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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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## AMCA (Air Movement and Control Association)

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

***Revision***

BSR/AMCA 500-D-202x, Laboratory Methods of Testing Dampers for Rating (revision of ANSI/AMCA 500-D-2018)
Stakeholders: Damper manufacturers, building engineers, product consumers, damper testing labs

Project Need: This project is needed to revise the current version of AMCA 500-D in accordance with our ANSI approved procedures. The review will also address any comments made on the standard since its last approval. The purpose of the standard is to establish uniform laboratory test methods for dampers.

Interest Categories: Interest Categories: Government Agency; Compliance; Testing Laboratory; User/Purchaser; Technical Manager; Academic Expert; Other Expert; General interest.

This standard may be used as a basis for testing dampers when air is used as the test gas. A test conducted in accordance with the requirements of this standard is intended to demonstrate the performance of a damper and is not intended to determine the acceptability level for a damper. It is not within the scope of this standard to indicate the actual sequence of testing. The parties to a test for guarantee purposes may agree to exceptions to this standard in writing prior to the test. However, only a test that does not violate any mandatory requirement of this standard shall be designated as a test conducted in accordance with this standard.

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

Tanisha Meyers-Lisle <tmlisle@ashrae.org> | 180 Technology Parkway | Peachtree Corners, GA 30092 www.ashrae.org

***New Standard***

BSR/ASHRAE Standard 244P-202x, Sustainability Assessment for Mechanical, Electrical, and Plumbing Products (new standard)
Stakeholders: Manufacturers of MEP Equipment, Code developers, government, owners/operators, utilities, regulatory agencies, facility managers.

Project Need: North America does not have PCRS for MEP Equipment. This is needed for the industry so that the rules used are consistent across manufacturers that will allow for comparisons. This will also result in consistent EPDs. The intent isn't to circumvent the existing ISO standard but to supplement it.

Interest Categories: Producer (manufacturer), User, General

1. This standard specifies the process for developing a lifecycle assessment-based product claim for Mechanical, Electrical, and Plumbing assemblies. 2.1 This standard applies to product assemblies in which multiple raw materials are combined or processed into a single unit. 2.2 This standard is intended for use by manufacturers and by ANSI-accredited program operators and independent verifiers participating in the preparation of a lifecycle assessment-based product claim. 2.3 The process includes: (a) creating or adopting the necessary product category rules (PCRs); (b) performing a lifecycle assessment (LCA) in accordance with the PCRs; (c) reporting the LCA results in the product claim document; (d) registering the product claim document for public access; and (e) updating PCRs and re-assessing products as needed. 2.4 This document is intended to supplement ISO 14025 and related standards where an existing product claim is (1) unavailable for individual components or (2) incompatible with the documentation requirements of the final assembly.

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

Tanisha Meyers-Lisle <tmlisle@ashrae.org> | 180 Technology Parkway | Peachtree Corners, GA 30092 www.ashrae.org

***New Standard***

BSR/ASHRAE Standard 245P-202x, Acceptable Performance Standard for District Cooling Systems (new standard)
Stakeholders: Producers, Users, design engineers, owners/operators, facility managers

Project Need: This standard is needed from a global perspective for district cooling plants. This is being based off the District Cooling Guides that are already published by ASHRAE.

Interest Categories: Producer, User, General. We may need owner/operator and Compliance.

(1) To establish the minimum acceptable performance requirements of district cooling system, for siting, design, construction, and operation and maintenance of components including, plant systems, distribution systems, and energy transfer stations. (2) To minimize emissions from district cooling plants and plant systems, conserve water resources, materials, and resources, and construction and plans for operation.

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

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

***Revision***

BSR/EOS ESD STM15.1-202X, ESD Association Standard Test Method for the Protection of Electrostatic Discharge Susceptible Items – Methods for Resistance Measurement of Gloves and Finger Cots (revision of ANSI/ESD STM15.1 -2019)
Stakeholders: Electronics Industry including telecom, consumer, medical, and industrial

Project Need: This document provides test procedures for measuring the intrinsic electrical resistance of gloves and finger cots, as well as their electrical resistance, together with personnel as a system. The system test provides data that are relevant to the user's specific environment and application.

Interest Categories: User, Manufacturer, Supplier, and General Interest

This document applies to all gloves and finger cots with a resistance measured with personnel as a system of less than 1.0 x 1011 ohms. This document provides test procedures for measuring the electrical resistance of gloves or finger cots. The document also provides methods for performing intrinsic resistance measurements that include surface, volume, and two-point resistance using ANSI/ESD STM11.11, STM11.12, and STM11.13, respectively. "In-use" resistance measurement of the glove/finger cot and personnel together as a system is defined using a constant area and force electrode (CAFE).

## HI (Hydraulic Institute)

Amy Sisto <asisto@pumps.org> | 300 Interpace Parkway, Building A, 3rd Floor, #280 | Parsippany, NJ 07054 www.pumps.org

***Revision***

BSR/HI 12.1-12.6-202x, Rotodynamic Centrifugal Slurry Pumps for Nomenclature, Definitions, Applications, and Operation (revision of ANSI/HI 12.1-12.6-2021)
Stakeholders: Specifying engineers, consulting companies, pump end users, and manufacturers focused in mining and other industries that pump abrasives such as sand, rock, and slurry would benefit from this standard.

Project Need: This project is being launched to conform to the agreed upon ANSI review timeline of 5 years. With a publication year of 2021, it is time for the committee to revisit this standard.

Interest Categories: Pump manufacturers, pump system end users, engineering design firms, pump system component manufacturers.

This standard covers the definition, design and application, installation, operation and maintenance, and specific testing of centrifugal slurry pumps. Slurry pumps are used for pumping and/or transporting mixtures of solids and liquids. Slurries are often abrasive and, if not considered, may cause high wear and shortened life of pumps. Unlike clear water, slurries alter the performance of the pumps and cause wear to the wet-end parts. Below a certain velocity, some slurries also settle out in the piping, causing blockages. These differences are such that if they are not taken into account, the pumps will not work satisfactorily or not at all. For this reason, this standard includes information about slurries and their effects, which is necessary to select, apply, operate, and maintain slurry pumps of different designs and materials of construction.

## HSI (Healthcare Standards Institute)

Lee Webster <lwebster@ingenesis.com> | 3004 Sea Pines Place | League City, TX 77573 www.hsi.health/

***New Standard***

BSR/HSI 4000-202x, Artificial Intelligence (AI) Governance in Healthcare Operations (new standard)
Stakeholders: Healthcare Industry and commerce - large industry Healthcare Industry and commerce SMEs Government (i.e.: Health and Human Services, NIST) Consumers and patients and patient advocacy groups Workforce (healthcare professionals and administrators) Academic & Research Bodies Non-governmental organizations.

Project Need: Scope: Covers all aspects of AI implementation, including development, deployment, and monitoring for staff, providers, vendors and patients. (1) Ethical and Privacy Framework to include patient interests, privacy, transparency and system accountability. It will also protect the interests of physicians and other clinical/administrative staff using AI within the scope of the standard. Transparency and disclosure will be essential for implementation, to include clear and understandable AI use, algorithms and risks. Clear lines of accountability for AI use will be established and aligned with ethics. This includes the ability to opt out from AI automated systems. (2) Regulatory Compliance to include required US and international regulations and guidelines for integrating AI in healthcare. This may require proof of alignment and compliance with HHS, CMS, FDA, and ONC requirements. (3) Data Governance that is built upon current data integrity/governance processes. AI must be addressed uniquely in official forums that address data that supports AI. Security processes must be documented and audited within an approved procedure. Consent processes must be established uniquely for AI use in both administrative and clinical settings. AI use and education must be included in the patient consent process which will also include potential algorithmic bias if applicable. (4) AI Development Processes will address how AI is developed, managed, accountable, purchased and implemented

Interest Categories: Producer: Producers are organizational members who use the standards, bulletins or other documents in question to develop products or implement services. User: Users are members who acquire from Producers equipment or services to which the standards, bulletins, or other documents apply. General Interest: General Interest members are neither Producers nor Users. This category may include regulatory agencies (state and federal), researchers, other organizations and associations, and consumers. Other interest categories such as the following may be established within a standards committee in order to insure adequate levels of representation. Government: Federal, state, and other regional regulatory body Legal or Consultants: Legal organizations and consultancies Academia:

Establish guidelines for integrating AI in healthcare system operations, both clinical and administrative. This should include its place in strategy to include goals and objectives assuring patient safety, improved outcomes, efficiency, equity, and community support. This standard will be the responsibility of the Board of Directors, with execution by the CEO and executive leadership.

## NCPDP (National Council for Prescription Drug Programs)

Margaret Weiker <mweiker@ncpdp.org> | 9240 East Raintree Drive | Scottsdale, AZ 85260 www.ncpdp.org

***New Standard***

BSR/NCPDP FIR v16-202x, NCPDP Financial Information Reporting Standard v16 (new standard)
Stakeholders: Pharmacy Benefit Managers, Software Developers

Project Need: The Financial Information Reporting Standard addresses the industry need to standardize the exchange of information when a patient under one plan sponsor has changed from one benefit plan PBM to another benefit plan and point-in-time financial information is moved from the previous PBM to the new PBM.

Interest Categories: Payer/Processor; Producer/Provider; Vendor/General Interest

Financial Information Reporting is a process whereby a patient, under one plan sponsor, has changed from one benefit plan PBM to another benefit plan PBM and point-in-time financial information is moved from the previous PBM to the new PBM. This information is necessary for the new PBM to accurately process claims and attribute plan balances and status for reporting to the plan sponsor. The implementation guide addresses the industry need to standardize the exchange of this information between plans.

## TIA (Telecommunications Industry Association)

Teesha Jenkins <tjenkins@tiaonline.org> | 1320 North Courthouse Road, Suite 200 | Arlington, VA 22201-2598 www.tiaonline.org

***National Adoption***

BSR/TIA 455-224-A-202x, Adoption of IEC 61744:2023 - Calibration of fibre optic chromatic dispersion test sets (identical national adoption of IEC 61744:2023 )
Stakeholders: End-users, installers, designers of optical fiber cabling systems, optical fiber test equipment manufacturers, optical fiber manufacturers, IEC TC86.

Project Need: Create new standard.

Interest Categories: User, Producer, and General Interest

Adopt IEC document: IEC 61744:2023 - Calibration of fibre optic chromatic dispersion test sets.

# Call for Comment on Standards Proposals

## American National Standards

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

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

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

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

## Comment Deadline: August 25, 2024

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

180 Technology Parkway, Peachtree Corners, GA 20092 | knguyen@ashrae.org, www.ashrae.org

***Addenda***

BSR/ASHRAE Addendum g to ANSI/ASHRAE Standard 15.2-2022, Safety Standard for Refrigeration Systems in Residential Applications (addenda to ANSI/ASHRAE Standard 15.2-2022)
This proposed addendum updates both the normative and informative references to ASHRAE Standard 15.2.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Online Comment Database at https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

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

180 Technology Parkway, Peachtree Corners, GA 20092 | knguyen@ashrae.org, www.ashrae.org

***Addenda***

BSR/ASHRAE Addendum h to ANSI/ASHRAE Standard 15.2-2022, Safety Standard for Refrigeration Systems in Residential Applications (addenda to ANSI/ASHRAE Standard 15.2-2022)
This proposed addendum is intended to align with the approved response to the ASHRAE 15 CMP 0012-001, which modified the definition of pressure vessel in ASHRAE Standard 15.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Online Comment Database at https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

# Comment Deadline: August 25, 2024

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

180 Technology Parkway, Peachtree Corners, GA 20092 | knguyen@ashrae.org, www.ashrae.org

***Addenda***

BSR/ASHRAE Addendum w to ASHRAE Standard 15-202x, Safety Standard for Refrigeration Systems (addenda to ANSI/ASHRAE Standard 15-2022)
This proposed addendum permits use of the ventilation airflow rate according to Section 8.9.6 (i.e., the √G equation of Section 8.9.8.1) where explosion proof electrical equipment is chosen as the compliance path, making ignition source engineering controls the primary means of risk management to mitigate the flammability hazard in machinery room applications employing Class 2L refrigerants, in the same manner as the requirements of Section 8.10 for Class 2 and Class 3 refrigerants. The other compliance path of using ventilation airflow rate according to Section 8.11.11 to mitigate the flammability hazard remains unchanged.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Online Comment Database at https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

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

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

***Addenda***

BSR/ASHRAE/IES Addendum ag to ANSI/ASHRAE/IES Standard 90.1-202x, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2022)
This draft addendum, initiated by a continuous maintenance proposal, improves the definition of series energy recovery ratio (SERR) by removing the specific dry bulb condition at which it is rated to allow the term to be used for different conditions.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

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

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

***Addenda***

BSR/ASHRAE/IES Addendum an to ANSI/ASHRAE/IES Standard 90.1-202x, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2022)
This addendum revises Section 9.5.1, Building Area Method lighting power density (LPD) values. These values are developed via a space-weighted average using the 9.5.2, Space-by-Space Method. This update was necessary because the 9.5.2 values were adjusted in Addendum s, which was recently approved for publication.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

# Comment Deadline: August 25, 2024

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

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

***Addenda***

BSR/ASHRAE/IES Addendum au to ANSI/ASHRAE/IES Standard 90.1-202x, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2022)
This addendum addresses the modeling of shading and glazing elements in the performance pathways, Section 12 and Appendix G. It enables automatically controlled shading devices as well as glazing to be credited in the proposed building.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

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

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

***Addenda***

BSR/ASHRAE/IES Addendum bb to ANSI/ASHRAE/IES Standard 90.1-202x, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2022)
This proposal increases the performance requirements for propeller or axial fan open-circuit cooling towers in accordance with ASHRAE TC 8.6 recommendations. The new efficiency level was found to be cost effective and compatible with the majority of products currently on the market.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

### NSF (NSF International)

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

***Revision***

BSR/NSF 49-202x (i173BBr1), 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 (i173CCr1), 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 25, 2024

**NSF (NSF International)**

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

***Revision***

BSR/NSF 49-202x (i173DDr1), 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 60-202x (i103r2), Drinking Water Treatment Chemicals - Health Effects (revision of ANSI/NSF/CAN 60-2021)
This standard contains health effects requirements for drinking water treatment chemicals that are directly added to water and are intended to be present in the finished water. This standard also contains health effects requirements for other chemical products that are directly added to water but are not intended to be present in the finished water.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Amy Jump <ajump@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 (i186r1), Drinking Water System Components - Health Effects (revision of ANSI/NSF/CAN 61-2023)
This standard is intended to cover specific materials or products that come into contact with drinking water, drinking water treatment chemicals, or both. The focus of the standard is evaluation of contaminants or impurities imparted indirectly to drinking water.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Amy Jump <ajump@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 (i187r1), Drinking Water System Components - Health Effects (revision of ANSI/NSF/CAN 61-2023)
This standard is intended to cover specific materials or products that come into contact with drinking water, drinking water treatment chemicals, or both. The focus of the standard is evaluation of contaminants or impurities imparted indirectly to drinking water.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Amy Jump <ajump@nsf.org>

# Comment Deadline: August 25, 2024

**ULSE (UL Standards & Engagement)**
47173 Benicia Street, Fremont, CA 94538 | Derrick.L.Martin@ul.org, https://ulse.org/

***Revision***

BSR/UL 746A-202X, Standard for Safety for Polymeric Materials - Short Term Property Evaluations (revision of ANSI/UL 746A-2024)
This proposal involves the inclusion of requirements for a new test method to measure resistivity of partially conductive polymeric materials in accordance with ASTM D4496 in a new Section 22 of UL 746A.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Derrick Martin; Derrick.L.Martin@ul.org

**ULSE (UL Standards & Engagement)**
12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | shannon.henesy@ul.org, https://ulse.org/

***Revision***

BSR/UL 962-202x, Standard for Safety for Household and Commercial Furnishings (revision of ANSI/UL 962 -2024)
This proposal covers: (1) Addition of UL 62133-2 to C5.2; (2) Addition of UL 62368-1 to Section C4.
Click here to view these changes in full
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.

**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 of ANSI/UL 2748-2020)
Addition of requirements for option to perform arc transfer Test at Less Than Maximum Rated Voltage

Note: This public review opportunity replaces the version announced in the July 19, 2024 edition of Standards Action.
Click here to view these changes in full
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 | Doreen.Stocker@ul.org, https://ulse.org/

***Revision***

BSR/UL 62841-2-5-202x, Standard for Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety - Part 2-5: Particular Requirements for Hand-Held Circular Saws (revision of ANSI/UL 62841-2-5-2019)
Proposed revision to correct clause number.
Click here to view these changes in full
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/Home/ProposalsDefault.aspx.

# Comment Deadline: August 25, 2024

### ULSE (UL Standards & Engagement)

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

***Revision***

BSR/UL/ULC 1370-202x, Standard for Unvented Alcohol Fuel Burning Decorative Appliances (revision of ANSI/UL 1370)

1 Scope 1.1 These requirements apply to factory-built unvented decorative appliances, that burn liquid or gelled alcohol-based fuels, and are intended to be fixed, non-moveable appliances, including only the following: (a) Floor-mounted appliances; (b) Wall-mounted appliances; (c) Free-standing appliances; (d) Fireplace grates installed in existing masonry fireplaces, and rated below 40,000 Btu/h (11.7 kW) output; and (e) Appliance combustion chambers installed into site-built enclosures. 1.2 These appliances are intended to be decorative in nature and not intended to be utilized as a primary heat source. These appliances are limited to a maximum fuel input rate of 0.25 US gal/h (0.95 L/h). 1.3 Floor-mounted, wall-mounted and free-standing appliances include an integral enclosure, fire chamber and fuel reservoir, or combination unit, and provision for refueling. 1.4 These appliances are not intended for: (a) Use with fuel oils, kerosene, gasoline, and other non-alcohols; (b) Use in spaces in which flammable vapors or gases may be present; (c) Use as cooking appliances; (d) Use in conjunction with blower assemblies; (e) Installation in a bathroom; or (f) Installation in a room where sleeping accommodation is provided.

Click here to view these changes in full

Send comments (copy psa@ansi.org) to: Isabella Brodzinski, project manager, isabella.brodzinski@ul.org

# Comment Deadline: September 9, 2024

### AAFS (American Academy of Forensic Sciences)

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

***New Standard***

BSR/ASB Std 102-202x, Standard for Verification of Source Conclusions in Toolmark Examinations (new standard)

This document provides requirements for conducting verifications of source conclusions arising from forensic toolmark comparisons. This document is limited to the process of performing a quality check of the source conclusions reached by the primary firearm and toolmark examiner in a case and does not address or consider other types of technical casework review.

Single copy price: Free

Obtain an electronic copy from: This is a public comment period for a recirculation. Updated document, redline version, and comments can be viewed on the AAFS Standards Board website at: www.aafs.org/academy-standards-board.

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

# Comment Deadline: September 9, 2024

### AAFS (American Academy of Forensic Sciences)

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

*New Standard*

BSR/ASB Std 136-202x, Forensic Laboratory Standard for Prevention, Monitoring, and Mitigation of Human DNA Contamination (new standard)
This standard provides requirements for limiting, detecting, assessing the source of, and mitigating the effect of DNA contamination as applied to PCR-based human DNA analysis conducted within a forensic laboratory (i.e., casework and DNA database).
Single copy price: Free
Obtain an electronic copy from: This is a public comment period for a recirculation. Updated document, redline version, and comments can be viewed on the AAFS Standards Board website at: www.aafs.org/academy-standards-board.
Send comments (copy psa@ansi.org) to: asb@aafs.org

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

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

*National Adoption*

BSR/AAMI/ISO 8637-1-202x, Extracorporeal systems for blood purification-Part 1: Haemodialysers, haemodiafilters, haemofilters and haemoconcentrators (identical national adoption of ISO 8637-1:2024 and revision of ANSI/AAMI/ISO 8637-1-2017)
This document specifies requirements and test methods for haemodialysers, haemodiafilters, haemofilters, and haemoconcentrators, hereinafter collectively referred to as “the device”, for use in humans.
This document does not apply to:
— extracorporeal blood circuits;
— plasmafilters;
— haemoperfusion devices;
— vascular access devices;
— blood pumps;
— systems to prepare, maintain, or monitor dialysis fluid;
— systems or equipment intended to perform haemodialysis, haemodiafiltration, haemofiltration, or haemoconcentration;
— reprocessing procedures and equipment.
Single copy price: Free
Obtain an electronic copy from: jzajac@aami.org
Send comments (copy psa@ansi.org) to: Same

# Comment Deadline: September 9, 2024

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

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

*National Adoption*

BSR/AAMI/ISO 8637-2-202x, Extracorporeal systems for blood purification-Part 2: Extracorporeal blood and fluid circuits for haemodialysers, haemodiafilters, haemofilters and haemoconcentrators (identical national adoption of ISO 8637-2:2024 and revision of ANSI/AAMI/ISO 8637-2-2018)
This document specifies requirements for disposable extracorporeal blood and fluid circuits and accessories used in combination with haemodialysis equipment intended for extracorporeal blood treatment therapies such as, but not limited to, haemodialysis, haemodiafiltration, and haemofiltration.
This document does not apply to:
— haemodialysers, haemodiafilters or haemofilters;
— plasmafilters;
— haemoperfusion devices; and
— vascular access devices.
Single copy price: Free
Obtain an electronic copy from: jzajac@aami.org
Send comments (copy psa@ansi.org) to: Same

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

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

*National Adoption*

BSR/AAMI/ISO 8637-3-202x, Extracorporeal systems for blood purification-Part 3: Plasmafilters (identical national adoption of ISO 8637-3:2024 and revision of ANSI/AAMI/ISO 8637-3-2018)
This document specifies requirements and test methods for plasmafilters, a device intended for the separation of plasma from blood in therapeutic plasmapheresis therapy. It specifies the requirements for sterile, single-use plasmafilters, intended for use on humans, hereinafter collectively referred to as “the device”, for use in humans. This document does not apply to;
— extracorporeal blood circuits;
— haemodialysers, haemodiafilters, haemofilters, and haemoconcentrators;
— haemoperfusion devices;
— vascular access devices;
— blood pumps; and
— systems or equipment intended to perform plasma separation.
Single copy price: Free
Obtain an electronic copy from: jzajac@aami.org
Send comments (copy psa@ansi.org) to: Same

# Comment Deadline: September 9, 2024

## AGMA (American Gear Manufacturers Association)

1001 N. Fairfax Street, Suite 500, Alexandria, VA 22314 | olson@agma.org, www.agma.org

### *Reaffirmation*

BSR/AGMA 6025-E19, Sound for Enclosed Helical, Herringbone and Spiral Bevel Gear Drives (reaffirmation of ANSI/AGMA 6025-E19)
The standard describes a recommended method of acceptance testing and reporting of the sound power or sound pressure levels generated by a gear unit when tested at the manufacturer's facility. The results obtained should represent only the sound of the gear unit. Other systems influenced such as the prime mover or driven equipment are minimized. The purchaser should not expect to translate the manufacturer's test results directly to the system installation because of differences in environment, mounting, and system effects.
Single copy price: $250.00
Obtain an electronic copy from: tech@agma.org
Send comments (copy psa@ansi.org) to: Todd Praneis, tech@agma.org

## AIAA (American Institute of Aeronautics and Astronautics)

12700 Sunrise Valley Drive, Suite 200, Reston, VA 20191-5807 | NickT@aiaa.org, www.aiaa.org

### *Revision*

BSR/AIAA S-102.2.4-202x, Capability-Based Failure Mode, Effects and Criticality Analysis (FMECA) Requirements (revision of ANSI/AIAA S-102.2.4-2015)
This standard provides the basis for developing the analysis of failure modes, their effects, and criticality in the context of individual products along with the known performance of their elements. The requirements for contractors, the planning and reporting needs, along with the analytical methodology are established. The linkage of this Standard to the other standards in the new family of capability-based safety, reliability, and quality assurance standards is described, and keywords for use in automating the Product FMECA process are provided.
Single copy price: Free
Obtain an electronic copy from: nickt@aiaa.org
Send comments (copy psa@ansi.org) to: Same

## APCO (Association of Public-Safety Communications Officials-International)

351 N. Williamson Boulevard, Daytona Beach, FL 32114-1112 | jarrella@apcointl.org, www.apcoIntl.org

### *Revision*

BSR/APCO 1.107.2-202X, Standard for the Establishment of a Quality Assurance and Quality Improvement Program for Emergency Communication Centers (revision of ANSI/APCO 1.107.1-2015)
This standard identifies the recommended minimum components of a Quality Assurance/Quality Improvement (QA/QI) program within an Emergency Communication Center (ECC). It recommends effective procedures for implementing a QA/QI program to evaluate the performance of ECC Personnel.
Single copy price: Free
Obtain an electronic copy from: apcostandards@apcointl.org
Send comments (copy psa@ansi.org) to: apcostandards@apcointl.org, jarrella@apcointl.org

# Comment Deadline: September 9, 2024

### ASA (ASC S1) (Acoustical Society of America)

1305 Walt Whitman Road, Suite 300, Melville, NY 11747 | standards@acousticalsociety.org, www.acousticalsociety.org

***Reaffirmation***

BSR/ASA S1.40-2006 (R202x), Specifications and Verification Procedures for Sound Calibrators (reaffirmation of ANSI/ASA S1.40-2006 (R2020))
This Standard specifies performance requirements for coupler-type sound calibrators. It replaces ANSI S1.40 -1984 standard Specifications for Acoustical Calibrators, and is technically equivalent (except for the absence of requirements for radio-frequency emissions) to International Standard IEC 60942:2003, Electroacoustics—Sound calibrators. The standard specifies performance requirements for the sound pressure level, frequency, and total distortion generated by a sound calibrator. It also provides requirements for the influence of environmental conditions, for electromagnetic compatibility, and for instrument marking and documentation.
Single copy price: $169.00
Obtain an electronic copy from: standards@acousticalsociety.org
Send comments (copy psa@ansi.org) to: Same

### ASA (ASC S1) (Acoustical Society of America)

1305 Walt Whitman Road, Suite 300, Melville, NY 11747 | standards@acousticalsociety.org, www.acousticalsociety.org

***Withdrawal***

ANSI/ASA S1.20-2012 (R2020), Procedures for Calibration of Underwater Electroacoustic Transducers (withdrawal of ANSI/ASA S1.20-2012 (R2020))
This standard establishes measurement procedures for calibrating underwater electroacoustic transducers. It is a revision of standard S1.20-1988 (R2003). Both primary and secondary calibration procedures are specified for frequencies from a few hertz to a few megahertz. Procedures are specified for determining the measurable characteristics of free-field receive voltage sensitivity, transmitting response, directional response, voltage coupling loss, impedance, and equivalent noise pressure. Measurement uncertainty analysis is introduced for these measurement types, with identification of common error sources.
Single copy price: $169.00
Obtain an electronic copy from: standards@acousticalsociety.org
Send comments (copy psa@ansi.org) to: Same

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

2950 Niles Road, Saint Joseph, MI 49085 | companion@asabe.org, https://www.asabe.org/

***Revision***

BSR/ASABE S642.1 MONYEAR-202x, Recommended Methods for Measurement and Testing of Electromagnetic Radiation Sources for Plant Growth and Development (revision and redesignation of ANSI/ASABE S642.1 MONYEAR-202x)
This document describes methods for measurement and testing of electromagnetic radiation sources, both passively cooled and actively cooled, with a spectral range between 280 nm and 800 nm, used for plant growth and development. These methods are necessary to obtain information about device characteristics and long-term change behaviors. This document is intended to cover LED as well as non-LED sources such as Incandescent, Fluorescent, High Intensity Discharge (HID) such as High Pressure Sodium (HPS), metal halide (MH), or other sources used for plant growth and development.
Single copy price: Free
Obtain an electronic copy from: companion@asabe.org
Send comments (copy psa@ansi.org) to: Same

# Comment Deadline: September 9, 2024

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

2950 Niles Road, Saint Joseph, MI 49085 | companion@asabe.org, https://www.asabe.org/

***Withdrawal***

ANSI/ASABE/ISO 15077-2008 OCT2008 (R2024), Tractors and Self-Propelled Machinery for Agriculture - Operator Controls - Actuating Forces, Displacement, Location and Method of Operation (withdrawal of ANSI/ASABE/ISO 15077-2008 OCT2008 (R2024))
Specifies the preferred method of operation and requirements related to operator controls actuated by hand and foot, installed in agricultural tractors and self propelled agricultural machinery and used by a seated operator as intended and under the conditions foreseen by the manufacturer. It also gives recommendations for the maximum control actuating forces, direction of motion, and location of these controls.
Single copy price: Free
Obtain an electronic copy from: companion@asabe.org
Send comments (copy psa@ansi.org) to: Same

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

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

***Addenda***

BSR/ASHRAE/IES Addendum ab to ANSI/ASHRAE/IES Standard 90.1-202x, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2022)
This addendum adjusts the exterior lighting zone descriptions in Section 9.5.3 to match industry guidance found in IES Recommended Practice RP-43. It also updates Lighting Power Density requirements for exterior applications.
Single copy price: $35.00
Obtain an electronic copy from: standards.section@ashrae.org
Send comments (copy psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

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

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

***Addenda***

BSR/ASHRAE/IES Addendum af to ANSI/ASHRAE/IES Standard 90.1-202x, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2022)
The addendum modifies Section 10.4.1, covering electric motor efficiency, to align with DOE 10 CFR 431. On June 1, 2023, DOE issued a direct final adopting new and amended efficiency standards for electric motors. The changes, which go into effect on June 1, 2027 are reflected in this addendum.
Single copy price: $35.00
Obtain an electronic copy from: standards.section@ashrae.org
Send comments (copy psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

# Comment Deadline: September 9, 2024

**ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)**
180 Technology Parkway, Peachtree Corners, GA 30092 | etoto@ashrae.org, www.ashrae.org

***Addenda***

BSR/ASHRAE/IES Addendum aj to ANSI/ASHRAE/IES Standard 90.1-202x, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2022)
This addendum updates the pool dehumidifier requirements in Section 6.5.6.4 in response to a continuous maintenance proposal. Dehumidification systems for pools greater than 400 square feet will be required to utilize all of the available condenser heat to meet pool water heating and/or space heating loads before other means of heating are to be employed. This addendum also provides requirements for exhaust air energy recovery systems if the minimum ventilation rates specified in new Table 6.5.6.4 are exceeded at a particular design temperature and Climate Zone.
Single copy price: $35.00
Obtain an electronic copy from: standards.section@ashrae.org
Send comments (copy psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

**ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)**
180 Technology Parkway, Peachtree Corners, GA 30092 | etoto@ashrae.org, www.ashrae.org

***Addenda***

BSR/ASHRAE/IES Addendum am to ANSI/ASHRAE/IES Standard 90.1-202x, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2022)
This addendum revises the fenestration criteria in Tables 5.5-0 through 5.5-8. The committee has determined that the new values are cost effective. Additionally, a new U-factor allowance is provided for prescriptive compliance where products are installed at higher elevations in Climate Zones 5-7.
Single copy price: $35.00
Obtain an electronic copy from: standards.section@ashrae.org
Send comments (copy psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

**ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)**
180 Technology Parkway, Peachtree Corners, GA 30092 | etoto@ashrae.org, www.ashrae.org

***Addenda***

BSR/ASHRAE/IES Addendum as to ANSI/ASHRAE/IES Standard 90.1-202x, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2022)
This addendum replaces “performance curves” with a new defined term, expanded performance data, a more suitable descriptor for what is expected to be available from manufacturers for modeling HVAC&R equipment.
Single copy price: $35.00
Obtain an electronic copy from: standards.section@ashrae.org
Send comments (copy psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

# Comment Deadline: September 9, 2024

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

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

***Addenda***

BSR/ASHRAE/IES Addendum aw to ANSI/ASHRAE/IES Standard 90.1-202x, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2022)
This proposal revises the steel-frame wall U-factors in Table A3.3.3.1 based on updated linear thermal bridge psi-factors for steel framing members derived from hot-box test data. The alternative method for determining U-factors of steel-framed walls in Section A9.2 has also been rewritten to more clearly communicate that either the psi-factor or the modified AISI S250 calculation method can be used.
Single copy price: $35.00
Obtain an electronic copy from: standards.section@ashrae.org
Send comments (copy psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

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

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

***Addenda***

BSR/ASHRAE/IES Addendum ay to ANSI/ASHRAE/IES Standard 90.1-202x, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2022)
This proposal updates Section 5 and Appendix A to provide a means for determining the effective U-factor of wall assemblies where insulation is interrupted by cladding supports.
Single copy price: $35.00
Obtain an electronic copy from: standards.section@ashrae.org
Send comments (copy psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

### ASIS (ASIS International)

1625 Prince Street, Alexandria, VA 22314-2818 | standards@asisonline.org, www.asisonline.org

***New Standard***

BSR/ASIS SSEC-202x, School Security (new standard)
This Standard provides requirements and guidance for the development, implementation, maintenance, and continual improvement of a comprehensive school security program (that includes security, behavioral threat assessment and management, and emergency operations planning). It addresses assessing risk and developing protective strategies (utilizing physical security principles) for applying security measures necessary to support and promote safe educational environments (K-12).
Single copy price: $50.00
Obtain an electronic copy from: https://www.asisonline.org/publications--resources/standards--guidelines/
Send comments (copy psa@ansi.org) to: Aivelis Opicka <standards@asisonline.org>

# Comment Deadline: September 9, 2024

### ASTM (ASTM International)

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

*Revision*

BSR/ASTM E3149-202x, Guide for Facial Image Comparison Feature List for Morphological Analysis (revision of ANSI/ASTM E3149-2018)
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
Obtain an electronic copy from: accreditation@astm.org
Send comments (copy psa@ansi.org) to: Same

### CTA (Consumer Technology Association)

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

*Reaffirmation*

BSR/CTA 2031-A (R202x), Testing and Measurement Methods for In-Vehicle Loudspeaker Systems (reaffirmation of ANSI/CTA 2031-A-2019)
This standard defines test procedures for rating the performance and physical size of In-Vehicle loudspeakers, and requirements for reporting these characteristics. This standard, when used in conjunction with CTA 2006-A, Testing and Measurement Methods for In-Vehicle Audio Amplifiers, enables consumers to select In-Vehicle loudspeakers with power handling capabilities that are appropriate for the power output characteristics of their In-Vehicle amplifiers.
Single copy price: Free
Obtain an electronic copy from: standards@cta.tech
Send comments (copy psa@ansi.org) to: Same

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

4755 East Philadelphia Street, Ontario, CA 91761 | standards@iapmostandards.org, https://www.iapmostandards.org

*New Standard*

BSR/IAPMO Z1059-202x, Wastewater Diverter Valves and Diversion Systems (new standard)
This standard covers wastewater diverter valves and diversion systems and specifies requirements for materials, physical characteristics, performance testing, and markings. Wastewater diverter valves covered by this Standard can be used in alternate water source systems for indoor and outdoor non potable uses. This standard does not cover grey water diversion valves which are addressed in ASME A112.18.2/CSA B125.2.
Single copy price: Free
Obtain an electronic copy from: standards@iapmostandards.org
Send comments (copy psa@ansi.org) to: Same

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

4755 East Philadelphia Street, Ontario, CA 91761 | standards@iapmostandards.org, https://www.iapmostandards.org

*New Standard*

BSR/IAPMO Z1119-202x, Water-Powered Sump Pumps (new standard)
This Standard covers water-powered sump pumps intended to provide emergency or backup groundwater or storm water removal from buildings in the event of power failure and specifies requirements for materials, physical characteristics, performance testing, and markings. Water-powered sump pumps covered by this Standard are not intended for the removal of sanitary sewer water (sewage).
Single copy price: Free
Obtain an electronic copy from: standards@iapmostandards.org
Send comments (copy psa@ansi.org) to: Same

# Comment Deadline: September 9, 2024

### NEMA (ASC C119) (National Electrical Manufacturers Association)

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

***Revision***

BSR C119.5-202x, Insulation Piercing Connector Systems, Rated 2000 Volts or Less (Low-Voltage Aerial Bundled Cables and Insulated and Non-Insulated Line Wires) (revision of ANSI C119.5-2018)
This Standard covers insulation piercing connectors used for making electrical connections between insulated, insulated-to-bare, and bare-to-bare conductors rated 600 1500V/2000V (Sealed/Non-Sealed) or less and 90°C (low-voltage aerial bundled cables and bare and insulated line wires) on overhead distribution lines for electric utilities. Underground insulation piercing connector systems rated at 600 V are covered by ANSI C119.1.
Single copy price: $132.00
Obtain an electronic copy from: pau_orr@nema.org
Send comments (copy psa@ansi.org) to: Same

### NEMA (ASC C119) (National Electrical Manufacturers Association)

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

***Revision***

BSR C119.6-202x, Electric Connectors-Non-Sealed, Multiport Connector Systems Rated 600 Volts or Less for Aluminum and Copper Conductors (revision of ANSI C119.6-2018)
This standard covers non-sealed, multiport distribution connectors rated 600 volts or less used for making electrical connections between aluminum-to-aluminum, aluminum-to-copper, or copper-to-copper conductors for above-grade, electric utility applications.
Single copy price: $128.00
Obtain an electronic copy from: pau_orr@nema.org
Send comments (copy psa@ansi.org) to: Same

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

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

***National Adoption***

BSR C12/IEC 62056-5-3 ED4-202x, Electricity metering data exchange - The DLMS/COSEM suite - Part 5-3: DLMS/COSEM application layer (identical national adoption of IEC 62056-5-3 ED4)
This part of IEC 62056 specifies the DLMS/COSEM application layer in terms of structure, services and protocols for DLMS/COSEM clients and servers, and defines rules to specify the DLMS/COSEM communication profiles. It defines services for establishing and releasing application associations, and data communication services for accessing the methods and attributes of COSEM interface objects, defined in IEC 62056-6-2 using either logical name (LN) or short name (SN) referencing.
Single copy price: $475.00
Obtain an electronic copy from: pau_orr@nema.org
Send comments (copy psa@ansi.org) to: Same

# Comment Deadline: September 9, 2024

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

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

***National Adoption***

BSR C12/IEC 62056-6-1 ED4-202x, Electricity metering data exchange - The DLMS/COSEM suite - Part 6-1: Object Identification System (OBIS) (identical national adoption of IEC 62056-6-1 ED4)
This part of IEC 62056 specifies the overall structure of the OBject Identification System (OBIS) and the mapping of all commonly used data items in metering equipment to their identification codes. OBIS provides a unique identifier for all data within the metering equipment, including not only measurement values, but also abstract values used for configuration or obtaining information about the behavior of the metering equipment.
Single copy price: $392.00
Obtain an electronic copy from: pau_orr@nema.org
Send comments (copy psa@ansi.org) to: Same

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

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

***National Adoption***

BSR C12/IEC 62056-6-2 ED4-202x, Electricity metering data exchange - The DLMS/COSEM suite - Part 6-2: COSEM interface classes (identical national adoption of IEC 62056-6-2 ED4)
This part of IEC 62056 specifies a model of a meter as it is seen through its communication interface(s). Generic building blocks are defined using object-oriented methods, in the form of interface classes to model meters from simple up to very complex functionality.
Single copy price: $475.00
Obtain an electronic copy from: pau_orr@nema.org
Send comments (copy psa@ansi.org) to: Same

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

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

***National Adoption***

BSR C12/IEC 62056-8-8 ED1-202x, Electricity metering data exchange - The DLMS/COSEM suite - Part 8-8: Communication profile for ISO/IEC 14908 series networks (identical national adoption of IEC 62056-8-8:2020)
Describes how the DLMS/COSEM Application layer and the COSEM object model, as specified in IEC 62056-5 -3:2017, IEC 62056-6-1:2017, and IEC 62056-6-2:2017, can be used over the lower layers specified in the IEC 14908 series, forming a DLMS/COSEM ISO/IEC 14908 communication profile. This document is part of the IEC 62056 series. Its structure follows IEC 62056-1-0 and IEC TS 62056-1-1.
Single copy price: $418.00
Obtain an electronic copy from: pau_orr@nema.org
Send comments (copy psa@ansi.org) to: Same

# Comment Deadline: September 9, 2024

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

1300 N 17th St, Rosslyn, VA 22209 | Michael.Erbesfeld@nema.org, www.nema.org

***Revision***

BSR C78.377-202X, Standard for Electric Lamps -- Specifications for the Chromaticity of Solid-State Lighting Products (revision of ANSI C78.377-2017 (R2022))
The purpose of this standard is to specify the range of chromaticity for general lighting with solid-state lighting (SSL) products, as well as to ensure that the chromaticity of the products can be communicated to consumers. This standard applies to LED lamps, LED light engines, and LED luminaires for general lighting applications and may apply more broadly. This document does not apply to lighting fixtures sold without a light source. This standard also does not apply to SSL products for some indoor applications that intentionally produce colored light.
Single copy price: $141.00
Obtain an electronic copy from: michael.erbesfeld@nema.org
Send comments (copy psa@ansi.org) to: Same

### NEMA (ASC C82) (National Electrical Manufacturers Association)

1300 N 17th St, Rosslyn, VA 22209 | Michael.Erbesfeld@nema.org, www.nema.org

***Revision***

BSR C82.77-10-202X, Lighting Equipment - Harmonic Emission Limits - Related Power Quality Requirements (revision of ANSI C82.77-10-2021)
This Standard specifies power quality limits, factors, and methods of measurement for lighting equipment. This Standard covers all types of lighting equipment that is used for general illumination (typically found in residential, commercial, and industrial applications) and which is connected to any of the following commonly distributed 60-Hz alternating current (AC) power line systems.
Single copy price: $129.00
Obtain an electronic copy from: michael.erbesfeld@nema.org
Send comments (copy psa@ansi.org) to: Same

### NFPA (National Fire Protection Association)

One Batterymarch Park, Quincy, MA 02169 | dbellis@nfpa.org, www.nfpa.org

***Revision***

BSR/NFPA 70®-202x, National Electrical Code® (revision of ANSI/NFPA 70®-2023)
Scope. This article covers use and application, arrangement, and enforcement of this code. It also covers the expression of mandatory, permissive, and nonmandatory text, provides guidance on the examination of equipment and on wiring planning, and specifies the use and expression of measurements.
Obtain an electronic copy from: www.nfpa.org/70Next
Send comments (copy psa@ansi.org) to: Same

# Comment Deadline: September 9, 2024

### PSAI (Portable Sanitation Association International)

1000 Westgate Drive, Suite 252, Saint Paul, MN 55114 | veronicac@ewald.com, www.psai.org

***Revision***

BSR/PSAI Z4.3-202x, Sanitation - Nonsewered Waste Disposal Systems at Places of Employment - Minimum Requirements (revision of ANSI/PSAI Z4.3-2016)
This standard applies to portable nonsewered waste disposal systems at places of employment, wherever such systems are not connected to a sanitary sewer, septic tank or on-site sewage-disposal treatment facility. These systems are typically used by the same people or groups of people over a period of time. Portable nonsewered waste disposal systems used in non-employment settings are outside the scope of this standard. The purpose of this standard is to promote the health and safety of workers at places of employment wherever portable nonsewered waste disposal systems are present. It is intended to guide employers, workers, their advocates, and relevant government agencies in the provision and maintenance of these systems.
Single copy price: $Available free of charge
Obtain an electronic copy from: https://assets.noviams.com/novi-file-uploads/psai/PDFs_and_Documents/PSAI-Standard-Z4-3-Revision-Draft-2024-07-01.pdf
Send comments (copy psa@ansi.org) to: https://forms.gle/2RpFXgDrhpQaFKy88

### PSAI (Portable Sanitation Association International)

1000 Westgate Drive, Suite 252, Saint Paul, MN 55114 | veronicac@ewald.com, www.psai.org

***Revision***

BSR/PSAI Z4.4-202x, Sanitation - Nonsewered Waste Disposal Systems: Use by the General Public - Minimum Requirements (revision of ANSI/PSAI Z4.4-2016)
This standard applies to portable nonsewered waste disposal systems for use by the general public at all locations, wherever such systems are not connected to a sanitary sewer, septic tank, or on-site sewage disposal treatment facility. These systems are typically subject to all statutes that apply to public facilities. Most often, these systems are used by different people or groups of people over a period of time. Portable nonsewered waste disposal systems used by workers at places of employment are outside the scope of this standard. The purpose of this standard is to promote the health and safety of users and to protect the environment from untreated human waste wherever portable nonsewered waste disposal systems are present on sites that are accessible to the public. It is intended to guide users, their advocates, event planners, emergency personnel, and relevant government agencies in the provision and maintenance of these systems.
Single copy price: Free
Obtain an electronic copy from: https://assets.noviams.com/novi-file-uploads/psai/PDFs_and_Documents/PSAI-Standard-Z4-4-Revision-Draft-2024-07-01.pdf
Send comments (copy psa@ansi.org) to: https://forms.gle/2RpFXgDrhpQaFKy88

### SEIA (Solar Energy Industries Association)

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

***New Standard***

BSR/SEIA 401-202x, Solar and Energy Storage Consumer Protection Standard (new standard)
This standard will outline solar, energy storage, and EV charging system business transparency requirements based on expectations from sellers, lenders, insurers, and buyers.
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/research-resources/seia-401-solar-and-energy-storage-consumer-protection-standard
Send comments (copy psa@ansi.org) to: https://www.tfaforms.com/5064467

# Comment Deadline: September 9, 2024

**ULSE (UL Standards & Engagement)**
1603 Orrington Ave, Suite 2000, Evanston, IL 60201 | isabella.brodzinski@ul.org, https://ulse.org/

***New Standard***

BSR/UL/ULC 1390-202x, Standard for Solid Fuel Fireplace Inserts and Hearth-Mounted Stoves for Installation into Masonry Fireplaces (new standard)
1 SCOPE 1.1 These requirements cover solid-fuel burning fireplace inserts or hearth-mounted stoves intended to be vented through the throat or damper area of a masonry fireplace and masonry or factory-built chimney system. The appliances may be installed into new masonry fireplaces, or masonry fireplaces that have been operated for some time, i.e., in these cases the fireplace insert or hearth-mounted stove installations are retrofits.
1.1.1 Requirements for masonry fireplaces equipped with factory-built chimneys are provided in Annex A. 1.2 The requirements include testing with a continuous chimney liner from the appliance collar to the point of termination. 1.3 This standard addresses fireplace inserts or hearth-mounted stoves that may also incorporate catalytic combustors and/or secondary combustion systems. 1.4 Fireplace inserts or hearth-mounted stoves as covered by this standard are intended for installation in masonry fireplaces that comply with the requirements of applicable regulatory Codes. 1.5 Fireplace inserts and hearth-mounted stoves as covered by this standard are not intended for installation into factory-built fireplaces within the scope of: a) In Canada, CAN/ULC-S610; b) In the United States, UL 127 nor in steel liner assemblies within the scope of: c) In Canada, CAN/ULC-S639; d) In the United States, UL 907; nor in artificial fireplaces, or similar appliances (e.g., a tubular grate).
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/ProposalAvailable
Send comments (copy psa@ansi.org) to: Isabella Brodzinski, project manager, isabella.brodzinski@ul.org

**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)
(1) Revision of requirements for multiple source switchboards; (2) Addition of requirements for forced-air cooling for switchboards; (3) Proposed revisions to requirements for service equipment use; (4) Revision of requirements for minimum conductor size for high impedance grounded neutral systems; 5. Addition of requirements for panelboards mounted in a face-up position; (6) Addition of requirements for connection of devices within Annex G; (7) Revision of Annex D; (8) Clarification of requirement in Annex G for distance from connector to closest support

Note: This public review opportunity replaces the version announced in the July 19, 2024 edition of Standards Action.
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>

# Comment Deadline: September 9, 2024

### ULSE (UL Standards & Engagement)

1603 Orrington Ave, Evanston, IL 60201 | christina.riemer@ul.org, https://ulse.org/

***Revision***

BSR/UL 1059-202x, UL Standard for Safety for Terminal Blocks (revision of ANSI/UL 1059-2022)
Ballot of the following topics: (1) Expanded provisions for evaluating current-limiting breakers for Short-Circuit ratings; (2) 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 at the following website to enter comments into the CSDS Work Area: https://csds.ul.com/ProposalAvailable

# Comment Deadline: September 24, 2024

### ASME (American Society of Mechanical Engineers)

Two Park Avenue, M/S 6-2B, New York, NY 10016-5990 | ansibox@asme.org, www.asme.org

***Revision***

BSR/ASME CSD-1-202x, Controls and Safety Devices for Automatically Fired Boilers (revision of ANSI/ASME CSD -1-2021)
The rules of this Standard cover requirements for the assembly, installation, maintenance, and operation of controls and safety devices on automatically operated boilers directly fired with gas, oil, gas–oil, or electricity, subject to the service limitations, exclusions, and acceptance of other listings in CG-120, CG-130, and CG-140, respectively. Burners or burner assemblies installed on boilers or as replacement burners shall comply with the requirements of CF-110 and CF-410 for gas and oil firing, respectively. The use of a gaseous or oil fuel not listed in the definitions has not been evaluated, and special considerations may be required.
Single copy price: Free
Order from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm
Send comments (copy psa@ansi.org) to: Carlton Ramcharran <ramcharranc@asme.org>

### ULSE (UL Standards & Engagement)

1603 Orrington Avenue, Suite 2000, Evanston, IL 60201 | lauren.valentino@ul.org, https://ulse.org/

***Revision***

BSR/UL 258-202x, Standard for Safety for Shutoff Valves for Trim and Drain Purposes for Fire Protection (revision of ANSI/UL 258-2022)
These requirements cover shutoff valves for trim and drain purposes for fire protection service. This standard covers valve constructions such as ball valves, butterfly valves, globe valves, and plug valves. These valves are intended for installation and use in accordance with the following standards: Low Expansion Foam, NFPA 11; Sprinkler Systems, NFPA 13; Sprinkler Systems in One- and Two-Family Dwellings and Manufactured Homes, NFPA 13D; Sprinkler Systems in Low-Rise Residential Occupancies, NFPA 13R; Standpipe and Hose Systems, NFPA 14; Water Spray Fixed Systems for Fire Protection, NFPA 15; and Stationary Pumps for Fire Protection, NFPA 20.
Single copy price: Free
Order from: https://csds.ul.com/ProposalAvailable
Send comments (copy psa@ansi.org) to: Lauren Valentino, lauren.valentino@ul.org, https://csds.ul.com/ProposalAvailable

# Comment Deadline: September 24, 2024

### ULSE (UL Standards & Engagement)

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

***Revision***

BSR/UL 583-202x, Standard for Safety for Electric-Battery-Powered Industrial Trucks (revision of ANSI/UL 583 -2022)
This proposal covers: (1) Revision to update paragraph reference in 19.1(c); (2) Addition of Requirements for Safety Markings.
Single copy price: Free
Order from: https://www.shopulstandards.com/
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.

# Project Withdrawn

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

### ASTM (ASTM International)

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

BSR/ASTM WK89101-202x, New Practice for Hazardous Area Electrical Equipment on International Ships (new standard)
Send comments (copy psa@ansi.org) to: Lauren Daly <accreditation@astm.org>

### CTA (Consumer Technology Association)

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

BSR/CTA 2129-202x, Standard Methodology for Consumer Broadcast Hearing Devices (new standard)
Send comments (copy psa@ansi.org) 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.

## ABYC (American Boat and Yacht Council)

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

ANSI/ABYC P-4-2024, Marine Inboard Engines and Transmissions (revision of ANSI/ABYC P-4-2019) Final Action Date: 7/18/2024 | *Revision*

## AIAA (American Institute of Aeronautics and Astronautics)

12700 Sunrise Valley Drive, Suite 200, Reston, VA 20191-5807 | NickT@aiaa.org, www.aiaa.org

ANSI/AIAA S-080A-2018 (R2024), Space Systems - Metallic Pressure Vessels, Pressurized Structures, and Pressure Components (reaffirmation of ANSI/AIAA S-080A-2018) Final Action Date: 7/15/2024 | *Reaffirmation*

ANSI/AIAA S-081B-2018 (R2024), Space Systems - Composite Overwrapped Pressure Vessels (reaffirmation of ANSI/AIAA S-081B-2018) Final Action Date: 7/16/2024 | *Reaffirmation*

## ANS (American Nuclear Society)

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

ANSI/ANS 5.10-1998 (R2024), Airborne Release Fractions at Non-Reactor Nuclear Facilities (reaffirmation of ANSI/ANS 5.10-1998 (R2019)) Final Action Date: 7/18/2024 | *Reaffirmation*

ANSI/ANS 19.6.1-2019 (R2024), Reload Startup Physics Tests for Pressurized Water Reactors (reaffirmation of ANSI/ANS 19.6.1-2019) Final Action Date: 7/17/2024 | *Reaffirmation*

## ASTM (ASTM International)

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

ANSI/ASTM E3423-2024, Guide for Forensic Analysis of Explosives by Polarized Light Microscopy (new standard) Final Action Date: 7/15/2024 | *New Standard*

## ATIS (Alliance for Telecommunications Industry Solutions)

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

ANSI/ATIS 0600313-2018 (R2024), Electrical Protection for Telecommunications Central Offices and Similar Type Facilities (reaffirmation of ANSI/ATIS 0600313-2018) Final Action Date: 7/16/2024 | *Reaffirmation*

ANSI/ATIS 0600316-2018 (R2024), Electrical Protection of Telecommunications Outside Plant (reaffirmation of ANSI/ATIS 0600316-2018) Final Action Date: 7/16/2024 | *Reaffirmation*

ANSI/ATIS 0600334-2019 (R2024), Electrical Protection of Communications Towers and Associated Structures (reaffirmation of ANSI/ATIS 0600334-2019) Final Action Date: 7/16/2024 | *Reaffirmation*

ANSI/ATIS 0600337-2019 (R2024), Requirements for Maximum Voltage, Current, and Power Levels in Communications Transport Circuits (reaffirmation of ANSI/ATIS 0600337-2019) Final Action Date: 7/16/2024 | *Reaffirmation*

## AWI (Architectural Woodwork Institute)

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

ANSI/AWI 0622.0646-2024, Millwork & Wood Trim (new standard) Final Action Date: 7/17/2024 | *New Standard*

## AWWA (American Water Works Association)

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

ANSI/AWWA C233 (formerly C2GT)-2024, Geotextile Backed Tape Coatings for Steel Water Pipe and Fittings (new standard) Final Action Date: 7/16/2024 | *New Standard*

ANSI/AWWA C226-2024, Stainless-Steel Fittings for Waterworks Service, Sizes 1/2 in. through 72 in. (13 mm through 1,800 mm) Field Welding of Stainless-Steel Pipe (revision of ANSI/AWWA C226-2019) Final Action Date: 7/16/2024 | *Revision*

## CGA (Compressed Gas Association)

8484 Westpark Drive, Suite 220, McLean, VA 22102 | kmastromichalis@cganet.com, www.cganet.com

ANSI/CGA G-5-2024, Hydrogen (new standard) Final Action Date: 7/18/2024 | *New Standard*

## IEEE (Institute of Electrical and Electronics Engineers)

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

ANSI/IEEE C37.011-2024, Guide for the Application of Transient Recovery Voltage for AC High-Voltage Circuit Breakers with Rated Maximum Voltage above 1000 V (new standard) Final Action Date: 7/16/2024 | *New Standard*

## ISA (International Society of Automation)

3252 S. Miami Blvd, Suite 102, Durham, NC 27703 | crobinson@isa.org, www.isa.org

ANSI/ISA 5.1-2024, Instrumentation and Control Symbols and Identification (revision of ANSI/ISA 5.1-2022) Final Action Date: 7/17/2024 | *Revision*

## MHI (Material Handling Industry)

8720 Red Oak Boulevard, Suite 201, Charlotte, NC 28217 | pdavison@mhi.org, www.mhi.org

ANSI MH31.2-2024, Test Method for Crash Testing Industrial Guardrail Barriers and Barrier Posts (revision of ANSI MH31.2-2021) Final Action Date: 7/17/2024 | *Revision*

## NAAMM (National Association of Architectural Metal Manufacturers)

1533 Pine Grove Lane, Chesapeake, VA 23321 | ifnaamm@gmail.com, www.naamm.org

ANSI/NAAMM MBG 531-2024, Metal Bar Grating Manual (revision of ANSI/NAAMM MBG 531-2017) Final Action Date: 7/15/2024 | *Revision*

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

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

ANSI ICEA S-138-738-2024, Power Cables Rated 2000 Volts or Less for Use Between Variable Frequency Drives and Motors (new standard) Final Action Date: 7/17/2024 | *New Standard*

## NSF (NSF International)

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

ANSI/NSF 455-4-2024 (i46r1), Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4 -2022) Final Action Date: 7/17/2024 | *Revision*

## TIA (Telecommunications Industry Association)

1320 North Courthouse Road, Suite 200, Arlington, VA 22201-2598 | tjenkins@tiaonline.org, www.tiaonline.org

ANSI/TIA 604-5-F-2019 (R2024), Fiber Optic Connector Intermateability Standards - Type MPO (reaffirmation of ANSI/TIA 604-5-F-2019) Final Action Date: 7/15/2024 | *Reaffirmation*

## TIA (Telecommunications Industry Association)

1320 North Courthouse Road, Suite 200, Arlington, VA 22201-2598 | tjenkins@tiaonline.org, www.tiaonline.org

ANSI/TIA 604-18-A-2018 (R2024), Fiber Optic Connector Intermateability Standards - Type MPO-16 (reaffirmation of ANSI/TIA 604-18-A-2018) Final Action Date: 7/15/2024 | *Reaffirmation*

## ULSE (UL Standards & Engagement)

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

ANSI/UL 340-2017 (R2024), Standard for Safety for Tests for Comparative Flammability of Liquids (reaffirmation of ANSI/UL 340-2017) Final Action Date: 7/18/2024 | *Reaffirmation*

ANSI/UL 60079-0-2020 (R2024), Standard for Explosive Atmospheres - Part 0: Equipment - General Requirements (reaffirm a national adoption ANSI/UL 60079-0-2020) Final Action Date: 7/19/2024 | *Reaffirmation*

ANSI/UL 80079-20-2-2020 (R2024), Standard for Safety for Explosive Atmospheres - Part 20-2: Material Characteristics - Combustible Dusts - Test Methods (reaffirm a national adoption ANSI/UL 80079-20-2-2020) Final Action Date: 7/19/2024 | *Reaffirmation*

ANSI/UL 66-2024, Standard for Safety for Fixture Wire (revision of ANSI/UL 66-2023) Final Action Date: 7/17/2024 | *Revision*

ANSI/UL 147B-2024, Standard for Safety for Nonrefillable (Disposable) Type Metal Container Assemblies for Butane (revision of ANSI/UL 147B-2019) Final Action Date: 7/18/2024 | *Revision*

ANSI/UL 2239-2024, Standard for Hardware for the Support of Conduit, Tubing, and Cable (revision of ANSI/UL 2239 -2022) Final Action Date: 7/15/2024 | *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.

# ANSI Accredited Standards Developer

## ULSE - UL Standards & Engagement

**Application Deadline: August 30, 2024**

UL Standards & Engagement (ULSE) is announcing the formation of a new Technical Committee (TC) 1836 - Electric Motors and Generators for Use in Class I, Division 2, Class I, Zone 2, Class II, Division 2 and Zone 22 Hazardous (Classified) Locations and issuing a call for members to join this new TC. ULSE is currently accepting applications for all interest categories:

- Authorities having Jurisdiction/Regulators
- Commercial/Industrial Users
- Consumers
- General Interest
- Government
- Producer
- Supply Chain
- Testing & Standards Organizations

Please visit s.ul.org/myinfo to apply, or reach out to cynthia.byrne@ul.org for more info.

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

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

BSR/AAMI/ISO 8637-1-202x, Extracorporeal systems for blood purification-Part 1: Haemodialysers, haemodiafilters, haemofilters and haemoconcentrators (identical national adoption of ISO 8637-1:2024 and revision of ANSI/AAMI/ISO 8637-1-2017)

Interest Categories: AAMI RD, Renal Disease and Detoxification. Committee, is seeking user and general interest/regulator members to participate in adoption of of the ISO 8637-1:2024, 8637-2:2024, and 8637-3:2024.

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

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

BSR/AAMI/ISO 8637-2-202x, Extracorporeal systems for blood purification-Part 2: Extracorporeal blood and fluid circuits for haemodialysers, haemodiafilters, haemofilters and haemoconcentrators (identical national adoption of ISO 8637-2:2024 and revision of ANSI/AAMI/ISO 8637-2-2018)

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

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

BSR/AAMI/ISO 8637-3-202x, Extracorporeal systems for blood purification-Part 3: Plasmafilters (identical national adoption of ISO 8637-3:2024 and revision of ANSI/AAMI/ISO 8637-3-2018)

## AIAA (American Institute of Aeronautics and Astronautics)

12700 Sunrise Valley Drive, Suite 200, Reston, VA 20191-5807 | NickT@aiaa.org, www.aiaa.org

BSR/AIAA S-102.2.4-202x, Capability-Based Failure Mode, Effects and Criticality Analysis (FMECA) Requirements (revision of ANSI/AIAA S-102.2.4-2015)

## AMCA (Air Movement and Control Association)

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

BSR/AMCA 500-D-202x, Laboratory Methods of Testing Dampers for Rating (revision of ANSI/AMCA 500-D-2018)

### APCO (Association of Public-Safety Communications Officials-International)

351 N. Williamson Boulevard, Daytona Beach, FL 32114-1112 | jarrella@apcointl.org, www.apcoIntl.org

BSR/APCO 1.107.2-202X, Standard for the Establishment of a Quality Assurance and Quality Improvement Program for Emergency Communication Centers (revision of ANSI/APCO 1.107.1-2015)

### ASA (ASC S1) (Acoustical Society of America)

1305 Walt Whitman Road, Suite 300, Melville, NY 11747 | standards@acousticalsociety.org, www.acousticalsociety.org

ANSI/ASA S1.20-2012 (R2020), Procedures for Calibration of Underwater Electroacoustic Transducers (withdrawal of ANSI/ASA S1.20-2012 (R2020))

### ASA (ASC S1) (Acoustical Society of America)

1305 Walt Whitman Road, Suite 300, Melville, NY 11747 | standards@acousticalsociety.org, www.acousticalsociety.org

BSR/ASA S1.40-2006 (R202x), Specifications and Verification Procedures for Sound Calibrators (reaffirmation of ANSI/ASA S1.40-2006 (R2020))

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

2950 Niles Road, Saint Joseph, MI 49085 | companion@asabe.org, https://www.asabe.org/

ANSI/ASABE/ISO 15077-2008 OCT2008 (R2024), Tractors and Self-Propelled Machinery for Agriculture - Operator Controls - Actuating Forces, Displacement, Location and Method of Operation (withdrawal of ANSI/ASABE/ISO 15077-2008 OCT2008 (R2024))

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

2950 Niles Road, Saint Joseph, MI 49085 | companion@asabe.org, https://www.asabe.org/

BSR/ASABE S642.1 MONYEAR-202x, Recommended Methods for Measurement and Testing of Electromagnetic Radiation Sources for Plant Growth and Development (revision and redesignation of ANSI/BSR/ASABE S642.1 MONYEAR-202x)

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

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

BSR/ASHRAE Standard 244P-202x, Sustainability Assessment for Mechanical, Electrical, and Plumbing Products (new standard)

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

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

BSR/ASHRAE Standard 245P-202x, Acceptable Performance Standard for District Cooling Systems (new standard)

### ASME (American Society of Mechanical Engineers)

Two Park Avenue, M/S 6-2B, New York, NY 10016-5990 | ansibox@asme.org, www.asme.org

BSR/ASME CSD-1-202x, Controls and Safety Devices for Automatically Fired Boilers (revision of ANSI/ASME CSD-1 -2021)

### CTA (Consumer Technology Association)

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

BSR/CTA 2031-A (R202x), Testing and Measurement Methods for In-Vehicle Loudspeaker Systems (reaffirmation of ANSI/CTA 2031-A-2019)
Interest Categories: CTA is seeking new members to join the consensus body. CTA and the R4 Video Systems Intelligent Mobility Committee are particularly interested in adding new members (called "users" who acquire video products from those who create them) as well as those with a general interest.

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

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

BSR/EOS ESD STM15.1-202X, ESD Association Standard Test Method for the Protection of Electrostatic Discharge Susceptible Items - Methods for Resistance Measurement of Gloves and Finger Cots (revision of ANSI/ESD STM15.1 -2019)

### NSF (NSF International)

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

BSR/NSF 49-202x (i173BBr1), 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 (i173CCr1), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2022)

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

BSR/NSF 49-202x (i173DDr1), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2022)

### NSF (NSF International)

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BSR/NSF/CAN 60-202x (i103r2), Drinking Water Treatment Chemicals - Health Effects (revision of ANSI/NSF/CAN 60-2021)

### NSF (NSF International)

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

BSR/NSF/CAN 61-202x (i186r1), 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 (i187r1), Drinking Water System Components - Health Effects (revision of ANSI/NSF/CAN 61-2023)

### PSAI (Portable Sanitation Association International)

1000 Westgate Drive, Suite 252, Saint Paul, MN 55114 | veronicac@ewald.com, www.psai.org

BSR/PSAI Z4.3-202x, Sanitation - Nonsewered Waste Disposal Systems at Places of Employment - Minimum Requirements (revision of ANSI/PSAI Z4.3-2016)

### PSAI (Portable Sanitation Association International)

1000 Westgate Drive, Suite 252, Saint Paul, MN 55114 | veronicac@ewald.com, www.psai.org

BSR/PSAI Z4.4-202x, Sanitation - Nonsewered Waste Disposal Systems: Use by the General Public - Minimum Requirements (revision of ANSI/PSAI Z4.4-2016)

### TIA (Telecommunications Industry Association)

1320 North Courthouse Road, Suite 200, Arlington, VA 22201-2598 | tjenkins@tiaonline.org, www.tiaonline.org

BSR/TIA 455-224-A-202x, Adoption of IEC 61744:2023 - Calibration of fibre optic chromatic dispersion test sets (identical national adoption of IEC 61744:2023)

### ULSE (UL Standards & Engagement)

1603 Orrington Ave, Evanston, IL 60201 | christina.riemer@ul.org, https://ulse.org/

BSR/UL 1059-202x, UL Standard for Safety for Terminal Blocks (revision of ANSI/UL 1059-2022)

# 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

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

ISO/DIS 22965-1, Concrete - Part 1: Methods of specifying and guidance for the specifier - 10/5/2024, $77.00

ISO/DIS 22965-2, Concrete - Part 2: Specification of constituent materials, production of concrete and compliance of concrete - 10/4/2024, $112.00

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

ISO/DIS 6182-18, Fire protection - Automatic sprinkler system - Part 18: Requirements and test methods for flexible sprinkler hose - 10/5/2024, $71.00

### Geographic information/Geomatics (TC 211)

ISO/DIS 19135, Geographic information - Registration and register governance - 10/10/2024, $155.00

### Industrial fans (TC 117)

ISO/DIS 13347-2, Fans - Determination of fan sound power levels under standardized laboratory conditions - Part 2: Reverberant room method - 10/7/2024, $82.00

ISO/DIS 13347-4, Fans - Determination of fan sound power levels under standardized laboratory conditions - Part 4: Sound intensity method - 10/6/2024, $93.00

### Machine tools (TC 39)

ISO/DIS 19085-20, Woodworking machines - Safety - Part 20: Horizontal cutting cross-cut sawing machines with one saw unit (radial arm saws) - 10/4/2024, $98.00

ISO/DIS 19085-21, Woodworking machines - Safety - Part 21: Double blade circular sawing machines for cross-cutting with integrated feed - 10/4/2024, $102.00

ISO/DIS 19085-22, Woodworking machines - Safety - Part 22: Single blade automatic and semi-automatic up-cutting cross-cut sawing machines - 10/4/2024, $93.00

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

ISO/DIS 14313, Oil and gas industries including lower carbon energy - Pipeline transportation systems - Pipeline valves - 10/4/2024, $29.00

### Nuclear energy (TC 85)

ISO/DIS 8939, Decommissioning of medical cyclotron - 10/3/2024, $67.00

ISO/DIS 7097-1, Nuclear fuel technology - Determination of uranium in solutions, uranium hexafluoride and solids - Part 1: Iron(II) reduction/potassium dichromate oxidation titrimetric method - 10/7/2024, $67.00

### Packaging (TC 122)

ISO/DIS 17508, Packaging - Transport packaging for dangerous goods - Compatibility testing of polyethylene, fluorinated polyethylene and co-extruded plastic - 10/4/2024, $53.00

### Paints and varnishes (TC 35)

ISO/DIS 15715, Binders for paints and varnishes - Determination of turbidity - 10/6/2024, $46.00

### Pigments, dyestuffs and extenders (TC 256)

ISO/DIS 6031, Functional extenders for special application - Nanoscale diamonds for polymer composites - 10/4/2024, $53.00

### Plastics (TC 61)

ISO/DIS 13802, Plastics - Verification of pendulum impact-testing machines - Charpy, Izod and tensile impact-testing - 10/10/2024, $102.00

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

ISO/DIS 284, Conveyor belts - Electrical conductivity - Specification and test method - 10/3/2024, $40.00

ISO/DIS 1120, Conveyor belts - Determination of strength of mechanical fastenings for textile conveyor belts- Static test method - 10/4/2024, $40.00

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

ISO/DIS 20223, Technical product documentation (TPD) - Representation and identification of situation features - 10/7/2024, $107.00

**Textiles (TC 38)**

ISO/DIS 9073-8, Nonwovens - Test methods - Part 8: Determination of liquid strike-through time (simulated urine) for nonwoven coverstocks - 10/3/2024, $40.00

**Tobacco and tobacco products (TC 126)**

ISO 20768:2018/DAmd 1, - Amendment 1: Vapour products - Routine analytical vaping machine - Definitions and standard conditions - Amendment 1: Correction of puff profile requirements - 10/3/2024, $29.00

## ISO/IEC JTC 1, Information Technology

ISO/IEC DIS 8803, Information technology - 3D Printing and scanning - Accuracy and precision evaluation process for modelling from 3D scanned data - 10/3/2024, $93.00

ISO/IEC DIS 27706.2, Requirements for bodies providing audit and certification of privacy information management systems - 7/25/2024, $88.00

ISO/IEC DIS 18000-6, Information technology - Radio frequency identification for item management - Part 6: Parameters for air interface communications at 860 MHz to 960 MHz General - 10/10/2024, $53.00

ISO/IEC DIS 18047-6, Information technology - Radio frequency identification device conformance test methods - Part 6: Test methods for air interface communications at 860 MHz to 930 MHz - 10/10/2024, $112.00

# IEC Standards

**Alarm systems (TC 79)**

79/711/NP, PNW 79-711 ED1: Alarm and electronic security systems - Part 7-x: Message formats and protocols for serial data interfaces in alarm transmission systems - Requirements for common protocol for alarm transmission using the internet protocol (to be confirmed), 09/13/2024

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

94/1058/FDIS, IEC 63522-11 ED1: Electrical relays - Tests and measurements - Part 11: Enclosure protection and degree of protection, 08/30/2024

94/1059/FDIS, IEC 63522-14 ED1: Electrical relays - Tests and measurements - Part 14: Mould growth, 08/30/2024

94/1060/FDIS, IEC 63522-18 ED1: Electrical relays - Tests and Measurements - Part 18: Thermal resistance of the coil, 08/30/2024

94/1061/FDIS, IEC 63522-22 ED1: Electrical relays - Tests and measurements - Part 22: Limiting continuous current, 08/30/2024

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

46A/1688/FDIS, IEC 61196-1-113 ED3: Coaxial communication cables - Part 1-113: Electrical test methods - Test for attenuation constant, 08/30/2024

**Electrical accessories (TC 23)**

23H/555/CDV, IEC 63066 ED1: Low-voltage docking connectors for removable energy storage units, 10/11/2024

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

64/2678A/CD, IEC 60364-4-41 ED6: Low-voltage electrical installations - Part 4-41: Protection for safety - Protection against electric shock, 11/08/2024

64/2686/FDIS, IEC 60364-4-42 ED4: Low-voltage electrical installations - Part 4-42: Protection for safety - Protection against thermal effects, 08/30/2024

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

48B/3114/FDIS, IEC 61076-8-111 ED1: Connectors for electrical and electronic equipment - Product requirements - Part 8-111: Part 8-111: Power connectors - Detail specification for 3-pole snap locking rectangular connectors with IP65/IP67 plastic housing for rated current of 20 A, 08/30/2024

48B/3115/FDIS, IEC 61076-8-112 ED1: Connectors for electrical and electronic equipment - Product requirements Part 8-112: Power connectors - Detail specification for 2-pole snap locking rectangular connectors with IP65/IP67 plastic housing for rated current of 50 A, 08/30/2024

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

104/1067/FDIS, IEC 60068-2-87 Ed.1 Environmental Testing - Part 2-87: Tests-Test xx: UV-C Exposure of Materials and Components to Simulate Ultraviolet Germicidal Irradiation or Other Applications, 08/30/2024

104/1066/FDIS, IEC 60721-2-2 ED3: Classification of environmental conditions - Part 2-2: Environmental conditions appearing in nature - Precipitation and wind, 08/30/2024

104/1068/CD, IEC TR 60721-2-10 ED1: Classification of environmental conditions-Part 2-10: Environmental Conditions appearing in nature - Birds, 09/13/2024

**Fibre optics (TC 86)**

86A/2470/CDV, IEC 60793-2-60 ED2: Optical fibres - Part 2-60: Product specifications - Sectional specification for category C single-mode interconnection fibres, 10/11/2024

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

65B/1266/CD, IEC 62828-1 ED2: Reference conditions and procedures for testing industrial and process measurement transmitters - Part 1: General procedures for all types of transmitters, 09/13/2024

65B/1267/CD, IEC 62828-2 ED2: Reference conditions and procedures for testing industrial and process measurement transmitters - Part 2: Specific procedures for pressure transmitters, 09/13/2024

65B/1268/CD, IEC 62828-3 ED2: Reference conditions and procedures for testing industrial and process measurement transmitters - Part 3: Specific procedures for temperature transmitters, 09/13/2024

65C/1305/CD, Industrial networks - 5G communication technology - General considerations, 09/13/2024

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

106/658/DTR, IEC TR 63424-1 ED1: Validation of dynamic power control and exposure time-averaging algorithms, Part 1: Cellular network implementations for SAR at frequencies up to 6 GHz, 09/13/2024

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

113/850/CD, IEC TS 62607-6-23 ED1: Nanomanufacturing - Key control characteristics - Part 6-23: Graphene films - Carrier mobility and sheet resistance: Hall Measurement, 09/13/2024

**Nuclear instrumentation (TC 45)**

45A/1548/CD, IEC 61888 ED2: Nuclear power plants - Instrumentation important to safety - Determination and maintenance of trip setpoints, 10/11/2024

45/979/NP, PNW 45-979 ED1: Tracking systems for radioactive materials - Specific requirement of electronic tagging system, 10/11/2024

**Overhead lines (TC 11)**

11/308/CD, IEC 61284 ED3: Overhead lines - Requirements and tests for fittings, 10/11/2024

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

59D/514/CDV, IEC 60704-2-4 ED4: Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-4: Particular requirements for washing machines and spin extractors, 10/11/2024

**Power electronics (TC 22)**

22H/329/CD, IEC 62040-1 ED3: Uninterruptible power systems (UPS) - Part 1: Safety requirements, 10/11/2024

22F/781/DTR, IEC TR 63500 ED1: Unified power flow controller (UPFC) installations - System tests, 09/13/2024

22F/779/CD, IEC TS 62001-2 ED1: High-voltage direct current (HVDC) systems - Guidance to the specification and design evaluation of AC filters - Part 2: Harmonic performance aspects, 09/13/2024

22F/780/CD, IEC TS 62001-3 ED1: High-voltage direct current (HVDC) systems - Guidance to the specification and design evaluation of AC filters - Part 3: Modelling aspects, 09/13/2024

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

57/2710/DTR, IEC TR 61850-7-6 ED2: Communication networks and systems for power utility automation - Part 7-6: Guideline for definition of Basic Application Profiles (BAPs) using IEC 61850, 09/13/2024

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

116/813/FDIS, IEC 62841-2-3/AMD1 ED1: Amendment 1 - Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 2-3: Particular requirements for hand-held grinders, disc-type polishers and disc-type sanders, 08/30/2024

116/814/FDIS, IEC 62841-3-8 ED1: Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 3-8: Particular requirements for transportable single spindle vertical moulders, 08/30/2024

116/793/CDV, IEC 63241-3-1 ED1: Electric motor-operated tools - Dust measurement procedure - Part 3-1: Particular requirements for transportable table saws, 10/11/2024

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

61/7269(F)/FDIS, IEC 60335-2-62 ED5: Household and similar electrical appliances - Safety - Part 2-62: Particular requirements for commercial electric rinsing sinks, 08/09/2024

61/7272/FDIS, IEC 60335-2-81 ED4: Household and similar electrical appliances - Safety - Part 2-81: Particular requirements for foot warmers and heating mats, 08/30/2024

61/7273/FDIS, IEC 60335-2-82 ED4: Household and similar electrical appliances - Safety - Part 2-82: Particular requirements for amusement machines and personal service machines, 08/30/2024

61/7274/FDIS, IEC 60335-2-83 ED2: Household and similar electrical appliances - Safety - Part 2-83: Particular requirements for heated gullies for roof drainage, 08/30/2024

**Semiconductor devices (TC 47)**

47D/976/FDIS, IEC 63378-2 ED1: Thermal standardization on semiconductor packages - Part 2: 3D thermal simulation models of discrete semiconductor packages for steady-state analysis, 08/30/2024

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

82/2282/NP, PNW 82-2282 ED1: Photovoltaic cells - Part 7: Measurement of flexural strength of crystalline silicon photovoltaic cells, 09/13/2024

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

8/1711/CD, IEC TS 63222-4 ED1: Power quality management - Part 4: Harmonic analysis over public supply network, 09/13/2024

**Superconductivity (TC 90)**

90/524/NP, PNW 90-524 ED1: Electromechanical properties measurement - Electromechanical test of practical REBCO and BSCCO composite superconductors at liquid nitrogen temperature, 10/11/2024

**Surge arresters (TC 37)**

37A/414/CDV, IEC 61643-21 ED2: Low voltage surge protective devices - Part 21: Surge protective devices connected to telecommunications and signalling networks - Requirements and testing methods, 10/11/2024

**(TC )**

CIS/A/1429/CD, CISPR TR 16-3/FRAG1 ED5: Fragment 1: General Maintenance and CISPR history, 09/13/2024

CIS/A/1428/CD, CISPR TR 16-3/FRAG2 ED5: Fragment 2: Relationship of limits for SAC and FAR, 09/13/2024

CIS/A/1427/CD, CISPR TR 16-3/FRAG3 ED5: Fragment 3: Rationale for measurements and procedures for wired network port emissions, 09/13/2024

CIS/H/504/DTR, CISPR TR 16-4-6 ED1: Specification for radio disturbance and immunity Measuring apparatus and methods - Part 4-6: Uncertainties, statistics and limit modelling - Statistics on radio frequency interference (RFI) and verification by measurements in the field, 09/13/2024

**Tools for live working (TC 78)**

78/1473/CD, IEC 61111 ED3: Live working - Electrical insulating matting, 10/11/2024

**Ultrasonics (TC 87)**

87/870/CDV, IEC 61847 ED2: Ultrasonics - Surgical systems - Measurement and declaration of the basic output characteristics, 10/11/2024

## ISO/IEC JTC 1, Information Technology

**(TC )**

JTC1-SC25/3273/CD, ISO/IEC 15045-5-2 ED1: Information Technology - Home Electronic System (HES) gateway - Application services - Part 5-2: Energy management and measurement application (EMMA), 09/13/2024

JTC1-SC41/447/CD, ISO/IEC 30178 ED1: Internet of Things (IoT) - Data format, value and coding, 09/13/2024

# 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 6887-1:2017/Amd 1:2024, - Amendment 1: Microbiology of the food chain - Preparation of test samples, initial suspension and decimal dilutions for microbiological examination - Part 1: General rules for the preparation of the initial suspension and decimal dilutions - Amendment 1: Requirements and guidance on the use of a larger test portion size for qualitative methods, $23.00

### Applications of statistical methods (TC 69)

ISO 7870-6:2024, Control charts - Part 6: EWMA control charts for the process mean, $166.00

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

ISO 13491-1:2024, Financial services - Secure cryptographic devices (retail) - Part 1: Concepts and requirements, $194.00

### Building construction machinery and equipment (TC 195)

ISO 6085:2023/Amd 1:2024, - Amendment 1: Building construction machinery and equipment - Self-loading mobile concrete mixers - Safety requirements and verification - Amendment 1: Vertical test object height for the visibility measurements, $23.00

### Cranes (TC 96)

ISO 16881-1:2024, Cranes - Design calculation for wheel/rail contacts and associated trolley track supporting structure - Part 1: General, $194.00

### Hydrogen energy technologies (TC 197)

ISO 19880-9:2024, Gaseous hydrogen - Fuelling stations - Part 9: Sampling for fuel quality analysis, $223.00

### Mechanical testing of metals (TC 164)

ISO 7039:2024, Metallic materials - Tensile testing - Method for evaluating the susceptibility of materials to the effects of high-pressure gas within hollow test pieces, $81.00

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

ISO 17491-5:2024, Protective clothing - Test methods for clothing providing protection against chemicals - Part 5: Determination of resistance to penetration by a spray of liquid (manikin spray test), $81.00

### Road vehicles (TC 22)

ISO 2958:2024, Road vehicles - Exterior protection for passenger cars, $54.00

ISO 6626-1:2024, Internal combustion engines - Piston rings - Part 1: Coil spring loaded oil control rings made of cast iron, $250.00

ISO 7299-1:2024, Diesel engines - End-mounting flanges for pumps - Part 1: Fuel injection pumps, $81.00

### Rubber and rubber products (TC 45)

ISO 2930:2024, Raw, natural rubber - Determination of the plasticity retention index (PRI), $81.00

ISO 7836:2024, Natural rubber - Identification of phytosterols, including β-sitosterol, $54.00

### Ships and marine technology (TC 8)

ISO 30005:2024, Ships and marine technology - Ship recycling management - Information control for hazardous materials in the manufacturing chain of shipbuilding and ship operations, $194.00

### Sports and recreational equipment (TC 83)

ISO 10256-1:2024, Protective equipment for use in ice hockey - Part 1: General requirements, $81.00

ISO 10256-2:2024, Protective equipment for use in ice hockey - Part 2: Head protectors for skaters, $124.00

ISO 10256-3:2024, Protective equipment for use in ice hockey - Part 3: Face and eye protectors for skaters, $166.00

ISO 10256-4:2024, Protective equipment for use in ice hockey - Part 4: Head and face protectors for goalkeepers, $81.00

### Steel (TC 17)

ISO 10714:2024, Steel and iron - Determination of phosphorus content - Phosphovanadomolybdate spectrophotometric method, $81.00

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

ISO 21219-7:2024, Intelligent transport systems - Traffic and travel information (TTI) via transport protocol experts group, generation 2 (TPEG2) - Part 7: Location referencing container (TPEG2-LRC), $124.00

ISO 23793-1:2024, Intelligent transport systems - Minimal risk manoeuvre (MRM) for automated driving - Part 1: Framework, straight-stop and in-lane stop, $124.00

## ISO Technical Reports

### Facilities management (TC 267)

ISO/TR 41030:2024, Facility management - Existing performance management in facility management organizations - State of the industry, $124.00

### Optics and optical instruments (TC 172)

ISO/TR 11826:2024, Ophthalmic optics - Spectacle lenses - Aspects of three-dimensional properties and reference markings, $166.00

### Rubber and rubber products (TC 45)

ISO/TR 22762-7:2024, Elastomeric seismic-protection isolators - Part 7: Relationship of the ISO 22762 series to the design and testing of seismic isolation systems, $223.00

## ISO Technical Specifications

### Fire safety (TC 92)

ISO/TS 23782:2024, Requirements for large-scale test methods to represent fire threats to people in different fire scenarios, $166.00

## ISO/IEC JTC 1, Information Technology

ISO/IEC 20648:2024, Information technology - TLS specification for storage systems, $124.00

ISO/IEC 23090-3:2024, Information technology - Coded representation of immersive media - Part 3: Versatile video coding, $278.00

ISO/IEC 23773-1:2024, Information technology - User interfaces for automatic simultaneous interpretation systems - Part 1: General, $81.00

ISO/IEC 23773-2:2024, Information technology - User interfaces for automatic simultaneous interpretation systems - Part 2: Requirements and functional description, $54.00

ISO/IEC 23000-19:2024/Amd 1:2024, - Amendment 1: Information technology - Multimedia application format (MPEG-A) - Part 19: Common media application format (CMAF) for segmented media - Amendment 1: Low complexity enhancement video Coding (LCEVC) and other technologies, $23.00

# IEC Standards

### Alarm systems (TC 79)

IEC 62676-5-1 Ed. 1.0 b:2024, Video surveillance systems for use in security applications - Part 5-1: Data specifications and image quality performance for camera devices - Environmental test methods for image quality performance, $148.00

### Fibre optics (TC 86)

IEC 61280-2-13 Ed. 1.0 b:2024, Fibre optic communication subsystem test procedures - Part 2-13: Digital systems - Measurement of error vector magnitude, $193.00

### Fluids for electrotechnical applications (TC 10)

IEC 60422 Ed. 5.0 b:2024, Mineral insulating oils in electrical equipment - Supervision and maintenance guidance, $444.00

### Fuses (TC 32)

IEC 60127-8 Amd.1 Ed. 1.0 b:2024, Amendment 1 - Miniature fuses - Part 8: Fuse resistors with particular overcurrent protection, $26.00

IEC 60127-8 Ed. 1.1 en:2024, Miniature fuses - Part 8: Fuse resistors with particular overcurrent protection, $386.00

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

IEC 62024-1 Ed. 4.0 b:2024, High frequency inductive components - Electrical characteristics and measuring methods - Part 1: Nanohenry range chip inductor, $303.00

S+ IEC 62024-1 Ed. 4.0 en:2024 (Redline version), High frequency inductive components - Electrical characteristics and measuring methods - Part 1: Nanohenry range chip inductor, $515.00

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

IEC 61968-9 Ed. 3.0 b:2024, Enterprise business function interfaces for utility operations - Part 9: Interfaces for meter reading and control, $547.00

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

IEC 62841-3-4 Amd.1 Ed. 1.2 b Cor.1:2024, Corrigendum 1 - Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 3-4: Particular requirements for transportable bench grinders, $0.00

### Ultrasonics (TC 87)

IEC 63412-1 Ed. 1.0 b:2024, Ultrasonics - Shear-wave elastography - Part 1: Specifications for the user interface, $193.00

## IEC Technical Specifications

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

IEC/TS 63336 Ed. 1.0 en:2024, Commissioning of VSC HVDC systems, $444.00

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

IEC/TS 62607-9-2 Ed. 1.0 en:2024, Nanomanufacturing - Key control characteristics - Part 9-2: Nanomagnetic products - Magnetic field distribution: Magneto-optical indicator film technique, $444.00

# International Organization for Standardization (ISO)

## Call for comment on ISO/IEC Guide 59:2019

### Comment Deadline: October 18, 2024

ISO has initiated a systematic review of ISO/IEC Guide 59:2019 – "ISO and IEC recommended practices for standardization by national bodies", which has the following scope statement:

*This document provides recommended standardization practices that are intended to support the application of the following:*
*- the WTO TBT Committee decision on principles for the development of international standards, guides and recommendations (G/TBT/9, 13 November 2000);*
*- the WTO TBT Agreement's Code of Good Practice for the Preparation, Adoption and Application of Standards (Annex 3 of the 1995 WTO TBT Agreement).*
*This document is intended to be used by the national members of ISO and IEC, hereafter referred to as national bodies.*

ANSI, is seeking U.S. Stakeholders' input on ISO/IEC Guide 59:2019 to help ANSI determine if ANSI should vote revise, reconfirm as is, or withdraw the standard. Anyone wishing to review ISO/IEC Guide 59:2019 can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on **Friday, October 18, 2024.**

## Call for comment on ISO/IEC Guide 63:2019

### Comment Deadline: October 18, 2024

ISO has initiated a systematic review of ISO/IEC Guide 63:2019 – "Guide to the development and inclusion of aspects of safety in International Standards for medical devices", which has the following scope statement:

*This document provides requirements and recommendations to writers of medical device standards on the inclusion of aspects related to safety in International Standards, based on well-established risk management concepts and methodology.*
*This document is applicable to any aspect related to the safety of people, property, the environment, or a combination of these.*
*In this document, the term "product" includes a medical device or a system consisting of one or more medical devices, possibly combined with non-medical devices.*

ANSI, is seeking U.S. Stakeholders' input on ISO/IEC Guide 63:2019 to help ANSI determine if ANSI should vote revise, reconfirm as is, or withdraw the standard. Anyone wishing to review ISO/IEC Guide 63:2019 can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on **Friday, October 18, 2024.**

# 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

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# International Organization for Standardization (ISO)

## 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).

## 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).

# International Organization for Standardization (ISO)

## 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

**RadiusXR**
Public Review: July 22 to October 22, 2024

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.

**BSR/ASHRAE Addendum g**
**to ANSI/ASHRAE Standard 15.2-2022**

**First Public Review Draft**

# Proposed Addendum g to Standard 15.2-2022, Safety Standard for Refrigeration Systems

**First Public Review (June 2024)**
**(Draft shows Proposed Changes to Current Standard)**

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

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

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



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

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

## FOREWORD

*This proposed addendum updates both the normative and informative references to ASHRAE Standard 15.2.*

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## Addendum g to Standard 15-2022

***Modify Section 13 as follows. The remainder of Section 13 remains unchanged.***

### 13. NORMATIVE REFERENCES

1. ASHRAE. 20~~19~~24. ANSI/ASHRAE Standard 34, *Designation and Safety Classification of Refrigerants*. Peachtree Corners, GA: ASHRAE.
Note to reviewer - Update to the 2024 edition dependent upon publication of ASHRAE 34 on the same cycle with ASHRAE 15.
2. UL. 20~~19~~22. UL 60335-2-40/CSA-C22.2 No. 60335-2-40, Edition 4. ~~*Safety of*~~ *Household and Similar Electrical Appliances, Part 2-40: Particular Requirements for Electrical Heat Pumps, Air-Conditioners, and Dehumidifiers*. Northbrook, IL: Underwriters Laboratories, Inc.
3. UL. 201~~4~~8. UL 484/CSA 22.2 No. 117, *Standard for Room Air Conditioners.* Northbrook, IL: Underwriters Laboratories, Inc.
4. UL. ~~1995~~2015. UL 1995/CSA C22.2 No. 236, *Heating and Cooling Equipment*. Northbrook, IL: Underwriters Laboratories, Inc.
5. AHRI. 2019. AHRI Standard 700, *Specifications for Refrigerants*. Arlington, VA: Air-Conditioning, Heating, and Refrigeration Institute.
6. UL. 202~~0~~2. UL 207, *Standard for Refrigerant-Containing Components and Accessories, Nonelectrical*. Northbrook, IL: Underwriters Laboratories, Inc.
7. ASSE. 2012. ASSE 1079, *Performance Requirements for Dielectric Pipe Unions*. Mokena, IL: ASSE International.
8. AWS. 201~~1~~9. A5.8M/A5.8, *AMD1 Specification for Filler Metals for Brazing and Braze Welding.* Miami, FL: American Welding Society.
9. ASME. 2018. ASME B1.20.1-2013 (R2018), *Pipe Threads, General Purpose, Inch*. New York: American Society of Mechanical Engineers.
10. ASME. 1976. ASME B1.20.3-1976 (RA20~~18~~23), *Dryseal Pipe Threads, Inch*. New York: American Society of Mechanical Engineers.
11. ASME. 2006. ASME B1.13M-2005 (R2020), *Metric Screw Threads: M Profile.* New York: American Society of Mechanical Engineers.
12. ASME. 202~~0~~4. ASME B1.1-20~~19~~24, *Unified Inch Screw Threads (UN, UNR, and UNJ Thread Forms).* New York: American Society of Mechanical Engineers.
13. ASTM. 2019. ASTM B210/B210M Revision 19A, *Standard Specification for Aluminum and Aluminum-Alloy Drawn Seamless Tubes.* West Conshohocken, PA: ASTM International.
14. ASTM. 20~~15~~23. ASTM B491/B491M, *Standard Specification for Aluminum and Aluminum-Alloy Extruded Round Tubes for General-Purpose Applications*. West Conshohocken, PA: ASTM International.
15. ASTM. 201~~1~~9. ASTM B68/B68M, *Standard Specification for Seamless Copper Tube, Bright Annealed*. West Conshohocken, PA: ASTM International.
16. ASTM. 20~~11~~20. ASTM B75/B75M, *Standard Specification for Seamless Copper Tube*. West Conshohocken, PA: ASTM International.

17. ASTM. 20~~16~~23. ASTM B280, *Standard Specification for Seamless Copper Tube for Air Conditioning and Refrigeration Field Service.* West Conshohocken, PA: ASTM International.
18. ASTM. 2019. ASTM B819, *Standard Specification for Seamless Copper Tube for Medical Gas Systems.* West Conshohocken, PA: ASTM International.
19. ASTM. 20~~16~~23. ASTM B1003, *Standard Specification for Seamless Copper Tube for Linesets.* West Conshohocken, PA: ASTM International.
20. ASTM. 2016. ASTM B361, *Standard Specification for Factory-Made Wrought Aluminum and Aluminum-Alloy Welding Fittings.* West Conshohocken, PA: ASTM International.
21. ASME. 2018. ASME B16.15, *Cast Copper Alloy Threaded Fittings: Classes 125 and 250*. New York: American Society ~~Of~~of Mechanical Engineers.
22. ASME. 20~~18~~21. ASME B16.18, *Cast Copper Alloy Solder Joint Pressure Fittings*. New York: American Society of Mechanical Engineers.
23. ASME. 20~~18~~21. ASME B16.22, *Wrought Copper and Copper Alloy Solder-Joint Pressure Fittings*. New York: American Society of Mechanical Engineers.
24. ASME. 2018. ASME B16.26, *Cast Copper Alloy Fittings for Flared Copper Tubes*. New York: American Society of Mechanical Engineers.
25. ASME. 20~~18~~21. ASME B16.50, *Wrought Copper and Copper Alloy Braze-Joint Pressure Fittings*. New York: American Society of Mechanical Engineers.
26. ASTM. 202~~1~~3. ASTM A105, *Standard Specification for Carbon Steel Forgings for Piping Applications.* West Conshohocken, PA: ASTM International.
27. ASTM. 202~~0~~3. ASTM A181, *Standard Specification for Carbon Steel Forgings, for General-Purpose Piping.* West Conshohocken, PA: ASTM International.
28. ASTM. 20~~19~~23. ASTM A234, *Standard Specification for Piping Fittings of Wrought Carbon Steel and Alloy Steel for Moderate and High Temperature Service.* West Conshohocken, PA: ASTM International.
29. ASTM. 202~~0~~2. ASTM A420, *Standard Specification for Piping Fittings of Wrought Carbon Steel and Alloy Steel for Low-Temperature Service.* West Conshohocken, PA: ASTM International.
30. MSS. 2018. ANSI/MSS SP-58, *Pipe Hangers and Supports—Materials, Design, Manufacture, Selection, Application, and Installation.* Vienna, VA: Manufacturers Standardization Society.
31. GPO. 202~~1~~4. Code of Federal Regulations, Title 40 CFR 82, *Protection of Stratospheric Ozone*. Washington, DC: U.S. Government Publishing Office.

***Modify Section INFORMATIVE APPENDIX C as follows. The remainder of Section INFORMATIVE APPENDIX C remains unchanged.***

[ ... ]

## INFORMATIVE APPENDIX C
## INFORMATIVE REFERENCES

ASHRAE. 20~~19~~24. ANSI/ASHRAE Standard 15, *Safety Standard for Refrigeration Systems*. Atlanta, GA: ASHRAE.
Note to reviewer - Update to the 2024 edition dependent upon publication of ASHRAE 34 on the same cycle with ASHRAE 15.
ASHRAE. 20~~19~~22. ANSI/ASHRAE Standard 62.2, *Ventilation and Acceptable Indoor Air Quality in Residential Buildings.* Atlanta: ASHRAE.
IIAR. 2021. ANSI/IIAR Standard 2, *American National Standard for Safe Design of Closed-Circuit Ammonia Refrigeration Systems*. Alexandria, VA: International Institute of Ammonia Refrigeration.
ISO. 20~~05~~22. ISO Standard 17584, *Refrigerant Properties*. Geneva, Switzerland: International Standards Organization.
ISO. 2014. ISO 817, *Refrigerants—Designation and Safety Classification*. Geneva, Switzerland: International Organization for Standardization.
NIST. 2013. NIST Standard Reference Database 23: Reference Fluid Thermodynamic and Transport Properties–REFPROP, Version 9.1. Gaithersburg, MD: National Institute of Standards and Technology. Including patch update DLL version 9.1108 (July 29, 2014) and mixing parameter file HMX.BNC (November 9, 2015); http://www.nist.gov/srd/nist23.cfm, http://www.boulder.nist.gov/div838/theory/refprop/Frequently_asked_questions.htm.
***Informative Note:*** The referenced software version or more recent version *shall* be acceptable.

UL. 2016. UL 60335-1/CSA C22.2 No. 60335-1, *Safety of Household and Similar Appliances, Part 1: General Requirements*. Northbrook, IL: Underwriters Laboratories, Inc.

**BSR/ASHRAE Addendum h**
**to ANSI/ASHRAE Standard 15.2-2022**

**First Public Review Draft**

# Proposed Addendum h to Standard 15.2-2022, Safety Standard for Refrigeration Systems

**First Public Review (July 2024)**
**(Draft shows Proposed Changes to Current Standard)**

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

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## FOREWORD

*This proposed addendum is in response to ASHRAE 15.2 CMP 0004-001. It is intended to align with the approved response to the ASHRAE 15 CMP 0012-001, which modified the definition of pressure vessel in ASHRAE Standard 15.*

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

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**Addendum X to Standard 15-2022**

***Modify Section 4 as follows. The remainder of Section 4 remains unchanged.***

## 4. DEFINITIONS

[ … ]

~~***pressure vessel:*** any *refrigerant* containing receptacle in a *refrigeration system*, other than the following:~~
~~a. Evaporators, where each separate evaporator section does not exceed 0.5 ft3 (0.014 m3) of *refrigerant* containing volume regardless of the maximum inside dimension~~

~~b. Evaporator coils, *compressors*, condenser coils, controls, *headers*, pumps, and *piping*~~

***pressure vessel:*** any *refrigerant*-containing receptacle in a *refrigeration system*. This does not include evaporators or condensers, where each separate evaporator or condenser section does not exceed 0.5 $ft^3$ (0.014 $m^3$) of *refrigerant*-containing volume, regardless of the maximum inside dimension. This also does not include evaporator coils, *compressors*, condenser coils, controls, *headers*, pumps, and *piping*.

[ … ]

**BSR/ASHRAE Addendum w**
**to ANSI/ASHRAE Standard 15-2022**

**First Public Review Draft**

# Proposed Addendum w to Standard 15-2022, Safety Standard for Refrigeration Systems

**First Public Review (July 2024)**
**(Draft shows Proposed Changes to Current Standard)**

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## FOREWORD

*This proposed addendum permits use of the ventilation airflow rate according to Section 8.9.6 (i.e. the $\sqrt{G}$ equation of Section 8.9.8.1) where explosion proof electrical equipment is chosen as the compliance path, making ignition source engineering controls the primary means of risk management to mitigate the flammability hazard in machinery room applications employing Class 2L refrigerants, in the same manner as the requirements of Section 8.10 for Class 2 and Class 3 refrigerants. The other compliance path of using ventilation airflow rate according to Section 8.11.11 to mitigate the flammability hazard remains unchanged.*

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## Addendum w to Standard 15-2022

***Modify Section 8 as follows. The remainder of Section 8 remains unchanged.***

## 8. INSTALLATION RESTRICTIONS

[ … ]

**8.11 Machinery Room, Special Requirements, A2L and B2L.**

[ … ]

**8.11.6** ~~When~~Where any *refrigerant* of Groups A2, A3, B2, or B3 are used, the *machinery room shall* be designated as Class I, Division 2 hazardous (classified) electrical location in accordance with the *National Electric Code*® [4] (NFPA 70). ~~When the only flammable *refrigerants* used are from Group A2L or B2L, the *machinery room shall* comply with both Section 8.11.6.1 for ventilation and Section 8.11.6.2 for *refrigerant* detection, or *shall* be designated as Class I, Division 2 hazardous (classified) electrical location in accordance with the NFPA 70.~~

Where flammable *refrigerants* only from Groups A2L or B2L are used, the *machinery room shall* meet one of the following:

a. Be provided with ventilation per Section 8.11.6.1 and *refrigerant* detection per Section 8.11.6.2.

b. Be designated as Class I, Division 2 hazardous (classified) electrical location in accordance with NFPA 70, and be provided with ventilation per Section 8.9.6 and *refrigerant* detection per Section 8.11.6.2. Compliance to Section 8.11.11 *shall not* be required.

[ … ]

**BSR/ASHRAE/IES Addendum ag**
**to ANSI/ASHRAE/IES Standard 90.1-2022**

## Public Review Draft

# Proposed Addendum ag to Standard 90.1-2022, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings

**First Public Review (June 2024)**
**(Draft Shows Proposed Changes to Current Standard)**

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

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## FOREWORD

This draft addendum, initiated by a continuous maintenance proposal, improves the definition of "series energy recovery ratio (SERR)" by removing the specific dry bulb condition at which it is rated to allow the term to be used for different conditions. The rated entering air conditions have been moved to Exception 7 to Section 6.5.6.1.2, which covers exhaust air energy requirements for other than non-transient dwelling units.

In addition, the term, as shown in Section 3.2, has been changed from "energy recovery, series" to "series energy recovery" to make it easier to find in the definitions list.

This addendum does not change requirements to meet the exception.

*Cost justification:*
The construction cost has not changed because the stringency has not changed.

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

## Addendum ag to 90.1-2022

*Modify Section 3.2 as shown (I-P and SI):*

***series energy recovery ratio~~, series~~ (SERR):*** the difference between the dry-bulb air temperatures leaving the *series energy recovery* unit and leaving the dehumidifying coil divided by the difference between ~~75°F and~~ the dry-bulb temperatures of the air entering the *series energy recovery* unit and ~~of~~ the air leaving the dehumidifying cooling coil.

***series energy recovery~~, series~~:*** a three-step process in which the first step is to remove *energy* from a single airstream without the use of *mechanical cooling*. In the second step, the airstream is mechanically cooled for the purpose of dehumidification. In the third step, the *energy* removed in step one is reintroduced to the airstream.

*Modify Exception 7 to 6.5.5.1.2 as shown (I-P and SI):*

**Exceptions to 6.5.6.1.2:**

**…**

7. *Systems* in Climate Zones 0 through 4 requiring dehumidification that employ *series energy recovery* and have a minimum *SERR* of 0.40 at 75.0°F [23.9°C] dry-bulb, 63.0°F [17.2°C] wet-bulb entering air condition, and at the design airflow.

**…**

**BSR/ASHRAE/IES Addendum an**
**to ANSI/ASHRAE/IES Standard 90.1-2022**

**Public Review Draft**

# Proposed Addendum an to Standard 90.1-2022, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings

**First Public Review (July 2024)**
**(Draft Shows Proposed Changes to Current Standard)**

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# FOREWORD

*This addendum revises section 9.5.1 Building Area Method lighting power density (LPD) values. These values are developed via a space-weighted average using 9.5.2 Space-by-Space Method individual LPD values. Addendum S which received only one editorial comment included the revised Space-by-Space LPD values. These values are directly based on Addendum S.*

*The cost–effectiveness analysis was done during the development of Addendum s and this is an alternate compliance pathway.*

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

# Addendum an to 90.1-2022

*Modify the lighting power density values as follows*

9.5.1 **Building Area Method Compliance Path**. Use the following steps to determine the *interior lighting power allowance* by the Building Area Method:

**Table 9.5.1 Lighting Power Density Using the Building Area Method**

| Building Area Type[a] | LPD, W/ft$^2$ |
|---|---|
| Automotive facility | 0.69 ~~0.73~~ |
| Convention center | 0.58 ~~0.64~~ |
| Courthouse | 0.69 ~~0.75~~ |
| Dining: Bar lounge/leisure | 0.70 ~~0.74~~ |
| Dining: Cafeteria/fast food | 0.67 ~~0.70~~ |
| Dining: Family | 0.62 ~~0.65~~ |
| Dormitory | 0.48 ~~0.52~~ |
| Exercise center | 0.68 ~~0.72~~ |
| Fire station | 0.52 ~~0.56~~ |
| Gymnasium | 0.70 ~~0.75~~ |
| Health care clinic | 0.74 ~~0.77~~ |
| Hospital | 0.88 ~~0.92~~ |
| Hotel/motel | 0.49 ~~0.53~~ |
| Library | 0.81 ~~0.83~~ |
| Manufacturing facility | 0.77 ~~0.82~~ |
| Motion picture theater | 0.39 ~~0.43~~ |
| Multifamily | 0.44 ~~0.46~~ |
| Museum | 0.52 ~~0.56~~ |
| Office | 0.59 ~~0.62~~ |
| Parking garage | 0.14 ~~0.17~~ |
| Penitentiary | 0.62 ~~0.65~~ |
| Performing arts theater | 0.76 ~~0.82~~ |
| Police station | 0.58 ~~0.62~~ |
| Post office | 0.60 ~~0.64~~ |
| Religious facility | 0.61 ~~0.66~~ |
| Retail | 0.73 ~~0.78~~ |
| School/university | 0.66 ~~0.70~~ |
| Sports arena | 0.68 ~~0.73~~ |
| Town hall | 0.63 ~~0.67~~ |
| Transportation | 0.55 ~~0.56~~ |
| Warehouse | 0.52 ~~0.45~~ |
| Workshop | 0.82 ~~0.86~~ |

a. In cases where both a general *building* area type and a specific *building* area type are listed, the specific *building* area type shall apply.

**9.5.1 Building Area Method Compliance Path**. Use the following steps to determine the *interior lighting power allowance* by the Building Area Method:

**Table 9.5.1 Lighting Power Density Using the Building Area Method**

| Building Area Type[a] | LPD, W/m$^2$ |
|---|---|
| Automotive facility | 7.4 ~~7.9~~ |
| Convention center | 6.3 ~~6.8~~ |
| Courthouse | 7.5 ~~8.0~~ |
| Dining: Bar lounge/leisure | 7.5 ~~8.0~~ |
| Dining: Cafeteria/fast food | 7.2 ~~7.5~~ |
| Dining: Family | 6.7 ~~7.0~~ |
| Dormitory | 5.2 ~~5.6~~ |
| Exercise center | 7.3 ~~7.8~~ |
| Fire station | 5.6 ~~6.0~~ |
| Gymnasium | 7.5 ~~8.1~~ |
| Health care clinic | 7.9 ~~8.3~~ |
| Hospital | 9.4 ~~9.9~~ |
| Hotel/motel | 5.3 ~~5.7~~ |
| Library | 8.7 ~~9.0~~ |
| Manufacturing facility | 8.3 ~~8.8~~ |
| Motion picture theater | 4.2 ~~4.6~~ |
| Multifamily | 4.7 ~~4.9~~ |
| Museum | 5.6 ~~6.0~~ |
| Office | 6.3 ~~6.7~~ |
| Parking garage | 1.5 ~~1.8~~ |
| Penitentiary | 6.7 ~~7.0~~ |
| Performing arts theater | 8.2 ~~8.8~~ |
| Police station | 6.3 ~~6.6~~ |
| Post office | 6.5 ~~6.8~~ |
| Religious facility | 6.5 ~~7.1~~ |
| Retail | 7.9 ~~8.4~~ |
| School/university | 7.1 ~~7.5~~ |
| Sports arena | 7.3 ~~7.8~~ |
| Town hall | 6.8 ~~7.2~~ |
| Transportation | 5.9 ~~6.0~~ |
| Warehouse | 5.6 ~~4.8~~ |
| Workshop | 8.8 ~~9.3~~ |

a. In cases where both a general *building* area type and a specific *building* area type are listed, the specific *building* area type shall apply.

**BSR/ASHRAE/IES Addendum au**
**to ANSI/ASHRAE/IES Standard 90.1-2022**

**Public Review Draft**

# Proposed Addendum au to Standard 90.1-2022, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings

**First Public Review (July 2024)**
**(Draft Shows Proposed Changes to Current Standard)**

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# FOREWORD

*This addendum aligns how automated shading and dynamic glazing are modeled in Section 12 with Appendix G, not giving credit for manual shading, but allowing permanently installed automatically controlled shading devices and dynamic glazing to be modeled. Performance properties of automatically controlled shading devices must be determined in accordance with AERC 1 from the Attachments Energy Rating Council. At the same time, this proposal makes clean-up corrections to some of italicized terms in both Ch 12 and App G.*

*This addendum impacts an optional performance path in the standard designed to provide increased flexibility and therefore was not subjected to cost-effectiveness analysis.*

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

# Addendum au to 90.1-2022

*Modify Section 12 as follows:*

**Table 12.5.1 Modeling Requirements for Calculating Design Energy Cost and Energy Cost Budget**

| Proposed Design (Column A) Design Energy Cost (DEC) | Budget Building Design (Column B) Energy Cost Budget (ECB) |
|---|---|
| **5. Building Envelope** | |
| a. All components of the *building envelope* in the *proposed design* shall be modeled as shown on architectural drawings or as built for *existing building envelopes*. All *opaque building envelope* components shall be modeled accounting for thermal mass effects.<br>**Exception:** The following *building* elements are permitted to differ from architectural drawings.<br>…<br>6. ~~Manually operated~~ *Manual fenestration* shading devices, such as blinds or shades, shall ~~not~~ be modeled or not modeled the same as in the *budget building design*. *Permanently installed automatically* controlled *fenestration* shading devices shall be modeled. The performance of *automatically* controlled *fenestration* shading devices shall be determined in accordance with AERC 1. Permanent shading devices, such as fins, overhangs, and lightshelves, shall be modeled.<br>7. *Automatically* controlled *dynamic glazing* may be modeled. *Manual dynamic glazing* shall use the average of the minimum and maximum *SHGC* and *VT*. | d. No shading projections are to be modeled~~.~~. *Manual fenestration* shading devices such as blinds or shades are not required to be modeled. *Automatically* controlled *fenestration* shading devices shall not be modeled. ...<br>*(rest of paragraph unchanged)* |

*(rest of table unchanged)*

*Modify Appendix G as follows:*

**Table G3.1 Modeling Requirements for Calculating Proposed Building Performance and Baseline Building Performance**

| Proposed Building Performance | Baseline Building Performance |
|---|---|
| **5. Building Envelope** | |
| a. All components of the *building envelope* in the *proposed design* shall be modeled as shown on architectural drawings or as built for *existing building envelopes*. All *opaque building envelope* components shall be modeled accounting for thermal mass effects.<br>**Exception:** The following *building* elements are permitted to differ from architectural drawings:<br>…<br>6. *Manual fenestration* shading devices, such as blinds or shades, shall be modeled or not modeled the same as in the *baseline building design*. *Permanently installed* ~~a.~~*automatically* controlled *fenestration* shades or blinds shall be modeled. The performance of *automatically* controlled *fenestration* shading devices shall be determined in accordance with AERC 1. Permanent shading devices, such as fins, overhangs, and light shelves shall be modeled.<br>7. *Automatically* controlled *dynamic glazing* may be modeled. ~~Manually controlled~~ *Manual dynamic glazing* shall use the average of the minimum and maximum *SHGC* and *VT*. | **f. Vertical Fenestration Assemblies.** *Fenestration* for new *buildings*, *existing buildings*, and additions shall comply with the following:<br>…<br>• *Manual* ~~window~~ *fenestration* shading devices such as blinds or shades are not required to be modeled.<br>• ~~Automatic~~ *Automatically* controlled *fenestration* shading devices shall not be modeled. |

*(rest of table unchanged)*

*Add to Section 13 as follows:*

## 13. NORMATIVE REFERENCES

| Reference | | Section |
|---|---|---|
| **Attachments Energy Rating Council (AERC)<br>355 Lexington Ave 15th Floor New York, NY 10017** | | |
| AERC-1-2021 | Procedures for Determining Energy Performance Properties of Fenestration Attachments | Table 12.5.1<br>Table G3.1 |

**BSR/ASHRAE/IES Addendum bb**
**to ANSI/ASHRAE/IES Standard 90.1-2022**

## Public Review Draft

# Proposed Addendum bb to Standard 90.1-2022, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings

**First Public Review (July 2024)**
**(Draft Shows Proposed Changes to Current Standard)**

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

This standard is under continuous maintenance. To propose a change to the current standard, use the change submittal form available on the ASHRAE website, www.ashrae.org.
The appearance of any technical data or editorial material in this public review document does not constitute endorsement, warranty, or guaranty by ASHARE of any product, service, process, procedure, or design, and ASHRAE expressly disclaims such.



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

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

## FOREWORD

*Increasing the minimum efficiency of axial fan open-circuit cooling towers will save energy and the new level will now match the mandatory level found in California Title 24. This efficiency increase is not expected to result in any meaningful market shift from water-cooled systems to alternative cooling solutions.*

*The proposed change will impact a relatively small segment of the market that is currently below the 42.1 gpm/hp efficiency level, increasing cost slightly for these selections. As a typical example, an axial fan counterflow cooling tower selection was examined that required an additional layer of fill (heat transfer surface) but reduced the fan horsepower from 30 HP to 25 HP. This increased the height of the unit by 16" but resulted in an estimated simple payback of 1.5 years based on the additional cost (unit, taller screen wall, etc.) offset by the yearly energy savings of the smaller motor, exceeding the Scalar Ratio Limit (SRL) calculated based on a 20-year life for axial fan, open circuit cooling towers.*

*This Continuous Maintenance Proposal is being submitted on behalf of the Regulatory Subcommittee of ASHRAE TC8.6 (Cooling Towers) and has its unanimous support. Note that TC8.6 has also submitted a complementary proposal for a cooling tower Energy Credit that is based on this new, higher efficiency level.*

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

## Addendum bb to 90.1-2022

*IP:*

**Table 6.8.1-7 Performance Requirements for Heat Rejection Equipment—Minimum Efficiency Requirements …**

| Equipment Type | Total System Heat-Rejection Capacity at Rated Conditions | Subcategory or Rating Condition [h] | Performance Required [a,b,c,f,g] | Test Procedure [d,e] |
|---|---|---|---|---|
| Propeller or axial fan open-circuit cooling towers | All | 95°F entering water<br>85°F leaving water<br>75°F entering wb | ≥~~40.2~~ 42.1 gpm/hp | CTI ATC-105 and CTI STD-201 RS |

…

*(Note: rest of table is unchanged.)*

SI:

**Table 6.8.1-7 Performance Requirements for Heat Rejection Equipment—Minimum Efficiency Requirements …**

| Equipment Type | Total System Heat-Rejection Capacity at Rated Conditions | Subcategory or Rating Condition [h] | Performance Required [a,b,c,f,g] | Test Procedure [d,e] |
|---|---|---|---|---|
| Propeller or axial fan open-circuit cooling towers | All | 35.0°C entering water<br>29.4°C leaving water<br>23.9°C entering wb | ≥3.4~~0~~56 L/(s·*kW)* | CTI ATC-105 and CTI STD-201 RS |

…

*(Note: rest of table is unchanged.)*

**[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.*

•

## 5 Design and Construction

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### 5.10 Fastening methods

#### 5.10.1 Exposed fastenings

Exposed ~~screw~~ threads~~, projecting screws, and studs~~ shall not be used on interior work surfaces. ~~They shall only be used on exposed interior and other interior surfaces when other fastening methods are impractical. All metal fasteners and studs subject to maintenance shall not be subject to excessive overspray.~~

#### ~~5.10.2 Exterior fastenings~~

~~Fasteners for exterior removable panels that are gasketed and subject to pressure shall be studs with solid acorn nuts, or equivalent, so that the gasket is sealed. Fasteners for other removable panels may be low profile-type fasteners (truss, round counter sunk, flat counter sunk head [see Figure 4]), or studs with solid acorn nuts. All metal fasteners and studs subject to maintenance shall not be subject to excessive overspray.~~

#### 5.10.3 Interior fastenings

In areas subject to cleaning, interior fastenings and joinings shall be fabricated to minimize projections, ledges, and recesses. ~~All metal fasteners and studs subject to maintenance shall not be subject to excessive overspray.~~

•

~~**5.11 Welds**~~

~~Welds shall meet the smoothness requirements of the applicable surface.~~

~~**5.12 Solder**~~

~~Solder shall only be used to seal structurally sound seams or as a fillet material (see Section 5.7.1.3).~~

- 

**5.13 Removable panels**

All maintenance panels to access the blower / motor assemblies and filters shall be front access. Panels shall remain in place when sealing fasteners are removed. All cabinets shall be provided with a blower access panel. Cabinets fabricated without an access panel large enough to allow removal of the blower motor assembly as one piece shall be prohibited. ~~The design and construction of removable panels shall minimize projections and openings.~~

Removable panels for access into contaminated areas shall be designed so that upon reassembly, a seal is provided without application of additional sealant as required in Section 5.23 ~~6.2~~.

- 

**5.16 Legs and feet**

~~Legs and feet shall be sufficiently rigid to provide support with a minimum of cross bracing. They shall be fastened to the cabinet and shaped at floor or bench top contact to minimize the accumulation of splash and spillage. Legs and feet shall be of simple design, with no exposed threads.~~ The minimum contact diameter of the foot shall be 0.75 inch (19 mm). The foot shall be fabricated with a smooth material to prevent floor damage.

> ***Rationale****: Language is ambiguous and unnecessary. The TG proposes allowing exposed threads. Although exposed threads on the feet may look sloppy, they don't create a problem with function. The original intent was to avoid feet that are difficult to clean. If that is important in the long run, new language requirement will be needed. The current problem is that a new foot design has become very popular and the manufacturers using it are doing things to meet this requirement that make this design function less well.*

- 

**5.17 Reinforcing and framing**

Reinforcing and framing members, not totally enclosed or within walls, shall be easily cleanable. ~~Reinforcing and framing members shall not provide harborage for vermin. The ends of all hollow sections, not subject to gas decontamination, shall be closed.~~ Reinforcing and framing members subject to splash, or spillage, or both, shall be sealed. ~~Horizontal angle reinforcing and gussets shall not be placed where soil may accumulate. Where angles are used horizontally, they shall have one leg turned down wherever the equipment permits or be formed integrally with the sides. All vertical channel sections shall be completely closed or open.~~

> ***Rationale****: These requirements make sense for food equipment but are overly restrictive for biosafety cabinets. In a separate ballot, a new definition for "easily cleanable" is proposed.*

**[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.*

•

## 5 Design and Construction

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### 5.18 ~~Fixed panels~~

~~Fixed panels shall be designed, constructed, and fastened to eliminate projections and openings.~~

***Rationale**: there is no historical record of violation of this and likely adds little value.*

### 5.19.1 Single panel

Single panel doors (see Figure 8) and covers shall be fabricated to minimize the collection of foreign matter ~~and be designed without channel sections at the bottom. Channel sections, if used, shall be inverted or shallow and wide enough to be easily cleanable.~~ Channel tracks shall not have a depth greater than the width of the channel top. Clean-out holes shall be provided in all channels that are not inverted.

***Rationale**: Proposing to change this to language from NSF Standard 2 because it is less ambiguous.*

•

### 5.25.2 Internal cabinet supply / exhaust fan interlock alarm

When a cabinet contains both an internal downflow and exhaust fan, they shall be interlocked so that the downflow fan shuts off whenever the exhaust fan fails. An audible and visual alarm shall signal the failure. If the downflow fan fails, the exhaust fan shall continue to operate, and an audible and visual alarm shall signal the failure. Audible and visual alarms shall activate within 15 seconds of the alarm condition initiating.

***Rationale**: This applies the same time requirement specified for the type B exhaust and canopy alarms.*

•

### 5.25.6 Type A1, A2, or C1 cabinet low inflow alarm

Type A1, A2, or C1 cabinets may contain an inflow alarm system to alert the user of a potential loss of personnel protection. When present, an audible and visual alarm shall be required to indicate within 15 seconds of reaching the manufacturer-specified inflow alarm set point.

When starting the cabinet blowers from a dead stop, the inflow alarm must activate a visual indication until the cabinet either enters into a visually indicated warm up period or the appropriate inflow velocity is achieved to ensure proper alarm system function.
If the manufacturer-specified inflow velocity alarm set point is more than 10 ft/min (0.051 m/s) less than the nominal inflow velocity, the tests as specified in Section N-1.6.3.1.h will be performed with the inflow velocity at this set point ± ~~3.0~~2.0 ft/min (~~0.015~~0.01 m/s). ~~If the manufacturer-specified inflow velocity alarm set point is no more than 10 ft/min (0.051 m/s) less than the nominal inflow velocity, the inflow alarm point shall be tested as specified in Section N-1.6.3.1.h.~~

***Rationale****: Correcting to the new test tolerance. The last sentence is redundant (covered in N-1) and confusing.*

•

### 5.31 Total work area components placement

Readily removable interior total work area work surfaces, intake air grills, sash wipes, and exhaust air grills shall be designed and constructed to ensure fixed reinstallation in their proper operating positions.

•

### 5.34 User-modified pass-throughs

— Retaining element(s) for the various cables, tubes, etc. shall be readily replaceable by the user.
— The pass-through shall bear cautionary labels both interior and exterior referencing use.
— The pass-through shall be connected to a negative pressure zone to prevent contaminated air from escaping the cabinet.

**[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.*

## 3 Definitions

**3.XX** Tubing restraint – Device to minimize movement (i.e. +/- ¼") of tubing.

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## 5 Design and Construction

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### 5.23 Gaskets and sealants

Exposed surfaces of gaskets shall be easily cleanable and shall not contain internal angles (angles less than 2.4 rad [135°]). All corner joints and hollow sections of gaskets shall be sealed:

— fixed gaskets shall be securely fastened and sealed in place;

— ~~HEPA/ULPA filter seals shall be leakproof when tested in accordance with Section N-1.3.~~ Gaskets on HEPA/ULPA filters shall have interlocking corners or sealed joints;

***Rationale**: The test in N-1.3 covers this requirement sufficiently. Due to negative surround design, a filter gasket leak is possible, with the leak drawing air into the cabinet. It is always possible such a leak is there but we will not detect it.*

— gaskets used in cabinet seams or on the facing of service panels shall have sealed joints. Structural strength of seams and service panel joints shall be independent of the seal produced by the gasket; and

— gaskets used in cabinet seams or on the facing of service panels shall provide for resealing after removal and reinstallation.

— Service panels providing access to contaminated spaces shall have a gasket

— the structural strength of joints or assemblies where sealant bonding has been applied shall be independent of the sealants.

•

### 5.26 Electrical components

#### 5.26.1 Motor

— ~~a thermal protector shall be provided. It shall not trip at 115% of the rated voltage under maximum load and ambient temperature conditions. The motor shall be rated for continuous operation;~~

***Rationale****: So long as certification to IEC 61010 is required, we should leave electrical requirements to them as the experts.*

— ~~fan motors shall be sized to operate at a static pressure sufficient to meet the requirements of Section 6.13;~~

***Rationale****: The motor blower test covers this. It doesn't belong as a design and construction requirement.*

— all fan motors shall be variable speed and shall have controls that can be secured. Controls shall be installed behind a removable or locked panel. Motor controls shall permit the adjustment of fan speeds to achieve proper airflow balance~~; and~~

— motors and lights shall be separately protected from the receptacles. ~~Circuit overload protection conforming to the National Electrical Code shall be provided. Flexible power cords for single-phase power shall be 3-wire, with the ground wire connected to the frame, unless otherwise specified and sized in accordance with the National Electrical Code for the specified load(s).~~

***Rationale****: So long as certification to IEC 61010 is required, we should leave electrical requirements to them as the experts. Protecting the receptacles separately is a safety requirement for cabinet operation so that stays with 49.*

#### 5.26.2 Electrical wiring, switches, etc.

Replaceable electrical components shall not be located in contaminated air plenums, except for fan motors, sealed nonporous or jacketed wiring, and necessary airflow sensors. All wiring penetrations of contaminated spaces shall be sealed in accordance with Section 6.2. ~~Circuit overload protection shall be provided for all receptacles.~~ Switches shall be mounted outside the total work area. Cabinet wiring diagram(s), such as assembly or ladder schematic, shall be accessible by downloadable barcode, permanent label or sealed plastic pouch attached to a cabinet panel or surface located outside of air plenums systems. A statement providing starting current, maximum current / full load ampere (FLA) rating, and circuit requirements shall be provided with the installation instructions.

***Rationale****: So long as certification to IEC 61010 is required, we should leave electrical requirements to them as the experts.*

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**5.28 Gauges, Pressure Transducers, and Switches**

Pressure gauges indicating the differential pressure across the recirculated air filter, ~~if~~ may be provided but are not required~~, shall be installed in accordance with the manufacturer's instructions~~. All tubing shall have an inside diameter less than the outside diameter of the mating connection and ~~Hose connections to the gauge and sampling port~~ shall be secured by one of the following methods when the tubing is coming from a potentially contaminated plenum:

- positive compression clamps
- Tubing restraint, securing the tubing within 4 in (10 cm) of each connection point
- a distance not greater than 1 in (2.5 cm) between connections points opposite each other, with the length of tubing exceeding the distance between the points and each connection point secured to the same solid surface

If threaded connections are used to penetrate the plenum, an engagement of three continuous threads shall be required.

Tubing coming from positively pressurized and potentially contaminated plenums shall be protected by an in-line HEPA filter, with a minimum rated efficiency of 99.97 percent.

***Rationale**: The first sentence implies the gauges are installed in the field. These are factory installed parts.*

•

**5.32 Data plate(s)**

**5.32.1** A data plate(s) indicating the following shall be readily visible on the front of the cabinet:

— manufacturer's name and address;
— cabinet model;
— cabinet serial number;
— Type classification;
— input voltage and frequency requirements, as well as rated amps.

**5.32.2** The following shall be readily viewable from the front of the cabinet:

— nominal set point for downflow and inflow velocities (DIM and thermal anemometer);
— downflow velocity test grid dimensions (Section N-1.8.3); ~~and~~
— inflow velocity test grid and method (Section N-1.9.3); and
— software or firmware version number(s) used by the BSC

Clarification for voters: **readily viewable**: Visible without using tools but may require manual selection. This means the software version could be viewed through menus. It does not have to be printed on a physical data plate.

***Rationale**: The software or firmware version can have a significant impact on performance. It is common during qualification testing for a manufacturer to change software in response to test failures. Software updates may be applied in the field. When this happens, it should be easy for the field certifier to access the software version number so they will know if an update has been applied or not.*

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

NSF/ANSI/CAN Standard
for Drinking Water Additives –

# Drinking Water Treatment Chemicals – Health Effects

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## Normative Annex 1
(previously Annex B)

**Sampling, preparation, and analysis of samples**

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## N-1.4 Analysis methods

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### N-1.4.3.2.1.1 Apparatus

The following apparatus shall be used in this analysis:

— vacuum apparatus or Sonicator to degas mobile phase;

— HPLC pump;

— HPLC-UV spectrophotometric detector;

— YMC ODS-AL column, 4.6 × 150 mm, (AL12S05-1546WT); Guard Housing (XPEF43WTI); and YMC ODS-AL S-5 Guard Column (AL12S05 G 304WTA);
— Bio-Rad HPLC Fast Acid Analysis Column Cat. No. 125-0100 and Micro-Guard Refill Cartridges Cat. No. 125-0129;

— autosampler 100 µL capabilities;

— analytical data acquisition system;

— millipore 0.1 VV µm filter disc or equivalent and 0.22 µm GS filter paper;

— volumetric pipettes;

- analytical balance accurate to 0.0001 g;
- multi-plate stirrer and 1 in stirring bars;
- vacuum filtration flasks;
- 100 mL volumetric flasks;
- 400 mL beakers;
- vacuum manifold for 0.1 µm Millex-VC filters or equivalent; and
- for latex: cage stirrer, Jiffy mixer, Model LM, or equivalent and cone-driven stirring motor.

#### N-1.4.3.2.1.2 Reagents

The following reagents shall be used in this analysis:

- concentrated sulfuric acid ($H_2SO_4$) reagent grade;
- acrylamide of 99%+; and
- ~~Milli-Q~~ ~~Type I water in accordance with ASTM D1193~~ Reagent water.

#### N-1.4.3.2.1.3 Procedure

##### N-1.4.3.2.1.3.1 Preparation of mobile phase

The mobile phase shall be prepared in the following manner:

a) Add 1.0 mL of concentrated sulfuric acid to a 2 L volumetric flask, ~~QS~~ dilute to volume with DI water and mix well. This yields a solution of sulfuric acid at approximately 0.01 M.

b) Filter through 0.22 µm GS Millipore filter paper or equivalent.

c) Vacuum or ultrasonicate to degas.

##### N-1.4.3.2.1.3.2 Sample preparation

- dry polymer preparation:

a) Weigh 199.5 ± 0.1 g DI water into a 400 mL tall form beaker. Record the weight as $W_{wt}$.

b) Clamp beaker under the mixer with the impeller centered about 1 cm above the bottom of the beaker.

c) Set mixer speed to 800 ± 20 rpm.

d) Place 0.5 g (to the nearest 0.1 mg) of dry polymer into the beaker. Record the weight as $DP_{wt}$.

e) Mix at 800 rpm for 30 min.

— chromatography sample preparation for dry polymer:

a) Weigh 1.0 g (to the nearest 0.1 mg) of the solution prepared in Section N-1..4.3.2.1.3.2.e into a glass jar. Record the weight as $DP_S$.

b) Add 10 mL of mobile phase weighed to the nearest (0.1 mg) into the same jar. Record the total weight as $DP_T$.

c) Add a stir bar and stir for 30 min at a medium speed.

d) After 30 min, filter through a 0.1 µm Millex-VC or equivalent using a vacuum manifold.

e) The sample is now ready for injection.

— chromatography sample preparation for latex polymer:

a) Weigh 0.1 g (to the nearest 0.1 mg) of latex polymer into a 100 mL volumetric flask. Record the weight as $LP_{wt}$.

b) ~~QS~~ Dilute to volume the flask with mobile phase.

c) Add a stir bar and stir for 30 min at a medium speed.

d) After 30 min, filter through a 0.1 µm Millex-VV filter unit or equivalent.

e) The sample is now ready for injection.

***Rationale: Adds "or equivalent" to allow for the use of generic options rather than trademarked products. Replaces "QS" with "dilute to volume" to eliminate confusion.***

**[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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#### 4.7.2.2 Products other than fire sprinklers

The $SA_F$ shall be calculated from the assumed length of pipe corresponding to the segment of the system in which the product is used (e.g., 100 ft of pipe in the service line or 280 ft of pipe in the residence). The $V_{F(static)}$ component of the N1 term shall be the volume of water contained within the assumed length of pipe. For fittings, the actual inner diameter of the pipe used with the fittings shall be used to calculate both $SA_F$ and $V_{F(static)}$. PVC, CPVC, PE and PP transition fittings with stainless steel or copper alloy inserts (except for stainless steel or copper alloy inserts intended for use with PEX tubing), unions and repair couplings are specfically excluded from this evaluation.

For PVC, CPVC, PE and PP transition fittings with stainless steel or copper alloy inserts (except for stainless steel or copper alloy inserts intended for use with PEX tubing), unions and repair couplings, the $SA_F$ shall be the wetted surface area of a single product. The $V_{F(static)}$ component of the N1 term shall be the volume of water a single product contains when filled to capacity, except that $V_{F(static)}$ shall equal 1 L (0.26 gal) for all products that contain < 1 L (0.26 gal) of water when filled to capacity.

> ~~NOTE —~~ These products shall be evaluated in this manner because the materials (stainless steel or copper alloy or repair coupling material) will not repeat within the piping system. When a material does repeat within the system, it shall be evaulated as a pipe or fitting, as appropriate. PVC, CPVC, PE and PP transition fittings with a stainless steel or copper alloy insert intended for use with PEX tubing are excluded because the remainder of the PEX system may also be plumbed with stainless steel or copper alloy fittings. Thus, the stainless steel or copper alloy material would repeat throughout the PEX system.

***Rationale: Include PE transition fittings in the list fittings to be evaluated as non-repeating. Removes note from normative language.***

**[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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### 7.7.5 Aeration packing media

The concentration reported by the laboratory shall be normalized with the following equation (Equation 4):

$$\begin{matrix}\text{normalized}\\ \text{contaminant}\\ \text{concentration}\end{matrix} = \begin{matrix}\text{laboratory}\\ \text{contaminant}\\ \text{concentration}\end{matrix} \times \frac{SA_F}{SA_L} \times \frac{V_{FL}}{V_{F(flowing)}}$$

where:

$SA_L$ = surface area attained during laboratory exposures;

$V_L$ = volume of exposure water used during laboratory exposures;

$SA_F$ = surface area of the product under field conditions; and

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

> ~~NOTE —~~ When manufacturer use instructions indicate that the aeration product can be subjected to static conditions in the field, normalized concentrations shall be modified to reflect the static condition. For the static condition, the $V_{F(flowing)}$ parameter shall be substituted with $V_{F(static)}$, which is equal to the volume of water contacting the media under static conditions in the field.

***Rationale: Corrects the equation to properly reflect the normalization equation that should be applied to Aeration Packing Media. Removes note from normative language.***

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

**1. Inclusion of Requirements for a New Test Method to Measure Resistivity of Partially-conductive Polymeric Materials in Accordance with ASTM D4496 in a New Section 22A**

## PROPOSAL

**22A D-C Resistance or Conductance of Moderately Conductive Materials**

22A.1 The test for the determination of the d-c resistance or conductance of moderately conductive plastic materials is described in the Standard Test Methods for D-C Resistance or Conductance of Moderately Conductive Materials, ASTM D4496.

22A.2 Three specimens are to be tested following a conditioning of 48 hours at 23.0 ±2.0°C (73.4 ±3.6°F) and 50±10 percent relative humidity, and 3 specimens are to be tested following a conditioning of 96 hours at 35.0 ±1.0°C (95.0 ±1.8°F) and 90 ±2 percent relative humidity. Immediately following conditioning, the specimen is placed in the testing apparatus and secured.

22A.3 The samples shall be 75 mm (3 in.) to 100 mm (4 in.) squares or rectangular strips whose length is 3-5 times longer than its width (min. 25 mm or 1-inch-wide strips to be used) with a maximum thickness of 1.5 mm (0.06 in.).

22A.4 For anisotropic films or sheets (where the Tensile Strength value in Machine Direction – MD and Transverse Direction – TD differs by more than 15%), two sets of test specimens shall be prepared having their long axes parallel with and normal to the suspected direction of anisotropy. The assigned resistivity value shall be the lowest of the value obtained for the two directions.

22A.5 Resistance measurements are to be conducted using a four-probe (Kelvin) configuration. Current is to be applied across the thickness of the specimen for Volume Resistivity measurements and across the surface for Surface Resistivity measurements. The resistance is to be accurately measured.

22A.3 From the data obtained, the volume (in Ω-cm) and surface (in Ω/sq) resistivity values shall be calculated.

**BSR/UL 962, Standard for Safety for Household and Commercial Furnishings**

**1. Addition of UL 62133-2 to C5.2**

## PROPOSAL

***Note from Standards Project Manager: Only revised text of 5.2 is shown below. See Standard for full list of referenced publications.***

5.2 The following publications are referenced in this Standard:

UL 1989, ~~*Standby Batteries*~~ *Valve Regulated or Vented Batteries with Aqueous Electrolytes*

UL 62133-2, *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*

C5.2 Batteries of a type other than specified in C3.2 shall comply with the requirements of UL 2054, or optionally if of a portable lithium secondary type with the requirements of UL 62133-2, and if of the lead acid storage battery type, shall additionally comply with the Pressure Release Test, and Flame Arrester ~~and~~ Vent Cap Tests in UL 1989.

**2. Addition of UL 62368-1 to Section C4**

## PROPOSAL

C4.1 A battery charger supplied with the furnishing or available as an accessory to the furnishing operating at a Class 2 or LPS power output level shall comply with the requirements in UL 1310 or UL 62368-1.

C4.2 A battery charging circuit integral to the furnishing operating at a Class 2 or LPS power output level shall comply with the requirements in UL 1310 or UL 62368-1.

**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.

**BSR/UL 62841-2-5 Standard for Safety for Electric Motor-Operated Hand-Held Tools, Transportable Tools And Lawn And Garden Machinery – Safety – Part 2-5: Particular Requirements for Hand-Held Circular Saws**

**1. Proposed revision to correct clause number**

## PROPOSAL

~~21.1.1.2~~ 21.18.1.2 *Replacement:*

**Standard:** UL/ULC 1370
**Standard Title:** Standard for Unvented Alcohol Fuel Burning Decorative Appliances

**Date of Proposal:** July 26, 2024
**Comments Due:** August 26, 2024

# SUMMARY OF TOPICS

**The following is being recirculated for your review:**

**1. Harmonization of UL 1370 with ULC-S674**

Need access to the full standard or a standard this proposal references? Click here to learn more about accessing UL and ULC Standards. TC Members can find the latest copy of the standard from the My TCs page in CSDS.

For your convenience in review, proposed additions to the previously proposed requirements dated 2024-02-09 are shown underlined and proposed deletions are shown ~~lined-out~~.

**1. Harmonization of UL 1370 with ULC-S674**

## RATIONALE

Responses to comments have been posted within the UL/ULC 1370 Ballot & Commenting Work Area dated 2024-02-09.

Note that the purpose of a recirculation of comments only is intended solely to provide TC members the opportunity to review the comments and responses, and to either reconsider their vote or cast a first-time vote. New comments on the previously proposed revision for this Topic will not be provided with a specific response. Any additionally desired changes should be submitted as a new proposal request via CSDS.

Below are changes as a result of comment resolution. Additionally, revised graphics for Figures 10.4, 10.5 and 10.6 will be included in the final draft with SI units and French translations.

## PROPOSAL

### INTRODUCTION

**1 Scope**
1.1 These requirements apply to factory-built unvented decorative appliances, that burn liquid or gelled alcohol-based fuels, and are intended to be fixed, non-moveable appliances, including only the following:

a) Floor-mounted appliances;
b) Wall-mounted appliances;
c) Free-standing appliances;
d) Fireplace grates installed in existing masonry fireplaces, and rated below 40,000 Btu/h (11.7 kW) output; and
e) Appliance combustion chambers installed into site-built enclosures.

~~NOTE 1: In Canada, the ethyl alcohol and isopropyl alcohol fuels for use with these products are to meet the Health Canada Consumer Chemicals and Containers Regulations.~~

~~NOTE 2: The Authority Having Jurisdiction (AHJ) may require that fuel containers used to refill these appliances be fitted with a device that conforms to the requirements of ASTM F3429/F3429M, Standard Specification for Performance of Flame Mitigation Devices Installed in Disposable and Pre-Filled Flammable Liquid Containers.~~

1.2 These appliances are intended to be decorative in nature and not intended to be utilized as a primary heat source. These appliances are limited to a maximum fuel input rate of 0.25 US gal/h (0.95 L/h).

**4 Referenced Publications**

4.1 The documents shown below are referenced in the requirements text of this standard. Any undated reference to a code or standard appearing in the requirements of this standard shall be interpreted as referring to the latest edition of that code or standard.

ASTM A463/A463M, Standard Specification for Steel Sheet, Aluminum-Coated, by the Hot-Dip Process

…

CAN/ULC-S114, Standard Method of Test for Determination of Non-combustibility in Building Materials

CAN/ULC 610, Standard for Factory-Built Fireplaces

CAN/ULC 627, Standard for Space Heaters for Use with Solid Fuels

**7.5 Fire Chamber, and Fuel Reservoir, or Combination Unit**

7.5.1 The fire chamber and fuel reservoir, or combination unit, shall comply with this section and Fuel confining parts, 7.2.

7.5.X Fuel containers used to refill these appliances shall be fitted with a flame mitigation device (FMD) that conforms to the requirements of:

a) In the U.S., the Portable Fuel Container Safety Act;

b) In Canada, the Health Canada Consumer Chemicals and Containers Regulations.

NOTE: The above regulations require conformance with the Standard Specification for Performance of Flame Mitigation Devices Installed in Disposable and Pre-Filled Flammable Liquid Containers, ASTM F3429/F3429M.

7.5.2 A fire chamber and fuel reservoir, or a combination unit, if furnished as a separate assembly, shall be arranged for attachment to the unvented decorative appliance in the intended position only and in a manner that will establish and maintain the intended position of the fire chamber and fuel reservoir, or combination unit, with respect to the appliance.

## 11 Temperature Test Installation

**11.1 General**

11.1.12 When an unvented decorative appliance is provided with air ducts, the appliance shall be tested with the ducts installed and with the specified air space provided above the fire chamber, refer to Test Installations section of UL 127 Standard for Safety for Factory-built Fireplaces or CAN/ULC 610 Standard for Factory-Built Fireplaces. This installation method, for example, "chase installation," shall be illustrated in the installation instructions.

**11.2.2 Free-standing appliances**

11.2.2.1 The test installation for free-standing appliances shall conform to the applicable requirements of the Performance – Test Installation section of UL 1482, Standard for Safety for Solid-Fuel Type Room Heaters, or UL 737, Standard for Safety for Fireplace Stoves, or ULC 627, Standard for Space Heaters for Use with Solid Fuels.

**11.3 Fireplace Grates**

11.3.1 The test installation for fireplace grates shall conform to the applicable requirements of the Performance – Optional Unvented Decorative Log Temperature Test section of UL 127, Standard for Safety for Factory-Built Fireplaces or the applicable test in CAN/ULC 610, Standard for Factory-Built Fireplaces.

**15. Temperature Tests**

15.7 For fireplace grates, the temperature rise of any part of the unvented decorative appliance assembly, shall conform to the applicable requirements of the Performance – Optional Unvented Decorative Log Temperature Test section of UL 127, Standard for Safety for Factory-Built Fireplaces or the applicable test in CAN/ULC 610, Standard for Factory-Built Fireplaces.

**MARKINGS**

Advisory Note: Markings required by this Standard may have to be provided in other languages to conform with the language requirements of the country or region where the product is to be used. In Canada, there are two official languages, English and French. Annex B provides translations in French of the English safety markings specified in this Standard.

**ANNEX B – Safety Marking Translations**
**(Normative for Canada and Informative for the US)**

This Annex includes the markings required to be translated and suggested French translations. For Canada, this Annex is a normative (mandatory) part of this Standard. For the US, this Annex is an informative (non-mandatory) part of the Standard.

**Table B1.1 – Safety Marking Translations**

Note: Technically equivalent wording is permitted.

| Reference | English | French |
|---|---|---|
| 21.1.5 | WARNING: This appliance has not been tested for use with glass doors. To reduce the risk of fire or injury, do not install glass doors. | AVERTISSEMENT : Cet appareil n'a pas été mis à l'essai en vue d'une utilisation avec des portes vitrées. Pour réduire le risque d'incendie ou de blessure, ne pas installer de portes vitrées. |
| 21.1.7 | Use __[a]__ fuel only.<br><br>[a] Specific liquid or gelled alcohol-based fuel utilized during the testing of the appliance | N'utiliser que du carburant __[a]__<br><br>[a] Carburant spécifique liquide ou gélifié à l'alcool utilisé durant la mise à l'essai de l'appareil |

| | | |
|---|---|---|
| 21.1.8 | Do not use an appliance insert or other products not specified for use with this product. | Ne pas utiliser de pièces rapportées ou d'autres produits dont l'utilisation n'est pas prévue avec ce produit. |
| 21.1.10 a) | WARNING: Risk of fire. A minimum of __a__ air space clearance to insulation and building materials must be maintained | AVERTISSEMENT : Risque d'incendie. Un minimum de __a__ espace d'air libre par rapport à l'isolation et aux matériaux de construction doit être maintenu; |
| 21.1.10 b) | Minimum Room size: ___b___ $ft^3$ (___c___ $m^3$) | Taille minimale de la pièce : __b__ $pi^3$ (__c__ $m^3$); |
| 21.1.10 c) | For installation and use only in a manufacturer approved enclosure | Pour installation et utilisation uniquement dans un boîtier approuvé par le fabricant. |
| 21.1.11<br>23.2.4 e) | WARNING: THIS APPLIANCE HAS NOT BEEN TESTED WITH AN UNVENTED GAS LOG SET. TO REDUCE RISK OF FIRE OR INJURY, DO NOT INSTALL AN UNVENTED GAS LOG SET INTO APPLIANCE | AVERTISSEMENT : CET APPAREIL N'A PAS ÉTÉ TESTÉ AVEC UN ENSEMBLE DE BÛCHES À GAZ NON VENTILÉ. POUR RÉDUIRE LES RISQUES D'INCENDIE OU DE BLESSURES, N'INSTALLEZ PAS DE BÛCHES À GAZ NON VENTILÉES DANS L'APPAREIL. |
| 21.1.12 | THIS APPLIANCE IS INTENDED TO BE INSTALLED IN A FIXED SECURED POSITION IN AN EXISTING MASONRY FIREPLACE, SEE INSTALLATION INSTRUCTIONS | CET APPAREIL EST DESTINÉ À ÊTRE INSTALLÉ DANS UNE POSITION FIXE SÉCURISÉE DANS UNE CHEMINÉE EN MAÇONNERIE EXISTANT, VOIR LES INSTRUCTIONS D'INSTALLATION |
| | | |
| 23.2.4 j) | WARNING: DO NOT PACK REQUIRED AIR SPACES WITH INSULATION OR OTHER MATERIALS | AVERTISSEMENT : NE PAS REMPLIR LES VIDES D'AIR D'ISOLANT OU D'AUTRES MATÉRIAUX. |
| 23.2.4 l) | WARNING: THIS APPLIANCE HAS NOT BEEN TESTED FOR USE WITH DOORS. TO REDUCE THE RISK OF FIRE OR INJURY, DO NOT INSTALL DOORS | AVERTISSEMENT : CET APPAREIL N'A PAS ÉTÉ MIS À L'ESSAI EN VUE D'UNE UTILISATION AVEC DES PORTES. POUR RÉDUIRE LE RISQUE D'INCENDIE OU DE BLESSURE, NE PAS INSTALLER DE PORTES. |
| 23.2.4 s) 1) | WARNING: Risk of Explosion:<br>i. Never use any fuel other than the fuels specifically identified for use in the unvented decorative appliance. Never use gasoline;<br>ii. Never refill unvented decorative appliance fuel reservoir when appliance is operating or still hot;<br>iii. Never use unvented decorative appliance in areas where flammable vapors or gas may be present; | AVERTISSEMENT : Risque d'explosion<br>i. Ne jamais utiliser de carburants autres que ceux prévus expressément pour l'appareil décoratif non raccordé. Ne jamais utiliser d'essence.<br>ii. Ne jamais remplir le réservoir de carburant de l'appareil décoratif non raccordé lorsque ce dernier est en fonctionnement ou est encore chaud.<br>iii. Ne jamais utiliser l'appareil décoratif non raccordé dans les endroits où peuvent se trouver des vapeurs ou des gaz inflammables. |

| | | |
|---|---|---|
| | iv. Never store or transport the fuel in other than a metal or plastic container that is:<br>A) Labeled by the manufacturer for use with the specific fuel; and<br>B) Non red in color; or<br>C) Is the original container for the (specific alcohol) Fuel; | iv. Ne jamais entreposer ou transporter le carburant dans un contenant autre qu'un contenant métallique ou un contenant en plastique :<br>A) Étiqueté par le fabricant pour une utilisation avec le carburant spécifique ; et<br>B) De couleur non rouge ; ou<br>C) Est-ce le contenant d'origine pour le carburant (alcool spécifique) ; |
| 23.2.4 s) 2) | Never store fuel in the same location as the appliance | Ne jamais entreposer le carburant au même endroit que l'appareil. |
| 23.2.4 s) 3) | Due to high surface temperatures, keep children, clothing, and furniture away | En raison des températures de surface élevées, éloigner les enfants, les vêtements et les meubles de l'appareil. |
| 23.2.4 s) 4) | Risk of Indoor Air Pollution - Use unvented decorative appliance only in well-ventilated areas. People with breathing problems should consult a physician before using the unvented decorative appliance | Risque de pollution à l'intérieur des locaux - Utiliser l'appareil décoratif non raccordé uniquement dans les endroits bien aérés. Les personnes souffrant de problèmes respiratoires devraient consulter un médecin avant d'utiliser un appareil décoratif non raccordé. |
| 23.2.4 s) 5) | Do not use unvented decorative appliance to heat or boil water or use as a cooking appliance | Ne pas utiliser l'appareil décoratif non raccordé pour faire chauffer ou bouillir de l'eau ou pour faire cuire des aliments. |
| 23.2.4 s) 6) | Do not use in a room with oxygen tanks in use | Ne pas utiliser l'appareil dans une pièce où des réservoirs d'oxygène sont utilisés. |
| 23.2.4 u) | CAUTION: Risk of burns. Do not operate the appliance without the guard or grille completely attached. | ATTENTION : Risque de brûlures Ne pas faire fonctionner l'appareil décoratif non raccordé sans que la cloison de protection, la grille ou l'écran soit correctement fixé. |
| A2.2<br>A2.3 | WARNING: TO AVOID THE RISK OF DAMAGING APPLIANCE MATERIALS AND INCREASING THE RISK OF SPREADING A FIRE, DO NOT USE THE APPLIANCE TO COOK OR WARM FOOD. | AVERTISSEMENT : POUR ÉVITER LE RISQUE D'ENDOMMAGER LES MATÉRIAUX DE L'APPAREIL ET D'AUGMENTER LE RISQUE DE PROPAGATION D'UN FEU, N'UTILISEZ PAS L'APPAREIL POUR CUISSON OU POUR RÉCHAUFFER DES ALIMENTS |