ANSI/AISI S910-2017)
This test method establishes procedures for determining the nominal distortional buckling strength of cold-formed steel compression members with a hat-shaped cross-section.
Single copy price: Free
Obtain an electronic copy from: tsputo50@gmail.com
Send comments (copy psa@ansi.org) to: Same

# Comment Deadline: September 2, 2024

**SDI (Steel Deck Institute)**
1731 NW 6th Street, Suite D, Gainesville, FL 32609 | tsputo50@gmail.com, www.sdi.org

***Reaffirmation***

BSR/SDI AISI S911 (R202x), Test Standard for Determining the Flexural Strength of Cold-Formed Steel Hat-Shaped Members (reaffirmation of ANSI/AISI S911-2017)
This test standard establishes a test method for determining the nominal flexural strength of an open hat-shaped cross-section subject to negative bending moment.
Single copy price: Free
Obtain an electronic copy from: tsputo50@gmail.com
Send comments (copy psa@ansi.org) to: Same

**SDI (Steel Deck Institute)**
1731 NW 6th Street, Suite D, Gainesville, FL 32609 | tsputo50@gmail.com, www.sdi.org

***Reaffirmation***

BSR/SDI AISI S913 (R202x), Test Standard for Determining the Strength and Deformation Behavior of Hold-Downs Attached to Cold-Formed Steel Structural Framing (reaffirmation of ANSI/AISI S913-2017)
This standard provides two methods to determine both the strength and deformation behavior of hold-downs used in cold-formed steel light-frame construction. One of the test methods is to determine the strength and deformation behavior of the hold-down device and the other test method is to determine the strength and deformation behavior of the hold-down assembly.
Single copy price: Free
Obtain an electronic copy from: tsputo50@gmail.com
Send comments (copy psa@ansi.org) to: Same

**SDI (Steel Deck Institute)**
1731 NW 6th Street, Suite D, Gainesville, FL 32609 | tsputo50@gmail.com, www.sdi.org

***Reaffirmation***

BSR/SDI AISI S914 (R202x), Test Standard for Determining the Strength and Deformation Behavior of Joist Connectors Attached to Cold-Formed Steel Structural Framing (reaffirmation of ANSI/AISI S914-2017)
This standard provides a method to determine both the strength and deformation behavior of joist connectors used in cold-formed steel light-frame construction.
Single copy price: Free
Obtain an electronic copy from: tsputo50@gmail.com
Send comments (copy psa@ansi.org) to: Same

**SDI (Steel Deck Institute)**
1731 NW 6th Street, Suite D, Gainesville, FL 32609 | tsputo50@gmail.com, www.sdi.org

***Reaffirmation***

BSR/SDI AISI S915 (R202x), Test Standard for Determining the Strength and Deformation Behavior of Through-the-Web Punchout Cold-Formed Steel Wall Stud Bridging Connectors (reaffirmation of ANSI/AISI S915-2020)
This test standard provides the methodology to determine the strength and deformation behavior of through-the-web punchout bridging connectors for cold-formed steel wall stud bracing for nonstructural and structural wall studs in light-frame construction.
Single copy price: Free
Obtain an electronic copy from: tsputo50@gmail.com
Send comments (copy psa@ansi.org) to: Same

# Comment Deadline: September 2, 2024

**SDI (Steel Deck Institute)**

1731 NW 6th Street, Suite D, Gainesville, FL 32609 | tsputo50@gmail.com, www.sdi.org

***Reaffirmation***

BSR/SDI AISI S916 (R202x), Test Standard for Determining the Strength and Stiffness of Cold-Formed Steel-Framed Nonstructural Interior Partition Walls Sheathed with Gypsum Board (reaffirmation of ANSI/AISI S916-2020)
This test standard establishes a rational method of determining the strength and stiffness of nonstructural interior partition wall assemblies framed with cold-formed steel.
Single copy price: Free
Obtain an electronic copy from: tsputo50@gmail.com
Send comments (copy psa@ansi.org) to: Same

**SDI (Steel Deck Institute)**

1731 NW 6th Street, Suite D, Gainesville, FL 32609 | tsputo50@gmail.com, www.sdi.org

***Reaffirmation***

BSR/SDI AISI S917 (R202x), Test Standard for Determining the Fastener-Sheathing Local Translational Stiffness of Sheathed Cold-Formed Steel Assemblies (reaffirmation of ANSI/AISI S917-2017)
This test standard applies for the determination of the local lateral stiffness supplied by sheathing, fastened to cold-formed steel members.
Single copy price: Free
Obtain an electronic copy from: tsputo50@gmail.com
Send comments (copy psa@ansi.org) to: Same

**SDI (Steel Deck Institute)**

1731 NW 6th Street, Suite D, Gainesville, FL 32609 | tsputo50@gmail.com, www.sdi.org

***Reaffirmation***

BSR/SDI AISI S918 (R202x), Test Standard for Determining the Fastener-Sheathing Rotational Stiffness of Sheathed Cold-Formed Steel Assemblies (reaffirmation of ANSI/AISI S918-2017)
This standard applies for the determination of rotational restraint supplied by sheathing, fastened to cold-formed steel members.
Single copy price: Free
Obtain an electronic copy from: tsputo50@gmail.com
Send comments (copy psa@ansi.org) to: Same

**SDI (Steel Deck Institute)**

1731 NW 6th Street, Suite D, Gainesville, FL 32609 | tsputo50@gmail.com, www.sdi.org

***Reaffirmation***

BSR/SDI AISI S919 (R202x), Test Standard for Determining the Flexural Strength and Stiffness of Cold-Formed Steel Nonstructural Members (reaffirmation of ANSI/AISI S919-2017)
This test standard provides the test procedure for determining the nominal flexural strength and stiffness of nonstructural cold-formed steel framing members.
Single copy price: Free
Obtain an electronic copy from: tsputo50@gmail.com
Send comments (copy psa@ansi.org) to: Same

# Comment Deadline: September 2, 2024

**SDI (Steel Deck Institute)**
1731 NW 6th Street, Suite D, Gainesville, FL 32609 | tsputo50@gmail.com, www.sdi.org

***Reaffirmation***

BSR/SDI AISI S921 (R202x), Test Standard for Determining the Strength and Stiffness of Cold-Formed Steel Truss Assemblies and Components (reaffirmation of ANSI/AISI S921-2019)
This test standard establishes procedures for confirmatory and performance tests for the strength and stiffness of cold-formed steel trusses. The standard is applicable to roof and floor trusses. It can be used for laboratory or in situ testing.
Single copy price: Free
Obtain an electronic copy from: tsputo50@gmail.com
Send comments (copy psa@ansi.org) to: Same

**SDI (Steel Deck Institute)**
1731 NW 6th Street, Suite D, Gainesville, FL 32609 | tsputo50@gmail.com, www.sdi.org

***Reaffirmation***

BSR/SDI AISI S922 (R202x), Test Standard for Determining the Strength and Stiffness of Bearing-Friction Interference Connector Assemblies in Profiled Steel Panels (reaffirmation of ANSI/AISI S922-2019)
This test standard provides a test method for determining the strength and stiffness performance of bearing-friction interference connector assemblies installed in cold-formed profiled steel panels including steel deck and steel deck-slabs.
Single copy price: Free
Obtain an electronic copy from: tsputo50@gmail.com
Send comments (copy psa@ansi.org) to: Same

**SDI (Steel Deck Institute)**
1731 NW 6th Street, Suite D, Gainesville, FL 32609 | tsputo50@gmail.com, www.sdi.org

***Reaffirmation***

BSR/SDI AISI S924 (R202x), Test Standard for Determining the Effective Flexural Stiffness of Composite Members (reaffirmation of ANSI/AISI S924-2020)
This test standard provides a test method for determining the flexural stiffness of composite members formed by steel deck filled with concrete.
Single copy price: Free
Obtain an electronic copy from: tsputo50@gmail.com
Send comments (copy psa@ansi.org) to: Same

**SDI (Steel Deck Institute)**
1731 NW 6th Street, Suite D, Gainesville, FL 32609 | tsputo50@gmail.com, www.sdi.org

***Revision***

BSR/SDI AISI S100-202x, North American Specification for the Design of Cold-Formed Steel Structural Members (revision of ANSI/AISI S100-2016 (R2020)/S3-2022)
This new edition incorporates approved revisions and additions used for cold-formed steel member and connection design.
Single copy price: Free
Obtain an electronic copy from: tsputo50@gmail.com
Send comments (copy psa@ansi.org) to: Same

# Comment Deadline: September 2, 2024

### SDI (Steel Deck Institute)

1731 NW 6th Street, Suite D, Gainesville, FL 32609 | tsputo50@gmail.com, www.sdi.org

***Revision***

BSR/SDI AISI S902-202x, Test Standard for Determining the Effective Area of Cold-Formed Steel Compression Members (revision of ANSI/AISI S902-2017)
This test method covers the determination of the effective cross-sectional area of cold-formed steel columns. It primarily considers the effects of local buckling and residual stresses and is applied to solid or perforated columns that have holes (or hole patterns) in the flat and/or
curved elements of the cross-section.
Single copy price: Free
Obtain an electronic copy from: tsputo50@gmail.com
Send comments (copy psa@ansi.org) to: Same

### SDI (Steel Deck Institute)

1731 NW 6th Street, Suite D, Gainesville, FL 32609 | tsputo50@gmail.com, www.sdi.org

***Revision***

BSR/SDI AISI S905-202x, Test Standard for Determining the Strength and Deformation Characteristics of Cold-Formed Steel Connections (revision of ANSI/AISI S905-2017)
This standard applies to performance test methods to determine the strength and deformation characteristics of mechanically fastened and welded connections for cold-formed steel building components. Connections that are stressed in shear (loads applied perpendicular to the shank or cross-section of the fastener, or in plane with the connection faying surfaces) and connections that are stressed in tension (loads applied parallel to the shank or cross-section of the fastener, or perpendicular to the connection faying surfaces) and the interaction effects on connections are included.
Single copy price: Free
Obtain an electronic copy from: tsputo50@gmail.com
Send comments (copy psa@ansi.org) to: Same

### SDI (Steel Deck Institute)

1731 NW 6th Street, Suite D, Gainesville, FL 32609 | tsputo50@gmail.com, www.sdi.org

***Revision***

BSR/SDI AISI S912-202x, Test Standard for Determining the Strength of a Roof Panel-to-Purlin-to-Anchorage Device Connection (revision of ANSI/AISI S912-2017)
The purpose of this test standard is to obtain lower bound strength values for the roof panel-to-purlin-to-anchorage device connections in through-fastened and standing seam, multi-span, multi-purlin line roof systems. The test is not intended to determine the ultimate strength of the connections.
Single copy price: Free
Obtain an electronic copy from: tsputo50@gmail.com
Send comments (copy psa@ansi.org) to: Same

# Comment Deadline: September 2, 2024

### SDI (Steel Deck Institute)

1731 NW 6th Street, Suite D, Gainesville, FL 32609 | tsputo50@gmail.com, www.sdi.org

***Revision***

BSR/SDI AISI S923-202x, Test Standard for Determining the Strength and Stiffness of Shear Connection in Composite Members (revision of ANSI/AISI S923-2020)
This test standard determines the strength and stiffness of shear connections in composite members through testing.
Single copy price: Free
Obtain an electronic copy from: tsputo50@gmail.com
Send comments (copy psa@ansi.org) to: Same

### SEIA (Solar Energy Industries Association)

1425 K Street, NW, Suite 1000, Washington 20005 | jmartin@seia.org, www.seia.org

***New Standard***

BSR/SEIA 201-202x, Solar and Energy Storage Installation Requirements Standard: Residential and Small Commercial Systems (new standard)
This standard sets forth criteria for the design and installation of (1) residential and small commercial utility-interactive solar photovoltaic systems, (2) stand-alone energy storage systems, and (3) energy storage systems connected to solar photovoltaic systems. This includes all parts of the photovoltaic array, balance of system, microgrids, and energy storage. This standard also includes Contractor and Finance Provider qualifications, quality control and management, and inspection processes.
Single copy price: $150.00 [SEIA association basic members (other prices depend on membership level)] and $200.00 (non-SEIA members); Electronic version is free for viewing on-line at SEIAs standards website.
Obtain an electronic copy from: https://www.seia.org/initiatives/standards-development
Send comments (copy psa@ansi.org) to: standards@seia.org

### ULSE (UL Standards & Engagement)

12 Laboratory Dr, Research Triangle Park, NC 27709 | theodore.shieff@ul.org, https://ulse.org/

***New Standard***

BSR/UL 4740-202x, Standard for Safety for Lidar and Lidar Systems Used in Vehicles (new standard)
This Standard covers vehicle LiDAR and LiDAR systems rated 12 Vdc and 24 Vdc. The LiDAR and LiDAR systems' ability to safely withstand simulated abuse conditions will be evaluated based upon the manufacturer's specified parameters of use. The non-safety performance of these devices will not be evaluated. This Standard includes requirements for the evaluation of LiDAR and LiDAR systems concerning mechanical safety, electrical safety, optical radiation safety, cybersecurity and functional safety. This Standard does not cover host equipment or actions or operations of a host equipment platform employing LiDAR or LiDAR systems.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/ProposalAvailable
Send comments (copy psa@ansi.org) to: https://csds.ul.com/ProposalAvailable

# Comment Deadline: September 2, 2024

### ULSE (UL Standards & Engagement)

1603 Orrington Ave, Suite 2000, Evanston, IL 60201 | Heather.Sakellariou@ul.org, https://ulse.org/

***Revision***

BSR/UL 588-202x, Standard for Safety for Seasonal and Holiday Decorative Products (revision of ANSI/UL 588 -2023)
The following changes in requirements are being proposed for review: (1) Additional Standard References as Options for LED drivers; (2) Clarification of Requirements in 22.2.1.2 to require the small-scale flame test for series-connected lampholders in 22.2.1.2C; (3) Additional Option for Determining Maximum Surface Temperature of Seasonal-Lighting Lamps in SA9.4; (4) Cord Tag Marking Exception for Temporary Product Requirements for Class 2 LED Lighting Strings; (5) Introduction of New Requirements for Button or Coin Cell Batteries in Accordance with UL 4200A; (6) Add "lanterns" to Scope paragraph 1.2 in order to correlate with Bureau of Philippine Standards adoption of the Standard for Safety for Seasonal and Holiday Lighting, UL 588; (7) Add reference to the Standard for Safety for Decorative Lighting Cords, UL 6288, in 13.2.1; (8) Correction of Typographical error for CXTW-EX in 13.2.4; (9) Addition of Cord Connector Option for Commercial Use Lighting Strings; (10) Consolidation of Class 2 and Battery-Operated Products; (11) Addition of Caution Marking Class 2 Power Supply Products Connected to Receptacles Controlled by a Dimmer in 125.11.3.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/ProposalAvailable
Send comments (copy psa@ansi.org) to: https://csds.ul.com/ProposalAvailable

### ULSE (UL Standards & Engagement)

1603 Orrington Ave, Suite 2000, Evanston, IL 60201 | roger.pareja@ul.org, https://ulse.org/

***Revision***

BSR/UL 891-202x, Standard for Switchboards (revision of ANSI/UL 891-2019)
This purpose of this revision is to revise the 12th edition of UL 891 and approve as an standard.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/Home/ProposalsDefault.aspx
Send comments (copy psa@ansi.org) to: Roger Pareja <roger.pareja@ul.org>

### ULSE (UL Standards & Engagement)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | marina.currie@ul.org, https://ulse.org/

***Revision***

BSR/UL 2108-202x, Standard for Safety for Low Voltage Lighting Systems (revision of ANSI/UL 2108-2023)
(1) Electrical spacings for exposed bare conductors; (2) Fuse temperature limit; (3) Marking for cabinet and under-cabinet products; (4) Marking for recessed products; (5) Part I requirements applicable to Part II luminaires; (6) Mounting means options for Class 2 luminaires; (7) Supply Connections; (8) Luminaire Drop Impact Test; (9) UL 1598 requirements applicable to non-Class 2 luminaires; (10) Lithium battery charging voltage limit; (11) Editorial updates.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/ProposalAvailable
Send comments (copy 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: September 17, 2024

### ANS (American Nuclear Society)

1111 Pasquinelli Drive, Suite 350, Westmont, IL 60559 | kmurdoch@ans.org, www.ans.org

*New Standard*

BSR/ANS 19.13-202x, Initial Fuel Loading and Startup Tests for FOAK Advanced Reactors (new standard)
This standard will provide best practices for reactor startup of First-of-a-Kind (FOAK) Advanced Reactors (AR) to confirm basic safety, operational, and fundamental property data for technical and safety specifications. The standard will also provide guidance leveraging startup procedures to support software validation methods to retire the operational and regulatory risk associated with the validation performed during reactor design. Best practices for startup of heritage reactors and modern light water reactors (LWR) will be assimilated into generic recommended startup procedures for future FOAK-ARs. This standard will provide traceability between such recommended best practices and the identified key datasets. It will thus allow auditing the methodology of new FOAK ARs.
Single copy price: $25.00
Obtain an electronic copy from: orders@ans.org
Order from: orders@ans.org
Send comments (copy psa@ansi.org) to: Patricia Schroeder <pschroeder@ans.org>

### IEEE (Institute of Electrical and Electronics Engineers)

445 Hoes Lane, Piscataway, NJ 08854-4141 | s.merten@ieee.org, www.ieee.org

*New Standard*

BSR/IEEE 2426-202x, Guide for Field Measurement of Fast-Front and Very Fast-Front Overvoltages in Electric Power System - Part 1: Measuring techniques (new standard)
The definition, formation, and characteristics of fast-front and very fast-front overvoltages are introduced. The various measuring techniques, including technical details that may be adopted for field application, are also described. Field measurement results measured in this guide are included for reference.
Single copy price: $7.00
Obtain an electronic copy from: https://store.accuristech.com/standards/ieee-p2426?product_id=2574434#jumps
Order from: https://store.accuristech.com/
Send comments (copy psa@ansi.org) to: Suzanne Merten <s.merten@ieee.org>

### IEEE (Institute of Electrical and Electronics Engineers)

445 Hoes Lane, Piscataway, NJ 08854-4141 | s.merten@ieee.org, www.ieee.org

*New Standard*

BSR/IEEE 3333.1.2-202x, Approved Draft Standard for the Perceptual Quality Assessment of Three Dimensional (3D), Ultra High Definition (UHD) and High Dynamic Range (HDR) Contents (new standard)
The world is witnessing a rapid advance in Stereoscopic 3D, and Ultra high definition (UHD) technology. As a result, the need for accurate quality and visual comfort assessment techniques to foster the display device industry as well as signal processing area. In this standard, thorough assessments with respect to the human visual system (HVS) for S3D and UHD contents shall be presented. Moreover, several image and video databases are also publicly provided for any research purpose.
Single copy price: $9.00
Obtain an electronic copy from: https://store.accuristech.com/standards/ieee-p3333-1-2?product_id=2255563
Order from: https://store.accuristech.com/
Send comments (copy psa@ansi.org) to: Suzanne Merten <s.merten@ieee.org>

# Comment Deadline: September 17, 2024

### IEEE (Institute of Electrical and Electronics Engineers)

445 Hoes Lane, Piscataway, NJ 08854-4141 | s.merten@ieee.org, www.ieee.org

***Revision***

BSR/IEEE 1680.3-202x, Standard for Environmental Assessment of Televisions (revision of ANSI/IEEE 1680.3 -2012)
A clear and consistent set of environmental performance criteria for the design of televisions is established, providing an opportunity for manufacturers to secure market recognition for efforts to reduce the environmental impact of electronic products. This standard is also intended to provide a tool for government, institutional, corporate, and consumer purchasers to identify products that demonstrate environmental leadership. This standard is intended to be updated and revised on a periodic basis to continue to set a higher performance standard for leadership products.
Single copy price: $8.00
Obtain an electronic copy from: https://store.accuristech.com/standards/ieee-1680-3-2024?product_id=2574124
Order from: https://store.accuristech.com/
Send comments (copy psa@ansi.org) to: Suzanne Merten <s.merten@ieee.org>

### ULSE (UL Standards & Engagement)

100 Queen Street, Suite 1040, Ottawa, ON K1P 1J9 Canada | sabrina.khrebtov@ul.org, https://ulse.org/

***Revision***

BSR/UL 1424-202X, Standard for Safety for Cables for Power-Limited Fire-Alarm Circuits (revision of ANSI/UL 1424-2020)
Proposed New 5th Edition of the Standard for Safety for Cables for Power-Limited Fire-Alarm Circuits
Single copy price: Free
Order from: csds.ul.com/home/proposalsdefault.aspx
Send comments (copy psa@ansi.org) to: https://csds.ul.com/Home/ProposalsDefault.aspx Follow the instructions in the following website to enter comments into the CSDS Work Area: 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:

### AAFS (American Academy of Forensic Sciences)

410 North 21st Street, Colorado Springs, CO 80904 | tambrosius@aafs.org, www.aafs.org

BSR/ASB BPR 012-202x, Best Practice Recommendation for Articulating a Source Identification in Friction Ridge Examinations (new standard)
Send comments (copy psa@ansi.org) to: Teresa Ambrosius <tambrosius@aafs.org>

### ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 | accreditation@astm.org, www.astm.org

BSR/ASTM F1882-202x, Specification for Residential Basketball Systems (revision of ANSI/ASTM F1882-2015)
Send comments (copy psa@ansi.org) to: Lauren Daly <accreditation@astm.org>

# Project Withdrawn

### ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 | accreditation@astm.org, www.astm.org

BSR/ASTM F1882-202x, Specification for Residential Basketball Systems (revision of ANSI/ASTM F1882-2015)
Send comments (copy psa@ansi.org) to: Corice Leonard <accreditation@astm.org>

### ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 | accreditation@astm.org, www.astm.org

BSR/ASTM F1882-202x, Specification for Residential Basketball Systems (revision of ANSI/ASTM F1882-2015)
Send comments (copy psa@ansi.org) to: Lauren Daly <accreditation@astm.org>

# Withdrawal of an ANS by ANSI-Accredited Standards Developer

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

### ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 | accreditation@astm.org, www.astm.org

ANSI/ASTM F1882-2015, Specification for Residential Basketball Systems (revision of ANSI/ASTM F1882-2006 (R2014))
Send comments (copy psa@ansi.org) to: Questions may be directed to: Lauren Daly <accreditation@astm.org>

### CTA (Consumer Technology Association)

1919 South Eads Street, Arlington, VA 22202 | cakers@cta.tech, www.cta.tech

ANSI/CTA 2045.2 Amd 1-2018, MCI for Generic Display Message Set (addenda to ANSI/CTA 2045.2-2014)
Send comments (copy psa@ansi.org) to: Questions may be directed to: Catrina Akers <cakers@cta.tech>

### CTA (Consumer Technology Association)

1919 South Eads Street, Arlington, VA 22202 | cakers@cta.tech, www.cta.tech

ANSI/CTA 2017-A-2010 (R2016), Common Interconnection for Portable Media Players (reaffirmation of ANSI/CTA 2017-A-2010)
Send comments (copy psa@ansi.org) to: Questions may be directed to: Catrina Akers <cakers@cta.tech>

# Final Actions on American National Standards

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

## AAFS (American Academy of Forensic Sciences)

410 North 21st Street, Colorado Springs, CO 80904 | tambrosius@aafs.org, www.aafs.org

ANSI/ASB Std 148-2024, Standard for Personal Identification in Forensic Anthropology (new standard) Final Action Date: 7/15/2024 | *New Standard*

ANSI/ASB Std 175-2024, Standard for Interpreting and Reporting DNA Test Results Associated with Failed Controls and Contamination Events (new standard) Final Action Date: 7/15/2024 | *New Standard*

## AAMI (Association for the Advancement of Medical Instrumentation)

901 N. Glebe Road, Arlington, VA 22203 | mmiskell@aami.org, www.aami.org

ANSI/AAMI/ISO 11607-1-2024/A1, Packaging for terminally sterilized medical devices - Part 1: Requirements for materials, sterile barrier systems and packaging systems - Amendment 1 (identical national adoption of ISO 11607 -1:2019/Amd 1:2023) Final Action Date: 7/15/2024 | *National Adoption*

ANSI/AAMI/ISO 11607-2-2024/A1, Packaging for terminally sterilized medical devices - Part 2: Validation requirements for forming, sealing and assembly processes - Amendment 1 (identical national adoption of ISO 11607-2:2019/Amd 1:2023) Final Action Date: 7/15/2024 | *National Adoption*

## ABYC (American Boat and Yacht Council)

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

ANSI/ABYC A-22-2024, Compressed Natural Gas (CNG) Systems (revision of ANSI/ABYC A-22-2018) Final Action Date: 7/9/2024 | *Revision*

## AMCA (Air Movement and Control Association)

30 West University Drive, Arlington Heights, IL 60004-1893 | jbrooks@amca.org, www.amca.org

ANSI/AMCA 300-2024, Reverberation Room Methods of Sound Testing of Fans (revision of ANSI/AMCA Standard 300 -2014) Final Action Date: 7/15/2024 | *Revision*

## ASME (American Society of Mechanical Engineers)

Two Park Avenue, 6th Floor, New York, NY 10016-5990 | ansibox@asme.org, www.asme.org

ANSI/ASME B31.3-2024, Process Piping (revision of ANSI/ASME B31.3-2022) Final Action Date: 7/9/2024 | *Revision*

ANSI/ASME QEI-1-2024, Standard for the Qualification of Elevator Inspectors (revision of ANSI/ASME QEI-1-2018) Final Action Date: 7/9/2024 | *Revision*

## ATIS (Alliance for Telecommunications Industry Solutions)

1200 G Street NW, Suite 500, Washington, DC 20005 | akarditzas@atis.org, www.atis.org

ANSI/ATIS 1000065-2024, Emergency Telecommunications Service (ETS) Evolved Packet Core (EPC) Network Element Requirements (revision of ANSI/ATIS 1000065-2015 (R2020)) Final Action Date: 7/15/2024 | *Revision*

## AWI (Architectural Woodwork Institute)

46179 Westlake Drive, Suite 120, Potomac Falls, VA 20165-5874 | cdermyre@awinet.org, www.awinet.org

ANSI/AWI 0642-2024, Wood Paneling (new standard) Final Action Date: 7/14/2024 | *New Standard*

## AWI (Architectural Woodwork Institute)

46179 Westlake Drive, Suite 120, Potomac Falls, VA 20165-5874 | cdermyre@awinet.org, www.awinet.org

ANSI/AWI 1235-2024, Specialty Casework (new standard) Final Action Date: 7/14/2024 | *New Standard*

ANSI/AWI 0620-2024, Finish Carpentry/Installation (revision of ANSI/AWI 0620-2018) Final Action Date: 7/14/2024 | *Revision*

## AWWA (American Water Works Association)

6666 W. Quincy Avenue, Denver, CO 80235 | mrohr@awwa.org, www.awwa.org

ANSI/AWWA C502-2024, Dry-Barrel Fire Hydrants (revision of ANSI/AWWA C502-2018) Final Action Date: 7/15/2024 | *Revision*

## CSA (CSA America Standards Inc.)

8501 East Pleasant Valley Road, Cleveland, OH 44131-5575 | ansi.contact@csagroup.org, www.csagroup.org

ANSI/CSA CHMC 2 (R2024), Test methods for evaluating material compatibility in compressed hydrogen applications - Polymers (reaffirmation of ANSI/CHMC 2-2019) Final Action Date: 7/9/2024 | *Reaffirmation*

## EOS/ESD (ESD Association, Inc.)

218 W. Court Street, Rome, NY 13440 | jkirk@esda.org, https://www.esda.org

ANSI/EOS ESD SP5.1.4-2024, ESD Association Standard Practice for Electrostatic Discharge Sensitivity Testing - Human Body Model (HBM) Testing - Device Level - A Method for Random Sampling of Power Pins (new standard) Final Action Date: 7/9/2024 | *New Standard*

## IEEE (Institute of Electrical and Electronics Engineers)

445 Hoes Lane, Piscataway, NJ 08854 | k.evangelista@ieee.org, www.ieee.org

ANSI/IEEE C57.12.20-2024, Standard for Overhead-Type Distribution Transformers 500 kVA and Smaller; High Voltage, 34 500 V and Below; Low Voltage, 7970/13 800Y V and Below (new standard) Final Action Date: 7/9/2024 | *New Standard*

ANSI/IEEE C57.12.24-2024, Standard for Submersible, Three-Phase Transformers, 3750 kVA and Smaller: High Voltage, 34 500 GrdY/19 920 Volts and Below; Low Voltage, 600 Volts and Below (revision of ANSI/IEEE C57.12.24-2016) Final Action Date: 7/15/2024 | *Revision*

## NEMA (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900, Arlington, VA 22209 | casey.granata@nema.org, www.nema.org

ANSI/NEMA 10250-2024, Enclosures for Electrical Equipment (1000 Volts Maximum) (revision and redesignation of ANSI/NEMA 250-2020) Final Action Date: 7/14/2024 | *Revision*

## NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | rbrooker@nsf.org, www.nsf.org

ANSI/NSF 455-4-2024 (i47r1), Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4 -2022) Final Action Date: 6/29/2024 | *Revision*

ANSI/NSF/CAN 61-2024 (i176r1), Drinking Water System Components - Health Effects (revision of ANSI/NSF/CAN 61 -2023) Final Action Date: 7/9/2024 | *Revision*

ANSI/NSF/CAN 61-2024 (i177r1), Drinking Water System Components - Health Effects (revision of ANSI/NSF/CAN 61 -2023) Final Action Date: 7/6/2024 | *Revision*

ANSI/NSF/CAN 61-2024 (i178r1), Drinking Water System Components - Health Effects (revision of ANSI/NSF/CAN 61 -2023) Final Action Date: 7/9/2024 | *Revision*

## NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | ajump@nsf.org, www.nsf.org

ANSI/NSF/CAN 61-2024 (i179r2), Drinking Water System Components - Health Effects (revision of ANSI/NSF/CAN 61 -2023) Final Action Date: 7/11/2024 | *Revision*

## RVIA (Recreational Vehicle Industry Association)

2465 J-17 Centreville Road, #801, Herndon, VA 20171 | treamer@rvia.org, www.rvia.org

ANSI/RVIA EXTLAD-1-2024, Laboratory Test Procedures for Exterior Ladders on Recreational Vehicles (revision of ANSI/RVIA EXTLAD-1-2019) Final Action Date: 7/15/2024 | *Revision*

## ULSE (UL Standards & Engagement)

1603 Orrington Ave, Suite 2000, Evanston, IL 60201 | Megan.M.VanHeirseele@ul.org, https://ulse.org/

ANSI/UL 62133-2-2024, Standard for Safety for Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes - Safety Requirements for Portable Sealed Secondary Cells, and for Batteries Made from Them, for Use in Portable Applications - Part 2: Lithium Systems (national adoption of IEC 62133-2 with modifications and revision of ANSI/UL 62133-2-2020) Final Action Date: 5/31/2024 | *National Adoption*

ANSI/UL 123-2024, Standard for Safety for Oxy-Fuel Gas Torches (revision of ANSI/UL 123-2014 (R2019)) Final Action Date: 7/11/2024 | *Revision*

ANSI/UL 758-2024, Standard for Safety for Appliance Wiring Material (revision of ANSI/UL 758-2022) Final Action Date: 7/3/2024 | *Revision*

ANSI/UL 834-2024, Standard for Safety for Heating, Water Supply, and Power Boilers - Electric (revision of ANSI/UL 834 -2019) Final Action Date: 7/8/2024 | *Revision*

ANSI/UL 875-2024, Standard for Electric Dry-Bath Heaters (revision of ANSI/UL 875-2020) Final Action Date: 7/8/2024 | *Revision*

ANSI/UL 1082-2024, Standard for Safety for Household Electric Coffee Makers and Brewing-Type Appliances (revision of ANSI/UL 1082-2023) Final Action Date: 7/10/2024 | *Revision*

ANSI/UL 1699B-2024a, Standard for Photovoltaic (PV) DC Arc-Fault Circuit Protection (revision of ANSI/UL 1699B-2024) Final Action Date: 7/9/2024 | *Revision*

ANSI/UL 1709-2024, Standard for Rapid Rise Fire Tests of Protection Materials for Structural Steel (revision of ANSI/UL 1709-2022) Final Action Date: 7/8/2024 | *Revision*

ANSI/UL 2703-2024, Standard for Safety for Mounting Systems, Mounting Devices, Clamping/Retention Devices, and Ground Lugs for Use with Flat-Plate Photovoltaic Modules and Panels (revision of ANSI/UL 2703-2023) Final Action Date: 7/11/2024 | *Revision*

ANSI/UL 2901B-2024, Standard for Vapor Corrosion Inhibitors for Use in Fire Sprinkler Systems (revision of ANSI/UL 2901B-2023) Final Action Date: 7/12/2024 | *Revision*

ANSI/UL 3730-2024, Standard for Safety for Photovoltaic Junction Boxes (revision of ANSI/UL 3730-2017 (R2021)) Final Action Date: 7/10/2024 | *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.

## 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 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 or by e-mail from standards@scte.org.

### AAMI (Association for the Advancement of Medical Instrumentation)

901 N. Glebe Road, Suite 300, Arlington, VA 22203 | tkim@aami.org, www.aami.org

BSR/AAMI ST91 Amendment 1-202x, Flexible and Semi-Rigid Endoscope Processing in Health Care Facilities (addenda to ANSI/AAMI ST91-2021)

### AAMI (Association for the Advancement of Medical Instrumentation)

901 North Glebe Road, Suite 300, Arlington, VA 22203 | ggolriz@aami.org, www.aami.org

BSR/AAMI/ISO 11737-3 202X, Sterilization of health care products - Microbiological Methods - Part 3: Bacterial endotoxin testing (identical national adoption of ISO 11737-3:2023)

### ARESCA (American Renewable Energy Standards and Certification Association)

256 Farrell Farm Road, Norwich, VT 05055 | secretary@aresca.us, www.aresca.us

BSR/ARESCA 61400-9-202x, Wind energy generation systems - Part 9: Probabilistic design measures for wind turbines (identical national adoption of IEC TS 61400-9:2024)

### ARESCA (American Renewable Energy Standards and Certification Association)

256 Farrell Farm Road, Norwich, VT 05055 | secretary@aresca.us, www.aresca.us

BSR/ARESCA 61400-60-202x, Wind energy generation systems - Part 60: Validation of computational models (identical national adoption of IEC PAS 61400-60:2024)

### ARESCA (American Renewable Energy Standards and Certification Association)

256 Farrell Farm Road, Norwich, VT 05055 | secretary@aresca.us, www.aresca.us

BSR/ARESCA 61400-11-2-202x, Wind energy generation systems - Part 11-2: Measurement of wind turbine noise characteristics in receptor position (identical national adoption of IEC TS 61400-11-2:2024)

### ARESCA (American Renewable Energy Standards and Certification Association)

256 Farrell Farm Road, Norwich, VT 05055 | secretary@aresca.us, www.aresca.us

BSR/ARESCA 61400-24.1-202x, Amendment 1 - Wind energy generation systems - Part 24: Lightning protection (identical national adoption of IEC 61400-24 AMD1:2024)

### ATIS (Alliance for Telecommunications Industry Solutions)

1200 G Street, NW, Ste 500, Washington, DC 20005 | masefa@atis.org, www.atis.org

BSR/ATIS 0600003-202x, Battery Enclosures and Rooms/Areas (revision of ANSI/ATIS 0600003-2018)

### BOMA (Building Owners and Managers Association)

1101 15th Street, NW, Suite 800, Washington, DC 20005 | klor@boma.org, www.boma.org

BSR/BOMA Z65.3-202x, BOMA 2024 for Gross Areas: Methods of Measurement (revision of ANSI/BOMA Z65.3 -2018)

### NECA (National Electrical Contractors Association)

1201 Pennsylvania Avenue, Suite 1200, Washington, DC 20004 | Jeff.Noren@NECAnet.org, www.neca-neis.org

BSR/NECA 412-202X, Standard for Installing and Maintaining Photovoltaic (PV) Power Systems (new standard)

### NECA (National Electrical Contractors Association)

1201 Pennsylvania Avenue, Suite 1200, Washington, DC 20004 | Jeff.Noren@NECAnet.org, www.neca-neis.org

BSR/NECA 500-202X, Recommended Practice for Installing and Maintaining Indoor Commercial Lighting Systems (new standard)

### NECA (National Electrical Contractors Association)

1201 Pennsylvania Avenue, Suite 1200, Washington, DC 20004 | Jeff.Noren@NECAnet.org, www.neca-neis.org

BSR/NECA 500-202X, Recommended Practice for Installing and Maintaining Indoor Commercial Lighting Systems (new standard)

### NEMA (ASC C136) (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900, Rosslyn, VA 22209 | Karen.Willis@nema.org, www.nema.org

BSR C136.41-202X, Standard for Roadway and Area Lighting Equipment - Dimming Control Between an External Locking Type Photocontrol and Ballast or Driver (revision of ANSI C136.41-2021)

### NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | arose@nsf.org, www.nsf.org

BSR/NSF 49-202x (i173AAr1), Biosafety Cabinetry: Design, Construction, Performance and Field Certification (revision of ANSI/NSF 49-2022)

### NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | arose@nsf.org, www.nsf.org

BSR/NSF 49-202x (i180r1), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2022)

### NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | arose@nsf.org, www.nsf.org

BSR/NSF 49-202x (i181r1), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2022)

### NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | ajump@nsf.org, www.nsf.org

BSR/NSF/CAN 61-202x (i180r2), Drinking Water System Components - Health Effects (revision of ANSI/NSF/CAN 61-2023)

### NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | ajump@nsf.org, www.nsf.org

BSR/NSF/CAN 61-202x (i184r1), Drinking Water System Components - Health Effects (revision of ANSI/NSF/CAN 61-2023)

### ULSE (UL Standards & Engagement)

1603 Orrington Ave, Suite 2000, Evanston, IL 60201 | Heather.Sakellariou@ul.org, https://ulse.org/

BSR/UL 588-202x, Standard for Safety for Seasonal and Holiday Decorative Products (revision of ANSI/UL 588 -2023)

### ULSE (UL Standards & Engagement)

100 Queen Street, Suite 1040, Ottawa, ON K1P 1J9 Canada | hilal.elmisilmani@ul.org, https://ulse.org/

BSR/UL 979-202x, Standard for Safety for Water Treatment Appliances (new standard)
Interest Categories: To improve the current balance for TC 979, UL Standards & Engagement is looking for participants in the following interest categories: Authorities Having Jurisdiction, Commercial/Industrial Users, Consumer, General Interest, Government, Supply Chain.

### ULSE (UL Standards & Engagement)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | marina.currie@ul.org, https://ulse.org/

BSR/UL 2108-202x, Standard for Safety for Low Voltage Lighting Systems (revision of ANSI/UL 2108-2023)

# American National Standards (ANS) Announcements

## Transfer of ANS from CTA to CEDIA

### CEDIA - Custom Electronics Design and Installation Association

**ANSI/CTA/CEDIA 2030-A-2011 (R2019)**

CTA has transferred the following standard to CEDIA: ANSI/CTA-CEDIA-2030-A R-2019, Multi-Room Audio Cabling Standard

Please direct inquiries to: Walt Zerbe <wzerbe@cedia.org>

# American National Standards (ANS) Process

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

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

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

• ANSI Essential Requirements: Due process requirements for American National Standards (always current edition):

www.ansi.org/essentialrequirements

• ANSI Standards Action (weekly public review announcements of proposed ANS and standards developer accreditation applications, listing of recently approved ANS, and proposed revisions to ANS-related procedures):

www.ansi.org/standardsaction

• Accreditation information – for potential developers of American National Standards (ANS):

www.ansi.org/sdoaccreditation

• ANS Procedures, ExSC Interpretations and Guidance (including a slide deck on how to participate in the ANS process and the BSR-9 form):

www.ansi.org/asd

• Lists of ANSI-Accredited Standards Developers (ASDs), Proposed ANS and Approved ANS:

www.ansi.org/asd

• American National Standards Key Steps:

www.ansi.org/anskeysteps

• American National Standards Value:

www.ansi.org/ansvalue

• ANS Web Forms for ANSI-Accredited Standards Developers:

https://www.ansi.org/portal/psawebforms/

• Information about standards Incorporated by Reference (IBR):

https://ibr.ansi.org/

• ANSI - Education and Training:

www.standardslearn.org

# American National Standards Under Continuous Maintenance

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

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

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)

PHTA (Pool and Hot Tub Alliance)

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, select “American National Standards Maintained Under Continuous Maintenance.” Questions? 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.

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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); comments on ISO documents must be submitted electronically in the approved ISO template and as a Word document as other formats will not be accepted.

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

**ORDERING INSTRUCTIONS**

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

## ISO Standards

### Agricultural food products (TC 34)

ISO/DIS 17645, Dry-cured ham - Specification - 9/26/2024, $46.00

ISO/DIS 23691, Microbiology of the food chain - Determination and use of cardinal values - 10/3/2024, $112.00

### Air quality (TC 146)

ISO/DIS 30011, Workplace air - Determination of metals and metalloids in airborne particulate matter by inductively coupled plasma mass spectrometry - 9/28/2024, $107.00

### Anaesthetic and respiratory equipment (TC 121)

ISO/DIS 7376-2, Anaesthetic and respiratory equipment - Part 2: Video laryngoscopes - 9/26/2024, $82.00

### Banking and related financial services (TC 68)

ISO/DIS 18960, Security controls and implementation guidance for third party payment service providers - 9/28/2024, $93.00

### Human resource management (TC 260)

ISO/DIS 30414, Human resource management - Guidelines for internal and external human capital reporting - 9/28/2024, $125.00

### Indirect, temperature-controlled refrigerated delivery services – land transport of parcels with intermediate transfer (TC 315)

ISO/DIS 31510, Cold chain logistics - Terminology - 9/29/2024, $40.00

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

ISO/DIS 18136-1, Automation systems and integration - Nuclear digital ecosystem - Part 1: Overview and framework - 9/30/2024, $125.00

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

ISO/DIS 24203, Oil and gas industries including lower carbon energy - Bulk material for offshore projects - Standard schedule for architectural doors - 10/3/2024, $107.00

ISO/DIS 21809-4, Oil and gas industries including lower carbon energy - External coatings for buried or submerged pipelines used in pipeline transportation systems - Part 4: Polyethylene coatings (2-layer PE) - 9/30/2024, $125.00

### Mechanical vibration and shock (TC 108)

ISO 16063-1:1998/DAmd 2, - Amendment 2: Methods for the calibration of vibration and shock transducers - Part 1: Basic concepts - Amendment 2 - 9/26/2024, $29.00

ISO 16063-31:2009/DAmd 1, - Amendment 1: Methods for the calibration of vibration and shock transducers - Part 31: Testing of transverse vibration sensitivity - Amendment 1 - 9/27/2024, $33.00

### Nanotechnologies (TC 229)

ISO/DIS 21362, Nanotechnologies - Analysis of nano-objects using asymmetrical flow and centrifugal field-flow fractionation - 9/26/2024, $125.00

### Non-destructive testing (TC 135)

ISO/DIS 5577, Non-destructive testing - Ultrasonic testing - Vocabulary - 9/29/2024, $112.00

**Paints and varnishes (TC 35)**

ISO/DIS 8502-5, Preparation of steel substrates before application of paints and related products - Tests for the assessment of surface cleanliness - Part 5: Measurement of chloride on steel surfaces prepared for painting (ion detection tube method) - 9/30/2024, $33.00

ISO/DIS 11124-6, Preparation of steel substrates before application of paints and related products - Specifications for metallic blast-cleaning abrasives - Part 6: Stainless steel (shot and irregulars) - 9/27/2024, $40.00

ISO/DIS 11124-7, Preparation of steel substrates before application of paints and related products - Specifications for metallic blast-cleaning abrasives - Part 7: High chromium white cast iron grit - 9/28/2024, $33.00

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

ISO/DIS 16260, Paper and board - Determination of internal bond strength - 9/29/2024, $71.00

**Personal safety - Protective clothing and equipment (TC 94)**

ISO/DIS 11999-2, PPE for firefighters - Test methods and requirements for PPE used by firefighters who are at risk of exposure to high levels of heat and/or flame while fighting fires occurring in structures - Part 2: Compatibility - 9/28/2024, $33.00

**Plastics (TC 61)**

ISO/DIS 527-2, Plastics - Determination of tensile properties - Part 2: Test conditions for moulding and extrusion plastics - 9/28/2024, $53.00

ISO/DIS 4907-4, Plastics - Ion exchange resin - Part 4: Determination of particle size by laser diffraction method - 9/27/2024, $40.00

**Railway applications (TC 269)**

ISO/DIS 18955, Railway applications - Suspension components - Rubber diaphragms for pneumatic suspension springs - 9/26/2024, $112.00

**Road vehicles (TC 22)**

ISO/DIS 3536, Road vehicles - Safety glazing materials - Vocabulary - 9/29/2024, $40.00

ISO/DIS 8202, Road vehicles - Box task and detection response task to measure visual-manual and cognitive demand - 9/27/2024, $58.00

ISO/DIS 18243, Electrically propelled mopeds and motorcycles - Test specifications and safety requirements for lithium-ion battery systems - 9/26/2024, $112.00

**Screw threads (TC 1)**

ISO/DIS 965-1, ISO general purpose metric screw threads - Tolerances - Part 1: Principles and basic data - 9/29/2024, $82.00

ISO/DIS 2903-2, ISO metric trapezoidal screw threads -- Tolerances - Part 2: Limits of sizes - 9/28/2024, $98.00

**Security (TC 292)**

ISO/DIS 22366, Security and resilience - Community resilience - Framework and principles for energy resilience - 9/26/2024, $67.00

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

ISO 24516-1:2016/DAmd 1, - Amendment 1: Guidelines for the management of assets of water supply and wastewater systems - Part 1: Drinking water distribution networks - Amendment 1 - 9/28/2024, $29.00

**Soil quality (TC 190)**

ISO/DIS 16703, Environmental Solid Matrices - Determination of hydrocarbon content in the range of C10 to C40 by gas chromatography - 9/27/2024, $82.00

ISO/DIS 17505, Soil and waste characterization - Temperature dependent differentiation of total carbon (TOC400, ROC, TIC900) - 9/27/2024, $88.00

**Sports and recreational equipment (TC 83)**

ISO/DIS 10256-5, Protective equipment for use in ice hockey - Part 5: Neck laceration protectors for use in ice hockey - 10/3/2024, $46.00

**(TC 331)**

ISO/DIS 17317, Biodiversity - Requirements and guidelines for the characterization of products based on native species - 9/27/2024, $102.00

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

ISO/DIS 3135, Marking pens - Durability of written line - Documentary use (DOC) - 9/29/2024, $40.00

**Textiles (TC 38)**

ISO/DIS 105-X11, Textiles - Tests for colour fastness - Part X11: Colour fastness to hot pressing - 9/26/2024, $33.00

**Water re-use (TC 282)**

ISO/DIS 18997, Water reuse in urban areas - Guidelines for the urban reclaimed water for landscaping uses - 9/26/2024, $62.00

ISO/DIS 16075-7, Guidelines for treated wastewater use for irrigation projects - Part 7: Golf courses and other sports fields - 9/30/2024, $62.00

### ISO/IEC JTC 1, Information Technology

ISO/IEC 10646:2020/DAmd 2, - Amendment 2: Information technology - Universal coded character set (UCS) - Amendment 2: Todhri, Garay, Tulu-Tigalari, Sunuwar, Gurung Khema, Kirat Rai, and other characters - 9/27/2024, $258.00

ISO/IEC 29192-1:2012/DAmd 1, - Amendment 1: Information technology - Security techniques - Lightweight cryptography - Part 1: General - Amendment 1 - 9/30/2024, $29.00

ISO/IEC DIS 18670, Information technology - SoftWare Hash IDentifier (SWHID) Specification V1.2 - 9/28/2024, $67.00

ISO/IEC DIS 20153, Information technology - OASIS Common Security Advisory Framework (CSAF) v2.0 Specification - 9/27/2024, $165.00

## IEC Standards

56/2057/FDIS, IEC 62309 ED2: Dependability of new products containing reused parts and life-extended products, 08/23/2024

48B/3113/NP, PNW 48B-3113 ED1: Solderless connections - Part 2-1: Crimped connections - General requirements, test methods and practical guidance for wire connections with cross-sectional area above 10 mm2 up to 300 mm2 (included), 10/04/2024

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

94/1050/FDIS, IEC 63522-12 ED1: Electrical relays - Tests and measurements - Part 12: Internal moisture, 08/23/2024

94/1051/FDIS, IEC 63522-13 ED1: Electrical relays - Tests and measurements - Part 13: Corrosive atmospheres due to sulfur impact, 08/23/2024

94/1052/FDIS, IEC 63522-15 ED1: Electrical relays - Tests and measurements - Part 15: Robustness of terminals, 08/23/2024

94/1053/FDIS, IEC 63522-17 ED1: Electrical relays - Tests and measurements - Part 17: Shock, acceleration and vibration, 08/23/2024

94/1054/FDIS, IEC 63522-24 ED1: Electrical relays - Tests and Measurements - Part 24: Load transfer, 08/23/2024

94/1055/FDIS, IEC 63522-25 ED1: Electrical relays - Tests and Measurements - Part 25: Magnetic interference, 08/23/2024

94/1056/FDIS, IEC 63522-4 ED1: Electrical relays - Tests and measurements - Part 4: Dielectric strength test, 08/23/2024

94/1057/FDIS, IEC 63522-40 ED1: Electrical relays - Tests and measurements - Part 40: Short circuit testing, 08/23/2024

**Capacitors and resistors for electronic equipment (TC 40)**

40/3159/CD, IEC 60384-14/AMD1 ED5: Amendment 1 - Fixed capacitors for use in electronic equipment - Part 14: Sectional specification - Fixed capacitors for electromagnetic interference suppression and connection to the supply mains, 09/06/2024

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

69/975/DPAS, IEC PAS 61980-5 ED1: Interoperability and safety of dynamic wireless power transfer (WPT) for electric vehicles, 09/06/2024

**Electric traction equipment (TC 9)**

9/3082(F)/CDV, IEC 61375-2-6 ED2: Electronic railway equipment - Train communication network (TCN) - Part 2-6: On-board to ground communication, 09/20/2024

**Electrical accessories (TC 23)**

23E/1356/CD, IEC 62955 ED2: Residual direct current detecting device (RDC-DD) to be used for mode 3 charging of electric vehicles, 11/01/2024

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

31/1784/CDV, IEC 60079-29-0 ED1: Explosive atmospheres - Part 29-0: Gas detectors - General requirements and test methods, and possible supplementary parts., 10/04/2024

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

62D/2155/FDIS, IEC 60601-2-34 ED4: Medical electrical equipment - Part 2-34: Particular requirements for the basic safety and essential performance of invasive blood pressure monitoring equipment, 08/23/2024

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

64/2681/CD, IEC 60364-7-702 ED4: Low-voltage electrical installations - Part 7-702: Requirements for special installations or locations - Swimming pools and fountains, 11/01/2024

64/2682/CD, IEC 60364-8-82/AMD1 ED1: Amendment 1 - Low-voltage electrical installations - Part 8-82: Functional aspects - Prosumer's low-voltage electrical installations, 10/04/2024

**Electromechanical components and mechanical structures for electronic equipments (TC 48)**

48B/3110/FDIS, IEC 60352-2 ED3: Solderless connections - Part 2: Crimped connections - General requirements, test methods and practical guidance, 08/23/2024

48B/3108(F)/CDV, IEC 60352-7 ED3: Solderless connections - Part 7: Spring clamp connections - General requirements, test methods and practical guidance, 09/27/2024

48B/3111/FDIS, IEC 61076-2-101 ED4: Connectors for electrical and electronic equipment - Product requirements - Part 2-101: Circular connectors - Detail specification for M12 connectors with screw-locking, 08/23/2024

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

104/1059/CDV, IEC 60721-3-6 ED2: Classification of environmental conditions. Part 3: Classification of groups of environmental parameters and their severities - Ship environment, 10/04/2024

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

110/1660/CD, IEC 62715-6-22 ED2: Flexible display devices - Part 6-22: Crease and waviness measurement methods for foldable displays, 09/06/2024

110/1648/CDV, IEC 62906-6-1 ED1: LASER DISPLAYS - Part 6-1: Visualization method of colour gamut intersection, 10/04/2024

110/1662/CD, IEC TR 62715-6-41 ED1: Flexible display devices - Part 6-41: General introduction for rollable displays, 09/06/2024

110/1659/NP, PNW 110-1659 ED1: Flexible display devices - Part 6-43: Deformation measurement of rollable display, 09/06/2024

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

115/374/DTR, IEC TR 63502 ED1: Guidelines for parameters measurement of HVDC transmission line, 09/06/2024

**Instrument transformers (TC 38)**

38/794A/CD, IEC 61869-8 ED1: Instrument transformers - Part 8: Specific requirements for Electronic Current Transformers, 08/30/2024

**Insulators (TC 36)**

36/605/CD, IEC TS 63414 ED1: Artificial pollution tests on high-voltage insulators made of hydrophobicity transfer materials to be used on a.c. and d.c. systems, 10/04/2024

**Magnetic alloys and steels (TC 68)**

68/768/CDV, IEC 60404-18 ED1: Magnetic materials - Part 18: Permanent magnet (magnetically hard) materials - Methods of measurement of the magnetic properties in an open magnetic circuit using a superconducting magnet, 10/04/2024

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

80/1124/CD, IEC 61174 ED5: Maritime navigation and radiocommunication equipment and systems - Electronic chart display and information system (ECDIS) - Operational and performance requirements, methods of testing and required test results, 09/06/2024

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

113/847/CD, IEC TS 62607-4-11 ED1: Nanomanufacturing - Key control characteristic - Part 4-11: Nano-enabled energy storage - Dispersion stability of nano-carbon materials for the electrodes of electrochemical capacitors: zeta potential method, 09/06/2024

**Nuclear instrumentation (TC 45)**

45B/1063(F)/CDV, IEC 60761-2 ED3: Equipment for continuous monitoring of radioactivity in gaseous effluents - Part 2: Specific requirements for radioactive aerosol monitors including transuranic aerosols, 09/27/2024

**Performance of household electrical appliances (TC 59)**

59K/394/CDV, IEC 60350-1/AMD1 ED3: Amendment 1 - Household electric cooking appliances - Part 1: Ranges, ovens, steam ovens and grills - Methods for measuring performance, 10/04/2024

**Power capacitors (TC 33)**

33/712/CD, IEC 62146-1 ED2: Capacitors for high-voltage alternating current circuit-breakers - Part 1: General and grading capacitors, 10/04/2024

**Power electronics (TC 22)**

22F/778/CD, IEC 61803 ED3: Determination of power losses in high-voltage direct current (HVDC) converter stations, 10/04/2024

**Power system control and associated communications (TC 57)**

57/2692/DTR, IEC TR 61850-90-22 ED1: Communication networks and systems for power utility automation - Part 90-22: SCD based substation network auto-routing with visualization and supervision support, 09/06/2024

57/2693/DTR, IEC TR 61850-90-30 ED1: Communication networks and systems for power utility automation - Part 90-30: IEC 61850 Function Modelling in SCL, 09/06/2024

**Rotating machinery (TC 2)**

2/2210/CD, IEC 60034-35 ED1: Rotating electrical machines - Part 35: Technical requirements for electrical sheet metal and strip metal used in electrical machines, 09/06/2024

2/2207A/CD, IEC TS 60034-27-6 ED1: Rotating electrical machines - Part 27-6: On-line partial discharge measurements of rotating machine windings supplied from an inverter, 08/30/2024

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

116/807/FDIS, IEC 62841-3-14/AMD1 ED1: Amendment 1 - Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 3-14: Particular requirements for transportable drain cleaners, 08/23/2024

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

61/7265(F)/FDIS, IEC 60335-2-12 ED6: Household and similar electrical appliances - Safety - Part 2-12: Particular requirements for warming plates and similar appliances, 08/02/2024

61/7266(F)/FDIS, IEC 60335-2-26 ED5: Household and similar electrical appliances - Safety - Part 2-26: Particular requirements for clocks, 08/02/2024

61/7255/CDV, IEC 60335-2-30 ED6: Household and similar electrical appliances - Safety -Part 2-30: Particular requirements for room heaters, 10/04/2024

61/7267(F)/FDIS, IEC 60335-2-32 ED6: Household and similar electrical appliances - Safety - Part 2-32: Particular requirements for massage appliances, 08/09/2024

61/7268(F)/FDIS, IEC 60335-2-61 ED3: Household and similar electrical appliances - Safety - Part 2-61: Particular requirements for thermal storage room heaters, 08/09/2024

**Semiconductor devices (TC 47)**

47/2859/CD, IEC 63068-5 ED1: Semiconductor devices - Non-destructive recognition criteria of defects in silicon carbide homoepitaxial wafer for power devices - Part 5: Test method for defects using X-ray topography, 09/06/2024

47/2860/CD, IEC 63567-1 ED1: Semiconductor devices - Performance evaluation of semiconductor processing components and inspection equipment - Part 1: Transmittance evaluation method of EUV pellicle, 11/01/2024

**Standard voltages, current ratings and frequencies (TC 8)**

8/1708/CD, IEC TR 63222-101 Power quality management - Part 101: Power quality data application, 09/06/2024

8/1707/CD, IEC TR 63282-101 LVDC systems: DC power distribution system for typical scenarios, 09/06/2024

**Superconductivity (TC 90)**

90/523/CD, IEC 61788-15 ED2: Superconductivity - Part 15: Electronic characteristic measurements - Intrinsic surface impedance of superconductor films at microwave frequencies, 09/06/2024

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

121A/615/FDIS, IEC 60947-4-2/AMD1 ED4: Amendment 1 - Low-voltage switchgear and controlgear - Part 4-2: Contactors and motor-starters - Semiconductor motor controllers, starters and soft-starters, 08/23/2024

**(TC )**

CIS/H/500/CDV, IEC 61000-6-3/AMD1/FRAG1 ED3: Amendment 1/Fragment 1: Electromagnetic compatibility (EMC) - Part 6-3: Generic standards - Emission standard for equipment in residential environments - Miscellaneous items on General Maintenance, 09/06/2024

**Wind turbine generator systems (TC 88)**

88/1041/FDIS, IEC 61400-15-1 ED1: Wind energy generation systems - Part 15-1: Site suitability input conditions for wind power plants, 08/23/2024

88/1028(F)/FDIS, IEC 61400-3-2 ED1: Wind energy generation systems - Part 3-2: Design requirements for floating offshore wind turbines, 07/26/2024

## ISO/IEC JTC 1, Information Technology

**(JTC1)**

JTC1-SC25/3271/CD, ISO/IEC 15045-5-1 ED1: Information Technology - Home Electronic System (HES) gateway - Application services - Part 5-1: Overview, foundation, and requirements, 09/06/2024

JTC1-SC25/3267/CD, ISO/IEC 15067-5 ED1: Information technology - Home Electronic System (HES) application models - Part 5: A safety framework and guidelines for control and data communication messages, 09/06/2024

JTC1-SC25/3272/DTS, ISO/IEC TS 29125/AMD2 ED1: Amendment 2 - Information technology - Telecommunications cabling requirements for remote powering of terminal equipment, 09/06/2024

JTC1-SC41/444/NP, PNW JTC1-SC41-444 ED1: Digital Twin - Extraction and transactions of data products, 10/04/2024

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

## ISO Standards

### Agricultural food products (TC 34)

ISO 7301:2021/Amd 1:2024, - Amendment 1: Rice - Specification - Amendment 1, $23.00

### Aircraft and space vehicles (TC 20)

ISO 11892:2024, Space systems - Subsystems or units to spacecraft interface control document, $124.00

ISO 18676:2024, Space systems - Requirements and guidelines for the management of systems engineering, $124.00

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

ISO 23138:2024, Biological equipment for treating air and other gases - General requirements, $166.00

ISO 29464:2024, Cleaning of air and other gases - Vocabulary, $223.00

### Ergonomics (TC 159)

ISO 10075-2:2024, Ergonomic principles related to mental workload - Part 2: Design principles, $166.00

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

ISO 9717:2024, Metallic and other inorganic coatings - Phosphate conversion coating of metals, $124.00

### Paints and varnishes (TC 35)

ISO 2884-2:2024, Paints and varnishes - Determination of viscosity using rotational viscometers - Part 2: Relative measurement of viscosity using disc or ball spindles at specified speeds, $54.00

### Personal safety - Protective clothing and equipment (TC 94)

ISO 374-5:2024, Protective gloves against dangerous chemicals and micro-organisms - Part 5: Terminology and performance requirements for micro-organisms risks, $54.00

### Water quality (TC 147)

ISO 10253:2024, Water quality - Marine algal growth inhibition test with Skeletonema sp. and Phaeodactylum tricornutum, $166.00

## ISO Technical Specifications

### Aircraft and space vehicles (TC 20)

ISO/TS 20517:2024, Space systems - Cybersecurity management requirements and recommendations, $81.00

### Lifts, escalators, passenger conveyors (TC 178)

ISO/TS 8103-3:2024, Escalators and moving walks - Part 3: Requirements from other standards (ASME A17.1/CSA B44 and Japanese codes) not included in ISO 8103-1, $166.00

### Optics and optical instruments (TC 172)

ISO/TS 6838:2024, Ophthalmic optics - Contact lenses - Tolerances and methods for measurement of multifocal contact lens addition power, $166.00

## ISO/IEC JTC 1, Information Technology

ISO/IEC 5152:2024, Information technology - Biometric performance estimation methodologies using statistical models, $166.00

ISO/IEC 5259-4:2024, Artificial intelligence - Data quality for analytics and machine learning (ML) - Part 4: Data quality process framework, $194.00

### Other

ISO/IEC TS 17012:2024, Conformity assessment - Guidelines for the use of remote auditing methods in auditing management systems, $166.00

## IEC Standards

### Electrical accessories (TC 23)

IEC 60884-3-1 Ed. 1.0 b Cor.1:2024, Corrigendum 1 - Plugs and socket-outlets for household and similar purposes - Part 3-1: Particular requirements for socket-outlets incorporating USB power supply, $0.00

### Lamps and related equipment (TC 34)

IEC 63128 Amd.1 Ed. 1.0 b:2024, Amendment 1 - Lighting control interface for dimming - Analogue voltage dimming interface for electronic current sourcing controlgear, $26.00

IEC 63128 Ed. 1.1 en:2024, Lighting control interface for dimming - Analogue voltage dimming interface for electronic current sourcing controlgear, $148.00

### Magnetic alloys and steels (TC 68)

IEC 60404-1-1 Amd.1 Ed. 1.0 en:2024, Amendment 1 - Magnetic materials - Part 1-1: Classification - Surface insulations of electrical steel strip, sheet and laminations, $13.00

IEC 60404-1-1 Ed. 1.1 en:2024, Magnetic materials - Part 1-1: Classification - Surface insulations of electrical steel strip, sheet and laminations, $148.00

### Other

IEC SRD 63476-1 Ed. 1.0 en:2024, Smart city system ontology - Part 1: Gap analysis, $444.00

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

IEC 60335-2-25 Ed. 8.0 b:2024, Household and similar electrical appliances - Safety - Part 2-25: Particular requirements for microwave ovens, including combination microwave ovens, $348.00

IEC 60335-2-25 Ed. 8.0 en:2024 EXV, Household and similar electrical appliances - Safety - Part 2-25: Particular requirements for microwave ovens, including combination microwave ovens, $975.00

IEC 60335-2-90 Ed. 5.0 b:2024, Household and similar electrical appliances - Safety - Part 2-90: Particular requirements for commercial microwave ovens, $444.00

IEC 60335-2-90 Ed. 5.0 en:2024 EXV, Household and similar electrical appliances - Safety - Part 2-90: Particular requirements for commercial microwave ovens, $1030.00

IEC 60335-2-110 Ed. 2.0 b:2024, Household and similar electrical appliances - Safety - Part 2-110: Particular requirements for commercial microwave appliances with insertion or contacting applicators, $348.00

IEC 60335-2-110 Ed. 2.0 en:2024 EXV, Household and similar electrical appliances - Safety - Part 2-110: Particular requirements for commercial microwave appliances with insertion or contacting applicators, $975.00

S+ IEC 60335-2-25 Ed. 8.0 en:2024 (Redline version), Household and similar electrical appliances - Safety - Part 2-25: Particular requirements for microwave ovens, including combination microwave ovens, $591.00

S+ IEC 60335-2-90 Ed. 5.0 en:2024 (Redline version), Household and similar electrical appliances - Safety - Part 2-90: Particular requirements for commercial microwave ovens, $756.00

S+ IEC 60335-2-110 Ed. 2.0 en:2024 (Redline version), Household and similar electrical appliances - Safety - Part 2 -110: Particular requirements for commercial microwave appliances with insertion or contacting applicators, $591.00

## IEC Technical Specifications

### Solar photovoltaic energy systems (TC 82)

IEC/TS 62788-2 Ed. 2.0 en:2024, Measurement procedures for materials used in photovoltaic modules - Part 2: Polymeric materials - Frontsheets and backsheets, $483.00

# International Organization for Standardization (ISO)

## Call for U.S. TAG Administrator

### ISO/TC 101 – Continuous mechanical handling equipment

**Comment Deadline: August 2, 2024**

There is currently no ANSI-accredited U.S. TAG Administrator for ISO/TC 101 – *Continuous mechanical handling equipment* and therefore ANSI is not a member of this committee. The Secretariat for the committee is held by Germany (DIN).

ISO/TC 101 operates under the following scope:

*Standardization in the field of continuous mechanical handling equipment for loose bulk materials or unit loads, comprising terminology, general design and construction, leading dimensions, safety requirements and testing and inspection methods.*

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).

## Call for U.S. TAG Administrator

### ISO/TC 113 – Hydrometry

**Comment Deadline: August 2, 2024**

There is currently no ANSI-accredited U.S. TAG Administrator for ISO/TC 113 – *Hydrometry*, or any of the active Subcommittees, and therefore ANSI is not a member of these committees. The Secretariats for the committees are held by:
ISO/TC 113 – *Hydrometry*: India (BIS)
ISO/TC 113/SC 1 – *Velocity area methods*: India (BIS)
ISO/TC 113/SC 2 – *Flow measurement structures*: India (BIS)
ISO/TC 113/SC 5 – *Instruments, equipment and data management*: China (SAC)
ISO/TC 113/SC 6 – *Sediment transport*: India (BIS)
ISO/TC 113/SC 8 – *Ground water*: Korea (KATS)

ISO/TC 113 operates under the following scope:

*Standardization of methods, procedures, instruments, and equipments relating to techniques for hydrometric determination of water level, velocity, discharge and sediment transport in open channels, precipitation and evapotranspiration, availability and movement of ground water, including:*

- *terminology and symbols;*
- *collection, evaluation, analysis, interpretation and presentation of data;*
- *evaluation of uncertainties.*

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).

# International Organization for Standardization (ISO)

## Call for U.S. TAG Administrator

### ISO/TC 123 – Plain bearings

**Comment Deadline: July 26, 2024**

There is currently no ANSI-accredited U.S. TAG Administrator for ISO/TC 123 – *Plain bearings*, or any of the active Subcommittees, and therefore ANSI is not a member of these committees. The Secretariats for the committees are held by:
ISO/TC 123 – *Plain bearings*: Japan (JISC)
ISO/TC 123/SC 2 – *Materials and lubricants, their properties, characteristics, test methods and testing conditions*: Germany (DIN)
ISO/TC 123/SC 3 – *Dimensions, tolerances and construction details*: Germany (DIN)
ISO/TC 123/SC 5 – *Quality analysis and assurance*: Germany (DIN)
ISO/TC 123/SC 6 – *Terms and common items*: Japan (JISC)
ISO/TC 123/SC 7 – *Special types of plain bearings*: Japan (JISC)
ISO/TC 123/SC 8 – *Calculation methods for plain bearings and their applications*: Japan (JISC)

ISO/TC 123 operates under the following scope:

*Standardization of plain bearings on the following items :*
- *classification, definitions and terminology;*
- *materials and characteristics;*
- *dimensions and tolerances;*
- *methods of tests and quality control, including methods of calculation.*

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).

## Call for U.S. TAG Administrator

### ISO/TC 132 – Ferroalloys

**Comment Deadline: July 26, 2024**

There is currently no ANSI-accredited U.S. TAG Administrator for ISO/TC 132 – *Ferroalloys* and therefore ANSI is not a member of this committee. The Secretariat for the committee is held by China (SAC).

ISO/TC 132 operates under the following scope:

*Standardization in the field of ferroalloys and other alloying additives used in iron and steel making, and the manganese ore and chromium ore used in ferroalloys raw material. Excluded: standardization of ferronickels which devolves upon ISO/TC 155.*

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).

# International Organization for Standardization (ISO)

## Call for U.S. TAG Administrator

### ISO/TC 155 – Nickel and nickel alloys

**Comment Deadline: August 2, 2024**

There is currently no ANSI-accredited U.S. TAG Administrator for ISO/TC 155 – *Nickel and nickel alloys* and therefore ANSI is not a member of this committee. The Secretariat for the committee is held by France (AFNOR).

ISO/TC 155 operates under the following scope:

*Standardization in the field of nickel and nickel alloys including terminology, specifications and methods of sampling, testing and analysis.*

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).

## Call for U.S. TAG Administrator

### ISO/TC 226 – Materials for the production of primary aluminium

**Comment Deadline: July 26, 2024**

There is currently no ANSI-accredited U.S. TAG Administrator for ISO/TC 226 – *Materials for the production of primary aluminium* and therefore ANSI is not a member of this committee. The Secretariat for the committee is held by Switzerland (SNV).

ISO/TC 226 operates under the following scope:

*Standardization in the field of materials for the production of primary aluminium, including aluminium oxide, cryolite, aluminium fluoride, sodium fluoride, carbonaceous products and ceramic materials.*

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).

## Call for U.S. TAG Administrator

### ISO/TC 256 – Pigments, dyestuffs and extenders

**Comment Deadline: August 2, 2024**

There is currently no ANSI-accredited U.S. TAG Administrator for ISO/TC 256 – *Pigments, dyestuffs and extenders* and therefore ANSI is not a member of this committee. The Secretariat for the committee is held by Germany (DIN).

ISO/TC 256 operates under the following scope:

*Standardization in the field of colouring materials, i.e. pigments, extenders and dyestuffs, including terminology, product specifications and test methods.*

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).

# International Organization for Standardization (ISO)

## Establishment of ISO Subcommittee

### ISO/TC 8/SC 26 – Smart shipping

**Comment Deadline: August 2, 2024**

ISO/TC 8 – *Ships and marine technology* has created a new ISO Subcommittee on *Smart shipping* (ISO/TC 8/SC 26). The Secretariat has been assigned to China (SAC).

ISO/TC 8/SC 26 operates under the following scope:

*Standardization in the field of emerging and advanced information and communication technologies, (e.g. big data and processing, IoT, onboard sensors, artificial intelligence) in shipbuilding and maritime intelligent transportation system.*

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

## Establishment of Three ISO Subcommittees

### ISO/TC 48 – Laboratory equipment

**Comment Deadline: August 2, 2024**

ISO/TC 48 – *Laboratory equipment* has created three new ISO Subcommittees:

· ISO/TC 48/SC 7 – *Non-measuring equipment made of glass, plastic and ceramics*
o SC 7 Secretariat: Germany (DIN)
o SC 7 Scope: *Standardization of material characterization, specification, construction, marking and testing for laboratory equipment, which is not intended to be used for measurement of physical quantities. This includes standardization of principles and materials for construction, performance, dimensions and testing with respect to material characteristics, as well as the terms and definitions used in connection therewith.*
· ISO/TC 48/SC 8 – *Volume measuring instruments*
o SC 8 Secretariat: Portugal (IPQ)
o SC 8 Scope: *Volume measuring instruments* under the scope of ISO/TC 48 – *Laboratory equipment*.
· ISO/TC 48/SC 9 – *Laboratory furniture*
o SC 9 Secretariat: Germany (DIN)
o SC 9 Scope: *Laboratory furniture* under the scope of ISO/TC 48 – *Laboratory equipment*.

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

# Registration of Organization Names in the United States

The Procedures for Registration of Organization Names in the United States of America (document ISSB 989) require that alphanumeric organization names be subject to a 90-day Public Review period prior to registration. For further information, please contact the Registration Coordinator at (212) 642-4975.
When organization names are submitted to ANSI for registration, they will be listed here alphanumerically. Alphanumeric names appearing for the first time are printed in bold type. Names with confidential contact information, as requested by the organization, list only public review dates.

## Public Review

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

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

# Proposed Foreign Government Regulations

## Call for Comment

U.S. manufacturers, exporters, 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
WTO Committee on Technical Barriers to Trade (TBT): 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.
Report Trade Barriers: 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 or notifyus@nist.gov.

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

# NSF/ANSI International Standard for Biosafety Cabinetry —

## Biosafety Cabinetry: Design, Construction, Performance, and Field Certification

***Rationale**: Language regarding the many design and construction requirements in Standard 49 have not been evaluated for many years. These proposed revisions intend to do so.*

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## 3 Definitions

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**3.xx** **cleanable:** Able to be freed of residues of soiling materials.

**3.xx** **easily cleanable:** Manufactured so that soiling material may be removed by manual cleaning methods.

***Rationale**: These definitions were adapted from NSF Food Equipment definitions standard 170.*

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## 5 Design and Construction

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### 5.2 Surface Decontamination ~~Cleanability~~

Interior work, exposed interior, and the other interior surfaces subject to splash or spillage shall be readily accessible and easily cleanable as assembled or when removed. ~~Interior work, exposed interior, and other interior surfaces, including plenums, shall be capable of being vapor or gas decontaminated.~~

### 5.3 Gas / Vapor Decontamination

Interior work, exposed interior, and other interior surfaces, including plenums, shall be capable of being vapor or gas decontaminated. ~~Cabinets shall be designed to be decontaminated~~ with an inactivating agent (such as formaldehyde gas) without being moved. Closure to contain decontaminating agents should be limited to gas-tight sealing of air intake and exhaust openings with metal plates, or plastic film and tape, or equivalent.

~~Pressure tight valves, if provided, suitable for decontamination shall be located on the clean side of the HEPA/ULPA filter.~~

### 5.4 Canopy exhaust connection

If Type A1, A2, and C1 cabinets are connected to an exhaust system, it shall only be done so via a canopy connection; direct connections are not acceptable. They are exhausted with the assistance of a remote fan to the atmosphere. In normal operation, the volume of room air drawn into the canopy connection's openings or gaps shall be sufficient to ensure the capture of all of the BSC's HEPA filtered exhaust, as verified by a visible medium. The flow of room air into the canopy connection through openings, or gaps, or both, provides assurance of consistent BSC performance during fluctuations in exhaust system flow rate, or room pressure, or both.

For Types A1, A2, and C1 with a canopy connection, during an exhaust system failure:

— the canopy shall provide properly sized openings or gaps to allow for recirculation of HEPA filtered exhaust into the room;

— the BSC shall maintain an inflow velocity above the lowest value verified by the NSF/ANSI 49 biological challenge testing; and

Alternatively, the Type C1 canopy can direct the HEPA filtered exhaust into the exhaust duct during an exhaust system failure provided:

— the BSC shall maintain an inflow velocity above the lowest value verified by the NSF/ANSI 49 biological challenge testing if the unit is programmed to operate longer than 15 seconds after an exhaust system failure.

Note: for further details see section N-1.14

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### 5.7 Internal corners and angles

#### 5.7.1 Interior work surfaces

##### 5.7.1.1 Two-plane intersection

An internal angle of 2 rad (110°) or less formed by the intersection of two planes, which is subject to manual cleaning, shall have a minimum continuous and smooth radius of 0.13 inch (3.2 mm) (see Figure 2).

##### 5.7.1.2 Three-plane intersection

An internal corner formed by the intersection of three planes at 2 rad (110°) or less, subject to manual cleaning, shall have a minimum continuous and smooth radius of 0.25 inch (6.4 mm) for a vertical or horizontal intersection. The alternate intersections shall have a minimum continuous and smooth radius of 0.13 inch (3.2 mm) (see Figure 2).

~~**5.7.1.3 Fillet material**~~

~~Parent material or hard solder may be used as fillet material in structurally sound seams.~~

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### 5.9 Joints and seams

#### 5.9.1 ~~Interior work and exposed~~ Total work area and drain pan ~~interior~~ surfaces

All joints and seams subject to routine manual cleaning shall be sealed as smooth as the surfaces being joined. Perimeter drain spillage trough joints and seams shall be welded and sealed. All other seams shall be sealed. ~~Equipment parts shall be stamped, extruded, formed, or cast in one piece. Joints shall be fabricated to eliminate dirt-catching horizontal ledges.~~

#### 5.9.2 Other interior and exterior surfaces

All joints and seams subject to routine splash, or spillage, or both, shall be sealed and smooth. All joints and seams subject to exposure to vapor, or toxic volatile substances, or both, and exposed to the outside environment shall be sealed. ~~All other seams shall be closed.~~

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

# NSF/ANSI International Standard for Biosafety Cabinetry —

## Normative Annex 1

(formerly Annex A)

### Performance tests

#### N-1.12.3 Method

a) Set the cabinet at the manufacturer's recommended nominal set points ± 2 ft/min (0.01 m/s).

b) Measure the total airflow volume rate, $ft^3$/min ($m^3$/s), and determine that the cabinet blower is delivering at the nominal set point (see Sections N-1.8 and N-1.9). The cabinet supply air volume shall be determined as in Section N-1.9.3.4.4.d.

c) Locate the testing organization approved[1] positive and negative pressure taps. The manufacturer shall locate the positive pressure tap (see Figure 25) directly above the downflow HEPA/ULPA filter to allow conversion of velocity pressure to static pressure. The positive pressure tap shall not be located in the face of the blower outlet (see Figure 25). If more than one pressure tap is used, as in a piezometer ring, pressure taps may be connected together for an average reading. The manufacturer shall locate the negative pressure tap not ~~less~~ more than one-half equivalent diameter from the blower inlet. In the case of double inlet blowers, static measurements shall be made in both blower inlets and connected together for an average static pressure (see Figure 26). If it is not possible to mount both static pressure taps due to cabinet design, one tap will be sufficient. For negative pressure tap, use a series pressure tap (see Figure 27). Attach manometers to each pressure tap and record result. The positive pressure reading is the initial static pressure reference point. The sum of the positive and negative readings without reference sign is the total cabinet static pressure.

***Rationale**: This language clarifies, the makes consistent, normative language within this section and the figure used to illustrate the procedure.*

[1] Manufacturer to supply positive and negative pressure taps (see Figure 27) on units submitted for laboratory cabinet design certification.

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

# NSF/ANSI International Standard for Biosafety Cabinetry —

## Normative Annex 1

(formerly Annex A)

**Performance tests**

## N-1.12 Motor / blower performance

### N-1.12.1 Purpose

This test demonstrates that the motor / blower will operate at a static pressure sufficient to meet the requirements of Section 6.13.

### N-1.12.2 Apparatus

Instrumentation required in Sections N1.8 and N-1.9 ~~and N-1.10~~ shall be used. A manometer with an accuracy of at least ± 2% of reading ± 0.001 in w.g. (0.2 Pa) shall be used.

### N-1.12.3 Method

a) Set the cabinet at the manufacturer's recommended nominal set points ± 2 ft/min (0.01 m/s).

b) Measure the total airflow volume rate, $ft^3$/min ($m^3$/s). The total airflow volume rate is the flow from all cabinet fans and does not include facility exhaust. The downflow volume rate is always measured for this test. The inflow volume rate is measured only for type A and type C cabinets. Measure inflow volume rate following the procedure in N.1.9, using the direct inflow reading instrument. Measure the downflow velocity following the procedure in N.1.8 and then multiply the overall average downflow velocity by the area of the measurement plane to calculate the downflow volume rate. For type A and type C cabinets, add the inflow and downflow volume measurements together for total airflow volume. ~~and determine that the cabinet blower is delivering at the nominal set point (see Sections N-1.8 and N-1.9). The cabinet supply air volume shall be determined as in Section N-1.9.3.4.4.d.~~

c) Locate the testing organization approved positive and negative pressure taps. The manufacturer shall locate the positive pressure tap (see Figure 25) directly above the downflow HEPA/ULPA filter to allow conversion of velocity pressure to static pressure. The positive pressure tap shall not be located in the face of the blower outlet (see Figure 25). If more than one pressure tap is used, as in a piezometer ring, pressure taps may be connected together for an average reading. The manufacturer shall locate the

negative pressure tap not less than one-half equivalent diameter from the blower inlet. In the case of double inlet blowers, static measurements shall be made in both blower inlets and connected together for an average static pressure (see Figure 26). If it is not possible to mount both static pressure taps due to cabinet design, one tap will be sufficient. For negative pressure tap, use a series pressure tap (see Figure 27). Attach manometers to each pressure tap and record result. The positive pressure reading is the initial static pressure reference point. The sum of the positive and negative readings without reference sign is the total cabinet static pressure.

d) Increase the initial negative pressure reading by 50% or more of the initial positive pressure reading by restricting the cabinet's negative airflow. To accomplish this, monitor the cabinet's initial negative pressure, and load or restrict the cabinet's negative airflow area (i.e., Type A1, A2, or B1-front grill or Type B2-supply air inlet) until the initial negative pressure has increased by 50% of the initial positive pressure reading. In the case where the first loaded HEPA/ULPA filter is under negative pressure (Type B1), the 50% positive pressure value shall be considered 50% of the pressure drop of the first HEPA/ULPA filter.

e) Measure the total volume of airflow ($ft^3$/min [$m^3$/s]) the restricted cabinet blower is delivering (see section N-1.12, b)) ~~(see Sections N-1.9 and N-1.9.3.4.4.d).~~

f) Record the initial negative and positive pressures, the final negative pressures, and the initial and final airflow volume rates.

### N-1.12.4 Acceptance

The total airflow volume rate, $ft^3$/min ($m^3$/s), shall not decrease more than 10% meeting the requirements of Section 6.13.

***Rationale:*** *This issue does not impact public health but will aid NSF for cabinet testing throughput. Currently, NSF/ANSI 49 has a requirement stated for motor blower capacity that is outdated. The technology at the time language was written included the use of a single-phase AC Permanent Spilt Capacitor (PSC) motor using simple non-compensating Triac motor speed control. Technology is vastly improved and this language corrects for this adaptation.*

**[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 System Components – Health Effects

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## 7 Process media

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**Table 7.2**
**Process media exposure weight per volume ratios**

| **Media type** | **Weight per volume** [ab] |
|---|---|
| media with manufacturer's use instructions | greater than or equal to manufacturer's recommended use concentration [b] |
| adsorption media: | — |
| activated alumina | ≥ 625 ~~± 25~~ g/L |
| GAC and PAC | ≥ 25 ~~± 5~~ g/L |
| anthracite and gravel: [c] | — |
| ≤ $^3/_8$-in diameter particles | ≥ 625 ~~± 25~~ g/L |
| > $^3/_8$-in diameter particles | ≥ 1,250 ~~± 25~~ g/L |
| filter precoat media (e.g., perlite, diatomaceous earth) | 10 times the manufacturer's recommended use concentration |
| filtration media other than anthracite or gravel | ≥ 625 ~~± 25~~ g/L |
| ion exchange resins | ≥ 625 ~~± 25~~ g/L |
| synthetic media | ≥ 625 ~~± 25~~ g/L |
| point-of-entry (POE) system media | greater than or equal to manufacturer's recommended use concentration [d] |

[a] Weight per volume of the product on an "as shipped" basis.

[b] The weight per volume exposure amounts shall be no greater than 5% of the proposed amount. ~~Media with manufacturer's recommended use concentration shall be exposed at this use concentration or higher.~~

[c] For the size range specified, not more than 8% by weight shall be either finer than or coarser than the designated size limit (ANSI/AWWA B100-96).

[d] For POE application media, this shall be the maximum value recommended by the manufacturer of the ratio of the weight of media[1a] per UVV of a POE system.

***Rationale:***

***Language in the body of the standard states that the amount of media exposed should meet or exceed its specific weight per volume ratio found in table 7.2. Removing the ± in Table 7.2 and replacing it with ≥ aligns table guidance with the language in the body of the standard and prevents underexposing. Footnote b is being removed/modified as it is redundant to the statement in the table. The proposed replacement for footnote b indicates a maximum exposure amount.***

**BSR/UL 979 Standard for Safety for Water Treatment Appliances**

**Topic 1. Revisions based on latest version of UL 4200A.**

**8A Button Batteries or Coin Cell Batteries**

8A.1 The battery compartment of an appliance or any accessory, such as a wireless control, incorporating one or more button batteries or coin cell batteries of lithium technologies shall comply with UL 4200A, if the appliance or any accessory:

a) Is intended for use with one or more single cell batteries having a diameter of 32 mm (1.25 inch) maximum with a diameter greater than its height; and

b) The appliance is intended for ~~household~~ consumer use.

*Exception: ~~UL 4200A is not applied to water treatment appliances that, by virtue of their dedicated purpose and instructions, are not intended to be used in locations where they may be accessed by children.~~ These requirements apply to consumer products containing button batteries or coin cells batteries. They do not apply to products that by virtue of their dedicated purpose and instructions are not intended to be used in locations where they may be accessed by children, such as products for dedicated professional use or commercial use in locations where children are not normally or typically present."*

**Topic 2. Clarification of the Frequency During Tests**

**PERFORMANCE**

**37 General**

37.1 Other than as noted in 37.2, an appliance shall comply with the tests described in Sections 38 – 64. The tests shall be conducted ~~at rated frequency and~~ at the test potential specified in Table 37.1. An appliance having a single frequency rating is to be tested at that frequency. An appliance rated ac/dc or dc-60 Hz is to be tested on direct current or 60-Hz alternating current, whichever results in higher temperatures. An appliance rated 25 – 60 Hz or 50 – 60 Hz or 50 / 60 Hz is to be tested on 60-Hz alternating current.

**BSR/UL 61010-2-202, Standard for Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 2-202: Particular Requirements for Electrically Operated Valve Actuators**

**1. Adoption of IEC 61010-2-202, Safety Requirements for Electrical Equipment for Measurement, Control and Laboratory Use - Part 2-202: Particular Requirements for Electrically Operated Valve Actuators (second edition, issued by IEC November 2020) as a new IEC-based UL standard, UL 61010-2-202 with US Differences.**

**PROPOSAL**
**1.1.2DV DC Modification of Clause 1.1.2 to replace bb) and NOTE 2 with the following:**

**bb) safety ACTUATORs and SOLENOIDs performing a safety function as covered by UL 429;**

**5.4.3DV D2 Modification to Clause 5.4.3 to add the following:**

**cc) instructions on how to install the equipment in order to guarantee the stated degree of protection according to UL 50 and UL 50E shall be provided.**

**14.101DV D2 Modification of Clause 14.101 to replace with the following:**

**The bobbins of the SOLENOID shall be made of material with a flammability classification of V-1, in accordance with UL 94, or better.**

**Insulating material or insulating bushing of the SOLENOID shall be made of material with a flammability classification of V-1, in accordance with UL 94, or better.**

**This requirement does not apply to SOLENOIDS which are only to be supplied from a limited-energy circuits meeting the requirements of 9.4.**

***Conformity is checked by inspection of data on materials or by performing the vertical burning tests specified in UL 94 on three samples of the relevant parts.***

**BSR/UL _2748___, Standard for Safety for __ Standard for Arcing Fault Quenching Equipment _____**

**1. Addition of Requirements for Option to Perform Arc Transfer Test at Less Than Maximum Rated Voltage**

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**1. Addition of Requirements for Option to Perform Arc Transfer Test at Less Than Maximum Rated Voltage**

**PROPOSAL**

~~**19A Mechanical Endurance**~~

~~19A.1 Resettable quenching devices shall be caused to operate, using the normal operating means, for a number of operations equal to two times the rated number of mechanical operations. One operation is defined as one tripping operation, followed by a reset operation, using the normal means to reset the device. For devices with both a manual and electrical resetting function, the final one half of the operations shall be conducted manually.~~

~~19A.2 At the conclusion of the mechanical endurance test, the device shall be in essentially the same mechanical condition as at the beginning of the test.~~

**19D Mechanical Endurance**

19D.1 Resettable quenching devices shall be caused to operate, using the normal operating means, for a number of operations equal to two times the rated number of mechanical operations. One operation is defined as one tripping operation, followed by a reset operation, using the normal means to reset the device. For devices with both a manual and electrical resetting function, the final one half of the operations shall be conducted manually.

19D.2 At the conclusion of the mechanical endurance test, the device shall be in essentially the same mechanical condition as at the beginning of the test.

~~19C.5 Quenching devices that are intended to be reset, rather than repaired or replaced, shall have functioned without failure after the quenching operation and the overall functional condition shall be unaffected.~~

19C.6 Quenching devices that are intended to be reset, rather than repaired or replaced, after a quenching operation shall have functioned without failure and shall comply with ~~shall meet~~ the Power Frequency Withstand Test for insulation integrity after the device has been reset following the final operation ~~fault-making test~~.

19C.7 Quenching devices that are intended to be repaired or replaced after a quenching operation shall have functioned without failure, but need not be functional after the test. Quenching devices that require repair or replacement after a quenching operation are not required to ~~test~~comply with the Power Frequency Withstand Test for insulation integrity.