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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.

ADA (Organization) (American Dental Association)

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Revision

BSR/ADA Standard No. 101-2-202x, Dentistry – Endodontic Instruments: Enlargers (revision and redesignation of ANSI/ADA Standard No. 95-2020)
Stakeholders: Dentists, manufacturers, patients

Project Need: ANSI/ADA Standard No. 95:2020 is an identical adoption of ISO 3630-2:2013. The standard should be revised with an identical adoption of the most current version of ISO 3630-2 which the US TAG voted in favor of. The main changes are as follows:
— symbols have been redefined;
— the test method has been redefined;
— this document has been harmonized with other parts of the ISO 3630 series.

Interest Categories: Consumer, General Interest, Producer

This document specifies the requirements for enlargers not cited in other ANSI/ADA Standards. This document specifies the requirements for size, marking, product designation, safety considerations, and labelling and packaging, including the instructions for use.

ADA (Organization) (American Dental Association)

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Revision

BSR/ADA Standard No. 101-3-202x, Dentistry – Endodontic Instruments: Compactors (revision and redesignation of ANSI/ADA Standard No. 71-2022)
Stakeholders: Dentists, manufacturers, patients

Project Need: ANSI/ADA Standard No. 71:2022 is an identical adoption of ISO 3630-3:2021. A corrected version of 3630-3:2021 was issued afterwards which incorporates the following correction: in 5.3.4.1, “200 N” has been changed to “20 N” as follows: "The operative part shall not have any axial movement from the handle when a force of 20 N is applied." A revision of the ANSI/ADA standard is needed to implement this needed correction

Interest Categories: Consumer, General Interest, Producer

This document specifies the requirements and test methods for endodontic compactors (pluggers and spreaders) which are used for the compaction of endodontic filling materials, and also heat-carriers. This document specifies the requirements for size, marking, product designation, safety considerations, and their labelling and packaging.

ADA (Organization) (American Dental Association)

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Revision

BSR/ADA Standard No. 101-4-202x, Dentistry – Endodontic Instruments: Auxiliary (revision and redesignation of ANSI/ADA Standard No. 63-2020)
Stakeholders: Dentists, manufacturers, patients

Project Need: ANSI/ADA Standard No. 63:2020 is an identical adoption of ISO 3630-4:2009. The standard should be revised with an identical adoption of the most current version of ISO 3630-4 which the US TAG voted in favor of. The main changes are as follows:

— rasps requirements have been removed
— a cyclic fatigue test of paste carriers has been added;
— the term, cannula, has been added;
— the cannula symbol has changed;
— Annexes A and B have been added.

Interest Categories: Consumer, General Interest, Producer

This document specifies requirements and test methods for hand-held or mechanically operated auxiliary instruments for performing root canal procedures such as barbed broaches, paste carriers, explorers, cotton broaches and cannulae. This document specifies requirements for size, product designation, safety considerations, instructions and labelling.

ADA (Organization) (American Dental Association)

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Reaffirmation

BSR/ADA Standard No. 131 (R202x), Dentistry – Dental CAD/CAM Machinable Zirconia Blanks (reaffirmation of ANSI/ADA Standard No. 131-2015 (R2020))
Stakeholders: Consumers, Dentists, Manufacturers

Project Need: Periodic review

Interest Categories: Consumer, General Interest, Producer

This standard specifies the requirements and test methods for partially stabilized zirconia materials used for the fabrication of dental fixed restorations. Specific qualitative and quantitative requirements for freedom from biological hazard are not included in this standard, but it is recommended that, in assessing possible biological or toxicological hazards, reference be made to ANSI/ADA Standard No. 41, ISO 10993-1 and ISO 7405.

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Reaffirmation

BSR/ADA Standard No. 132 (R202x), Dentistry – Scanning Accuracy of Dental Chair Side and Laboratory CAD/CAM Systems (reaffirmation of ANSI/ADA Standard No. 132-2015)
Stakeholders: Consumers, Dentists, Manufacturers

Project Need: ANSI/ADA Standard No. 132:2015 for Scanning Accuracy of Dental Chairside and Laboratory CAD/CAM Systems is nearing its 10-year anniversary. Work is ongoing for a comparable standard at the ISO level instead of revising the ANSI/ADA Standard at this time. The ISO standard will be reviewed for national adoption when finalized.

Interest Categories: Consumer, General Interest, Producer

This standard describes test methods used to evaluate the repeatability, reproducibility, and accuracy of dental devices for 3D metrology. The standard is applicable to dental chairside and dental laboratory CAD/CAM systems. The scope of this document is not intended to include unique systems with other specific applications of 3D metrology in the dental field such as 3D computed tomography, magnetic resonance imaging and stereophotogrammetry.

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Reaffirmation

BSR/ADA Standard No. 139 (R202x), Dentistry – Dental Base Polymers (reaffirm a national adoption ANSI/ADA Standard No. 139-2020)
Stakeholders: Consumers, Dentists, Manufacturers

Project Need: Periodic review

Interest Categories: Consumer, General Interest, Producer

Part 1 of this standard classifies denture base polymers and copolymers and specifies their requirements. It also specifies the test methods to be used in determining compliance with these requirements. It further specifies requirements with respect to packaging and marking the products and to the instructions to be supplied for use of these materials. Furthermore, it applies to denture base polymers for which the manufacturer claims that the material has improved impact resistance. It also specifies the respective requirement and the test method to be used. Part 2 is applicable to orthodontic base polymers and copolymers used in the construction of both active and passive orthodontic appliances and specifies their requirements. It also specifies test methods to be used in determining compliance with these requirements. It further specifies requirements with respect to packaging and marking the products and to the instructions to be supplied for use of these materials.

ADA (Organization) (American Dental Association)

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National Adoption

BSR/ADA Standard No. 144-202x, Dentistry – Precapsulated Dental Amalgam (identical national adoption of ISO 20749:2023 and revision of ANSI/ADA 144-2018)
Stakeholders: Consumers, Dentists, Manufacturers

Project Need: ISO 20749-2023 and existing ADA Standard 144 are essentially identical except ISO 20749-2023 contains an additional requirement for corrosion testing and expanding instruction on the format of results reporting. The US TAG voted to approve ISO 20749-2023.

Interest Categories: Consumer, General Interest, Producer

This document specifies the requirements and test methods for dental amalgam products supplied to the user in capsules, pre-dosed with dental amalgam alloy powder and dental mercury in quantities suitable for the creation of a single dental restoration. This document specifies the requirements and test methods for the capsule and the requirements for packaging and marking. This document is not applicable to other metallic materials in which an alloy powder reacts with an alloy that is liquid at ambient temperature to produce a solid metallic material intended for dental restoration. This document is restricted to dental amalgam products marketed in pre-capsulated form, alone. Other products intended for use in the production of dental amalgam restorations (dental amalgam alloy as a free-flowing powder supplied in bulk masses, dental amalgam alloy powder supplied as compressed tablets and dental mercury sachets) are described in ISO 24234

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Reaffirmation

BSR/ADA Standard No. 160 (R202x), Dentistry – Soft Lining Materials for Removable Dentures – Part 2: Materials for Long-Term Use (reaffirm a national adoption ANSI/ADA Standard No. 160-2020)
Stakeholders: Consumers, Dentists, Manufacturers

Project Need: Periodic review

Interest Categories: Consumer, General Interest, Producer

ANSI/ADA Standard No. 160 specifies requirements for softness, adhesion, water sorption, and water solubility, as well as for packaging, marking, and manufacturer's instructions for soft denture lining materials suitable for long-term use. These materials may also be used for maxillofacial prostheses.

ADA (Organization) (American Dental Association)

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Reaffirmation

BSR/ADA Standard No. 182 (R202x), Dentistry – Bonding Test Between Polymer Teeth and Denture Base Materials (reaffirm a national adoption ANSI/ADA Standard No. 182-2021)
Stakeholders: Consumers, Dentists, Manufacturers

Project Need: Periodic review

Interest Categories: Consumer, General Interest, Producer

This document specifies a test method for bonding of polymer teeth to denture base materials. This test method is not designed to prove the properties of polymer teeth and denture base materials.

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National Adoption

BSR/ADA Standard No. 221-202x, Dentistry - Chairside denture base relining materials - Part 1: Hard-type materials (identical national adoption of ISO 23401-1:2023)
Stakeholders: Dentists, consumers, manufacturers

Project Need: Adopt ISO as national standard US TAG voted to approve for one global standard.

Interest Categories: Consumer, General Interest, Producer

This document specifies the requirements for acrylic hard-type materials used as chairside denture base relining materials and the test methods to determine compliance with these requirements. This document also specifies requirements for packaging and marking the products and for the instructions for use to be supplied by the manufacturer. Dentures which are relined by chairside denture base relining materials specified by this document are limited to those of acrylic. This document is not applicable to either denture base relining materials that are for laboratory use or soft lining materials.

ADA (Organization) (American Dental Association)

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Revision

BSR/ADA Standard No. 54-202x, Dentistry – Double-Pointed, Parenteral, Single-Use Needles (revision of ANSI/ADA 54 -1986 (R2024))
Stakeholders: Dentists, manufacturers, patients

Project Need: Updated language to moderately update the existing standard with the idea that the standard will continue to be reviewed and updated over time to reflect new technology and advances in science and medicine.

Interest Categories: Consumer, General Interest, Producer

This standard covers sterile, single-use, individually packaged, double-pointed needles with a means of secure attachment to cartridge-type syringes used for dental/oral care, regional, anesthetic injections.

ADA (Organization) (American Dental Association)

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National Adoption

BSR/ADA Standard No. 69-202x, Dentistry – Ceramic Materials (identical national adoption of ISO 6872:2024 and revision of ANSI/ADA Standard No. 69-2020)
Stakeholders: Dentists, manufacturers, consumers

Project Need: ISO 6872:2024 cancels and replaces the fourth edition (ISO 6872:2015), which has been technically revised. It also incorporates the Amendment, ISO 6872:2015/Amd 1:2018. The main changes are the addition of Annex C on protocol to assess the hydrothermal stability of yttria-stabilized tetragonal zirconia (Y-TZP). ANSI/ADA 69:2020 is an adoption of the 2015 ISO including the 2018 amendment. Updating the ADA standard keeps us up to date with international needs for U.S. manufacturers. Consensus Body 2 voted in favor of ISO FDIS 6872.

Interest Categories: Consumer, General Interest, Producer

This document specifies the requirements, recommendations, and the corresponding test methods for dental ceramic materials for fixed all-ceramic and metal-ceramic restorations and prostheses.

ADA (Organization) (American Dental Association)

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Reaffirmation

BSR/ADA Standard No. 75 (R202x), Dentistry – Soft Lining Materials for Removable Dentures - Part 1: Materials for Short-term Use (reaffirm a national adoption ANSI/ADA Standard No. 75-2020)
Stakeholders: Consumers, Dentists, Manufacturers

Project Need: Periodic review

Interest Categories: Consumer, General Interest, Producer

This document specifies requirements for the physical properties, test methods, packaging, marking and manufacturer's instructions for soft denture lining materials suitable for short-term use, including functional impression taking using existing removable prosthesis.

AGMA (American Gear Manufacturers Association)

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Revision

BSR/AGMA 2104-Dxx, Gear Materials, Heat Treatment and Processing Manual (revision of ANSI/AGMA 2004-C08 (R2020))
Stakeholders: Users and manufacturers of gearing

Project Need: Update the standard to reflect the current state of the art.

Interest Categories: Manufacturers and users of gearings as well as general interested parties such as academia and consultants

This standard provides information pertaining to ferrous and nonferrous materials used in gearing. Factors in material selection, including material forms, properties, and associated processing and heat treatments are discussed. Manufacturing procedures to prepare materials for machining and final heat treatment are included. Heat treating procedures used for gearing are covered in detail, including process descriptions, product specifications, process controls, and characteristics of heat treated gearing. Post-heat treatment processes to meet gearing requirements are discussed. Product inspection methods and documentation are covered. Term definitions, test methods, distortion and residual stress, sources for additional information, and a bibliography are included.

AIA (Aerospace Industries Association)

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New Standard

BSR/AIA NAS9945-202x, Airworthiness Engineering Training and Education (new standard)
Stakeholders: Those involved in airworthiness education and training.

Project Need: This standard is used by industry, government, and academia to develop airworthiness training and education, essential for building a talent pipeline in aircraft certification.

Interest Categories: Producer: Those who produce airworthiness education and training.(e.g., universities)
User: Those who use the services of airworthiness education and training. (e.g., industry)
General Interest: Those interested in airworthiness training and education (e.g., AIAA Higher Education Committee)
Government: Those serving in federal, state, or local government. (e.g., US armed services)

NAS9945 is intended to support United States (US) aviation and aerospace education programs, colleges and universities, and design, manufacturing and/or maintenance organizations in developing and implementing airworthiness training for engineering students, engineers and Airworthiness Professionals (Airworthiness Engineers and Specialists) involved with the certification and/or continuing airworthiness of aircraft. This standard identifies guidelines, expectations, and curricula for these entities (and/or similar entities) to provide high-quality training and education with the goal of enhancing aviation safety, increasing effectiveness of certification processes, and improving operational performance of organizations involved with certification of and/or continuing airworthiness of aircraft.

ASA (ASC S12) (Acoustical Society of America)

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New Standard

BSR S12.84/Part 1-202x, Method to Measure Firearm Suppressor Noise Reduction: Part 1, Using a Single-shot Host Firearm (new standard)

Stakeholders: The American Suppressor Association has maybe 20 to 50 member companies that manufacture firearm suppressors. They recognize the need for standardized measurements. They also understand that the various manufacturers have described the performance differently. This standard will provide a noise reduction value that can be subtracted directly from the unsuppressed signal level. The measurement system and software can be a fairly simple arrangement of three sensors: the barrel pressure sensor, a 1/4"microphone and a 1/2" microphone to capture the levels at a position 2 meters from the muzzle and 45 degrees behind the plane of the muzzle and at the same height as the muzzle. The analysis software is already developed and the measurement system has been developed for a National Instruments hardware and MATLAB control of the DAQ toolbox.

Project Need: There are currently no consensus standards that are "open source" that describe measurement methods and analyses which can be applied to assessing the noise reduction of a firearm suppressor. Manufacturers currently use the MIL-STD 1474D with ill-defined measurement methods. One company, PEW Science, published suppressor ratings that are based on a combination of acoustic measurements and a secret analysis based on using the Auditory Hazard Assessment Algorithm for Humans (AHAAH) model. Manufacturers have based their performance on the change in peak level or perhaps just the peak level of the suppressed impulse. The peak levels are a poor approach to characterizing the suppressor performance. First, the peak of the unsuppressed wave doesn't relate to any currently used damage risk criteria. Second, the peak of the suppressed waveform is poorly defined because the morphology of the suppressed waveform is very different from the unsuppressed impulse.

Interest Categories: General Interest Trade Government User Producer

This standard specifies a method for the measurement of the noise reduction of the firearm impulse provided by a firearm suppressor, as measured in outdoor or suitable indoor environments. Results from this method can be used to compare attenuation within and across suppressor models. Firearm suppressor noise reduction (FSNR) is defined as the reduction in the maximum accumulated A-weighted sound energy associated with the firearm impulse. This standard applies only to removable firearm suppressors. Methods are specified to accommodate outdoor or suitable indoor test environments where wall and ceiling reflections are delayed sufficiently. This standard was designed to minimize the influence of non-blast wave noise sources such as the ballistic wave, noise associated advancing/ejecting ammunition into/from the chamber or indirect noise sources from reflective surfaces. This standard establishes the required instrumentation and equipment, calibration procedures, test equipment, test environment, methods for measuring the acoustic noise reduction, and calculating and reporting FSNR.

CSA (CSA America Standards Inc.)

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Revision

BSR/CSA CHMC 1-202x, Test methods for evaluating material compatibility in hydrogen applications - Metals (revision of ANSI/CSA CHMC 1-2014 (R2023))

Stakeholders: Regulators, consumers, users, manufacturers

Project Need: To update the current standard due to user experience/feedback/new technology (new edition).

Interest Categories: Regulators, consumers, users, manufacturers

This standard provides uniform test methods for evaluating material compatibility with hydrogen applications. The results of these tests are intended to provide a basic comparison of materials performance in applications utilizing hydrogen. This standard is not intended to replace sound engineering judgment; additional testing considerations may be necessary to fully qualify the design of a component manufactured for use in certain hydrogen applications. This standard applies to metallic materials only.

DirectTrust™ (DirectTrust.org, Inc.)

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Revision

BSR/DS2019-01-200-202x, XDR and XDM for Direct Secure Messaging Specification (revision of ANSI/DS2019-01-200 -2025)
Stakeholders: (a) Providers of Direct exchange services; (b) Users of Direct exchange services; (c) Healthcare providers or provider organizations; (d) Governmental agencies; (e) Non-profit organizations; (f) Patient or consumer advocates; (g) General interest

Project Need: Enhancements and revisions to requirements and recommendations in the specification are needed based on input received from stakeholders who are and have implemented The XDR and XDM for Direct Secure Messaging Specification or are in the process of implementing this specification.

Interest Categories: Consumer Sector, General Interest and Advocacy Sector, Government Sector, Healthcare Sector, Interoperability and System Integration Sector, Information Technology Sector, Payer Sector, and Socialcare Sector

The XDR and XDM for Direct Secure Messaging Specification was created to provide the necessary requirements for using the IHE XD Metadata in the context of the Direct Standard (ANSI/DS 2019-01-100-2021). It builds upon existing specifications, such as the Cross-Enterprise Document Media Exchange (XDM) which provides Direct Protocol compatible healthcare specific metadata exchange, and the Cross-Enterprise Document Reliable Interchange (XDR) which is used in SOAP-based Web Services healthcare exchange networks. The XDR and XDM for Direct Secure Messaging Specification specifies not only a guidance for the use of these specifications but adds requirements and constraints to reduce interoperability "friction" among healthcare organizations with different technological bases.

ISA (Organization) (International Society of Automation)

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New Standard

BSR/ISA 113.00.01-202x, Distributed Workflow System Integration (new standard)
Stakeholders: The ontology model uses terminology that is not "batch" specific and supports orchestrated workflows which are applicable to industrial, administrative, operational, automated, semiautomated, and manual processes.

Project Need: Workflows are critical to industrial systems. Examples include manual standard operating procedures (SOPs), automated workflows in MES/MOM systems, recipes in batch systems, maintenance procedures, laboratory procedures, receiving procedures, shipping procedures, etc. Often systems that support the workflows, either manual or automated, are standalone and not interoperable across different vendor systems. For example, almost all MES-to-batch cross-vendor integration projects are custom and involve significant time and effort. There is currently no standard way for a workflow defined in one system to initiate, control, or otherwise manage a workflow in a different vendor's system. There is no standard way for a workflow system to interrogate a different vendor's system to determine what actions can be controlled from a workflow, or how to control the actions. These needs are addressed by this specification to define an ontology-based model for distributed workflow integration. The developed models will allow for exchange of workflow specifications, in part or in full, and communication of triggers and information between independent workflow environments.

Interest Categories: Producer, user, architect-engineer, testing-certification-approval, regulatory-government, general

The scope of work is to develop a specification that defines abstract information exchange models, based on an ontology, for the integration of procedural workflows across multiple vendor systems which are extensions of, and consistent with, the workflow specification models described in ISA-95.00.04 and the recipe procedure model defined in ISA-88.00.01. The specification will support the concept of distributed workflows that are coordinated across multiple development and execution environments. It will support distributed workflows that could be executed in either physical devices, virtual devices, or by humans. The models will keep the use cases of recipe/equipment separation, as defined in ISA-88, distributed choreographed workflows as defined in ISA-95, support for mobile and personal devices, and temporary network disconnected devices.

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

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New Standard

INCITS 590-202x, Information technology - ATA Command Set - 7 (ACS-7) (new standard)
Stakeholders: ICT Industry

Project Need: The proposed project involves a compatible evolution of the present ATA Command Set - 6 (ACS-6).

Interest Categories: Producer-Hardware, Producer-Software, Producer-General, Distributor, Service Provider, User, Consultants, Government, SDO and Consortia, Academic Institution, General Interest

ACS-7 is the next generation of the ATA Command Set standards. It follows ATA8-ACS, ACS-2, ACS-3, and ACS-4, ACS -5, and ACS-6. ACS-7 would: document the command set implemented by devices that support the ATA architecture; address new features that were not sufficiently developed for ACS-6; address any other proposals or modifications to the command set suggested or proposed by a T13 committee member; and other capabilities that may fit within the scope of this project.

NALFA (North American Laminate Flooring Association)

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Revision

BSR/NALFA LF-01-202x, Laminate Flooring Specifications and Test Methods (revision of ANSI/NALFA LF-01-2019)
Stakeholders: Producers (manufacturers of laminate flooring), suppliers (manufacturers of related products such as underlayment and mouldings), distributors, test labs, users (consumers), government

Project Need: To update, seek additional international harmonization and expand the current standard.

Interest Categories: Producers (manufacturers of laminate flooring), suppliers (manufacturers of related products such as underlayment and mouldings), distributors, test labs, users (consumers), government, and general interest

The product standard shall apply to the performance of residential, commercial and industrial use of laminate flooring. The standard will be useful in guiding manufacturers and educating suppliers, distributors, retailers, and consumers about performance requirements of laminate flooring in residential, commercial and industrial use settings.

NALFA (North American Laminate Flooring Association)

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Revision

BSR/NALFA LF-03-202x, Laminate Floor Underlayment - Specifications and Test Methods (revision of ANSI/NALFA LF -03-2019)
Stakeholders: Producers (manufacturers of underlayment), suppliers (manufacturers of related products such as laminate flooring and mouldings), distributors, test labs, users (consumers), government

Project Need: To update and expand the current standard.

Interest Categories: Producers (manufacturers of underlayment), suppliers (manufacturers of related products such as laminate flooring and mouldings), distributors, test labs, users (consumers), government, and general interest

The product standard shall apply to the performance of underlayment used in conjunction with laminate flooring. The standard will be useful in guiding manufacturers and educating suppliers, distributors, retailers and consumers about performance requirements of underlayment used in conjunction with laminate flooring in residential, commercial and industrial use settings.

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New Standard

BSR/NALFA LF-04-202x, Laminate Flooring Mouldings Specifications and Test Methods (new standard)
Stakeholders: Producers (manufacturers of laminate flooring mouldings), suppliers (manufacturers of related products such as underlayment and laminate flooring), distributors, test labs, users (consumers), government

Project Need: To guide manufacturers and educate suppliers, distributors, retailers and consumers about performance requirements of laminate flooring mouldings in anticipated use settings.

Interest Categories: Producers (manufacturers of laminate flooring mouldings), suppliers (manufacturers of related products such as underlayment and laminate flooring), distributors, test labs, users (consumers), government, and general interest

The product standard shall apply to the performance use of laminate flooring mouldings. The standard will be useful in guiding manufacturers and educating suppliers, distributors, retailers and consumers about performance requirements of laminate flooring mouldings in anticipated use settings.

NEMA (ASC C82) (National Electrical Manufacturers Association)

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Revision

BSR C82.77-6-202X, Standard for Lighting Equipment - Temporal Light Artifacts (revision of ANSI C82.77-6-2023)
Stakeholders: LED Driver, Ballast, Lamps, and Luminaire manufacturers, government entities, laboratories, and consultants

Project Need: This project is needed to update the metrics and recommendations to account for other SDO publications.

Interest Categories: Producers, Users, General Interest

The purpose of this standard is to recommend a method of quantifying the visibility of temporal light artifacts (TLA) and consider application-dependent limits on TLA. The recommendations and measurement methods are applicable to any lighting equipment (e.g., luminaires, light engines, self-ballasted lamps, drivers, and sensors) with any control system. Specific recommendations and measurement methods for phase-cut control dimmers are included. This standard applies to visibility of TLA to human observers in applications with limited speeds of motion, such as an office environment. It does not address interference with optical equipment such as cameras and bar-code scanners. It does not address the potential for adverse stroboscopic effect in high-speed environments, such as machine shops. This standard addresses at least two effects: direct flicker (observable at frequencies below about 80 Hz), and stroboscopic effect (observable at frequencies up to about 2 kHz, and even higher if modulation depth is large and high-speed motion is present). The metrics to be used for evaluation of TLA, for a light source, include: a. Quantify direct flicker (frequencies below 80 Hz) b. Quantify stroboscopic effect (typically frequencies between 80 and 2000 Hz)

SERI (Sustainable Electronics Recycling International)

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Revision

BSR/SERI R2v3.2-202x, The Sustainable Electronics Reuse and Recycling (R2) Standard - Version 3.2 (revision of ANSI/SERI R2v3 (3.1)-2024)

Stakeholders: Stakeholders impacted the R2 Standard include facilities processing used electronics, customers of facilities processing used electronics including Original Electronic Manufacturers, trade organizations, industry groups relevant to the electronics value chain, certification bodies who are accredited to issue certification to the R2 Standard, regulators overseeing the management of waste electronics and electrical equipment and extended producer responsibility programs for electronics and electrical equipment.

Project Need: It has been almost five-years since the last revision to the entire standard, and technology has evolved, especially in the area of connectivity and Internet of Things devices and batteries being embedded in many electronics. In order to be relevant with tech changes, global regulations, data security, and environmental sound management of these devices, R2 should be revised to meet the needs of today and predict the trends and trajectory of the industry going forward.

Interest Categories: - Customers: This interest category includes the customers of the services provided by R2 certified electronics and electrical equipment recyclers and refurbishers.
- Entities Covered by the Standard: This interest category includes any organization that can be certified to the R2 Standard.
- Regulatory/Public Interest/Other Stakeholders: This interest category includes entities of international, national, state, or local governments; and any other individual or organization that has an interest in, is materially affected by, or has special expertise regarding electronics and electrical equipment reuse and recycling and the R2 Standard and does not fall under one of the other two interest groups.

The R2 Standard covers the reuse and recycling of used electronic equipment, including data security, worker health and safety, and the environmentally sound management of the material. The R2 Standard is adaptable for various business needs throughout the industry. R2 Facilities performing testing and refurbishment of mobile devices can be certified to the Appendices applicable to the scope of their business. R2 is distinguishable from other standards on used electronics due to the Appendix system, and specific scope that is required for R2 Certified Facilities.

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: May 4, 2025

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

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

Addenda

BSR/ASHRAE Addendum 62.2w-202x, Ventilation and Acceptable Indoor Air Quality in Residential Buildings (addenda to ANSI/ASHRAE Standard 62.2-2022)
This proposed addendum updates the references in the standard.
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 a to ANSI/ASHRAE Standard 15.2-2024, Safety Standard for Refrigeration Systems in Residential Applications (addenda to ANSI/ASHRAE Standard 15.2-2022)
This proposed addendum is modifying Section 8 by eliminating one of the options for field applied joints,. 8.2.5.1.c. The committee determined that Option c did not have the requirements for compliance delineated, and the committee wanted all field joints to be either brazed or to be a mechanical joint in compliance with UL 207 This ISC modifies option b to add ISO 14903 as alternate standard for listing joints and adds ISO 14903 the normative references.
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: May 4, 2025

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

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

Addenda

BSR/ASHRAE Addendum a to ANSI/ASHRAE Standard 185.1-2020, Method of Testing UV-C Lights for Use in Air-Handling Units or Air Ducts to Inactivate Airborne Microorganisms (addenda to ANSI/ASHRAE Standard 185.1 -2020)

This addendum adds an optional MS2 test for UV-C systems so Standard 185.1 results can be used directly under the requirements of Standard 241.

Click here to view these changes in full

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

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

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

Addenda

BSR/ASHRAE Addendum b to ANSI/ASHRAE Standard 15.2-2024, Safety Standard for Refrigeration Systems in Residential Applications (addenda to ANSI/ASHRAE Standard 15.2-2022)

This addendum proposes modifications to require a leak detection system to be part of a refrigeration system installed in a room where open flame appliances are present. This is needed because currently ASHRAE 15.2 only addresses open flames in the ducts of flammable refrigerating systems per clause 5.4. It does not address the potential hazard of other appliances with open flames within a space where a flammable refrigerant may be present.

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 c to ANSI/ASHRAE Standard 15.2-2024, Safety Standard for Refrigeration Systems in Residential Applications (addenda to ANSI/ASHRAE Standard 15.2-2022)

Addendum c was developed to address requirements for installation of refrigeration systems used in combined air- and water-conditioning applications.

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: May 4, 2025

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 d to ANSI/ASHRAE Standard 15-2024, Safety Standard for Refrigeration Systems (addenda to ANSI/ASHRAE Standard 15-2022)
This proposed addendum addresses changes of refrigerant to existing refrigeration systems, whether for changes within the same refrigerant safety group or to a different refrigerant safety group. The modifications apply to Sections 5.3, 7.6.2, 7.7.3, Informative Appendix A, and a new Informative Appendix H that provides guidelines for retrofit of certain types of refrigeration systems.
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 e to ANSI/ASHRAE Standard 15.2-2024, Safety Standard for Refrigeration Systems in Residential Applications (addenda to ANSI/ASHRAE Standard 15.2-2022)
Addendum e was developed to clarify the requirements for dispersal height determination in multi-story applications or spaces with different levels.
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 f to ANSI/ASHRAE Standard 15.2-2024, Safety Standard for Refrigeration Systems in Residential Applications (addenda to ANSI/ASHRAE Standard 15.2-2022)
This proposed Addendum revises ANSI/ASHRAE Standard 15.2-2024 to clarify requirements for application of joints for copper linesets, and expands welded joints to copper tube. ANSI/ASHRAE Standard 15 lists copper lineset as acceptable piping material in Table 9-8, but does not list any acceptable joining methods for copper linesets in Table 9-11. The advancement of and use of orbital arc welding equipment makes welding acceptable for copper tube.
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: May 4, 2025

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 15-2024, Safety Standard for Refrigeration Systems (addenda to ANSI/ASHRAE Standard 15-2022)
ASHRAE Standard 15-2024 limits access to machinery rooms to "authorized personnel"; however, there are no specific normative requirements or guidance around what constitutes authorized personnel nor restrictions for others who may need to access the machinery room space. The proposed revisions add a definition for "authorized personnel", access limitations to machinery rooms and additional guidance intended to provide further information on the "authorized personnel" requirements of Section 8.9.4.
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

RESNET (Residential Energy Services Network, Inc.)

P.O. Box 4561, Oceanside, CA 92052 | rick.dixon@resnet.us, www.resnet.us.com

Revision

BSR/RESNET/ICC 301-2025-202x, Standard for the Calculation and Labeling of the Energy Performance of Dwelling and Sleeping Units using an Energy Rating Index (revision of ANSI/RESNET/ICC 301-2022)
The project is the triennial update to Standard ANSI/RESNET/ICC 301
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: RESNET using the online form for the draft at https://www.resnet.us/about/standards/standards-currently-out-for-public-comment/, under link "ANSI Standards Amendments Out For Public Comment"

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 50E-202x, Standard for Enclosures for Electrical Equipment - Environmental Considerations (revision of ANSI/UL 50E-2024)
This project intends to request to change Clause 7.2.1.1 and definition; request to change Clause 7.2.1.1 and definition; request to change Clause 7.2.3.1; add Ancillary Rating XH and Corrosion-Resistant Hose Down; and factor in Factory-Applied Sealing Compounds.
Click here to view these changes in full
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: May 4, 2025

ULSE (UL Standards & Engagement)

1603 Orrington Ave., Suite 2000, Evanston, IL 60201 | anna.roessing-zewe@ul.org, https://ulse.org/

Revision

BSR/UL 2079-202x, Standard for Tests for Fire Resistance of Building Joint Systems (revision of ANSI/UL 2079 -2024)
1.1 These tests are applicable to joint systems of various materials and construction that are intended for use in linear openings between adjacent fire resistive structures.
1.2 The fire endurance ratings for joint systems are intended to register performance during the period of fire exposure and are not intended to be interpreted as having determined the acceptability of the joint systems for use before or after fire exposure. The intent of these methods is to develop data to assist others in determining the suitability of the joint systems where fire resistance is required.
1.3 These requirements are intended to evaluate the length of time that the types of joint systems specified in 1.1 will contain a fire during a predetermined test exposure. The test evaluates the joint system's resistance to heat and, in some instances, to a hose stream, while carrying an applied load if the assembly is load bearing. The method of testing also includes optional air leakage tests to determine the rate of air leakage through joint systems resulting from a specified air pressure difference applied across the surface of the joint systems.
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

Comment Deadline: May 19, 2025

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 198-202x, Standard for the Technical Review of Bloodstain Pattern Analysis Reporting (new standard)
This document provides the requirements for reviewing reports which contain results, interpretations, or opinions of bloodstain pattern analysts.
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: https://url.us.m.mimecastprotect.com/s/7c2nCERvyRC3JOMUwh6U7GBO_?domain=aafs.org.
Send comments (copy psa@ansi.org) to: asb@aafs.org

AAFS (American Academy of Forensic Sciences)

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

Revision

BSR/ASB Std 030-202x, Standard for a Quality Assurance Program in Bloodstain Pattern Analysis (revision of ANSI/ASB Std 030-2019)
This document provides requirements for establishing and maintaining a documented quality assurance program in bloodstain pattern analysis and is intended to ensure the quality of the work product that comes from forensic service providers.
Single copy price: Free
Obtain an electronic copy from: Document and comments template can be viewed on the AAFS Standards Board website at: https://url.us.m.mimecastprotect.com/s/v3qsCgJKyJUoXnHohWU4XMvT?domain=aafs.org
Send comments (copy psa@ansi.org) to: asb@aafs.org

Comment Deadline: May 19, 2025

ABMA (ASC B3) (American Bearing Manufacturers Association)

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

National Adoption

BSR ABMA ISO 10285/Amd 1-202x, Rolling bearings - Sleeve type linear ball bearings - Boundary dimensions and tolerances - Amendment 1 (identical national adoption of ISO 10285:2007/Amd 1:2012)
ISO 10285:2007 specifies the boundary dimensions, tolerances, and definitions for sleeve-type linear motion ball bearings. Amendment 1 to the standard replaces Table A.1 of the standard.
Single copy price: $Draft available free of charge.00
Obtain an electronic copy from: olson@americanbearings.org
Send comments (copy psa@ansi.org) to: Phillip Olson <olson@americanbearings.org>

ABMA (ASC B3) (American Bearing Manufacturers Association)

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

National Adoption

BSR ABMA ISO 199-202x, Rolling bearings - Thrust bearings - Geometrical product specifications (GPS) and tolerance values (identical national adoption of ISO 199:2023 and revision of ANSI/ABMA/ISO 199-2014)
This document specifies dimensional characteristics, deviation limits from nominal values, and tolerance values to define the interface (except chamfers) of thrust rolling bearings. Nominal boundary dimensions are defined in ISO 104. This document is not applicable to certain thrust bearings (e.g., thrust needle roller bearings) or for particular fields of application (e.g., special thrust precision bearings). Tolerances for such bearings are given in the relevant International Standards. Chamfer dimension limits are given in ISO 582.
Single copy price: $124.00
Obtain an electronic copy from: olson@americanbearings.org
Send comments (copy psa@ansi.org) to: Phillip Olson <olson@americanbearings.org>

ABMA (ASC B3) (American Bearing Manufacturers Association)

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

National Adoption

BSR ABMA ISO 3096-202x, Rolling bearings - Needle rollers - Boundary dimensions, geometrical product specifications (GPS) and tolerance values (identical national adoption of ISO 3096:2018 and revision of ANSI/ABMA/ISO 3096:2014)
This document specifies dimensional and geometrical characteristics, nominal boundary dimensions, and tolerance values for finished steel needle rollers used as rolling elements.
Single copy price: $81.00
Obtain an electronic copy from: olson@americanbearings.org
Send comments (copy psa@ansi.org) to: Phillip Olson <olson@americanbearings.org>

Comment Deadline: May 19, 2025

ABMA (ASC B3) (American Bearing Manufacturers Association)

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

National Adoption

BSR ABMA ISO 5593-202x, Rolling bearings - Vocabulary (identical national adoption of ISO 5593:2023 and revision of ANSI/ABMA/ISO 5593-1997 (S2013))
This document provides a list of terms and associated descriptions that are commonly applied in the field of rolling bearings and their technology. The document contains a list of terms which have found general acceptance and a common usage.
Single copy price: $54.00
Obtain an electronic copy from: olson@americanbearings.org
Send comments (copy psa@ansi.org) to: Phillip Olson <olson@americanbearings.org>

ABYC (American Boat and Yacht Council)

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

Revision

BSR/ABYC E-2-202x, Cathodic Protection (revision of ANSI/ABYC E-2-2019)
This standard addresses the design, installation, and use of cathodic protection systems on boats with sacrificial anodes or impressed currents.
Single copy price: $50.00
Obtain an electronic copy from: abycinc.org
Send comments (copy psa@ansi.org) to: comments@abycinc.org

ABYC (American Boat and Yacht Council)

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

Revision

BSR/ABYC E-13-202x, Lithium Ion Batteries (revision of ANSI/ABYC E-13-2022)
This standard addresses selection and installation of lithium ion batteries on boats, lithium ion battery system design (e.g., house battery bank, cranking, propulsion), and manufacturer safety information. This standard applies to installed boat battery systems over 500 watt-hours (Wh).
Single copy price: $50.00
Obtain an electronic copy from: abycinc.org
Send comments (copy psa@ansi.org) to: comments@abycinc.org

ASC X9 (Accredited Standards Committee X9, Incorporated)

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

New Standard

BSR X9.144-202x, Legal Record Requests (new standard)
In today's environment, subpoenas are served in multiple formats by federal, state, and local government agencies and law firms. These documents are served via mail, email, fax, or physically served to the bank. When the bank receives the orders the process for responding and fulfilling the order is highly manual, time consuming, and prone to errors, and there are limited areas where automation is applied. In most cases, the basic types of information required for processing are the same across the different request types. By creating a set of standards for electronic file formats for the different request types, benefits will be realized by both the subpoena requester and responder through automation.
Single copy price: Free
Obtain an electronic copy from: ambria.calloway@x9.org
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: May 19, 2025

ASC X9 (Accredited Standards Committee X9, Incorporated)

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

New Standard

BSR X9.147-202x, Account Verification Requests Exchange (new standard)
In today's environment audit confirmations (customer-authorized requests for account data for use in a customer-sponsored independent audit), deposit verifications, and account verifications are highly manual and are delivered in multiple formats by through many different channels (direct, third party vendor, etc.).Developing a data exchange that could map directly to a financial institution's deposit system has the potential to almost fully automate this activity and provide expedited service to the end customer, and the services the products and services they are attempting to acquire through these verifications. This could also dramatically decrease the impact to the financial institution during audit peak season.
Single copy price: Free
Obtain an electronic copy from: ambria.calloway@x9.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 | mweber@ashrae.org, www.ashrae.org

Addenda

BSR/ASHRAE Addendum 62.2c-202x, Ventilation and Acceptable Indoor Air Quality in Residential Buildings (addenda to ANSI/ASHRAE Standard 62.2-2022)
The bulk of the proposed addendum is for the new IAQ Procedure (Normative Appendix D). This procedure is an alternative compliance method to Section 4, the Ventilation Rate Procedure (VRP), and thus is only for those who wish to take it. With low contaminant levels, for example, the IAQP would allow the dwelling to be operated at lower ventilation rates than the VRP. The section could also be used for those wishing to improve IAQ when sources were unusually high. Compliance with the IAQP may include contaminant measurements either for real-time or commissioning purposes. Compliance with the IAQP may include air cleaning to reduce some contaminants.
Single copy price: $35.00
Obtain an electronic copy from: Free download at https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts
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.)

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Addenda

BSR/ASHRAE Addendum d to Standard 205-2023-202x, Representation of Performance Data for HVAC&R and Other Facility Equipment (addenda to ANSI/ASHRAE Standard 205-2023)
This addendum generalizes the RS0001 representation specification to cover liquid-cooled, air-cooled, and evaporatively cooled chillers. The representation specification title is changed from "Liquid-Cooled Chiller" to "Chiller" to reflect this broader scope. The addendum makes editorial changes to the previous public review draft.
Single copy price: $35.00
Obtain an electronic copy from: http://www.ashrae.org/standards-research--technology/public-review-drafts
Send comments (copy psa@ansi.org) to: http://www.ashrae.org/standards-research--technology/public-review-drafts

Comment Deadline: May 19, 2025

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 15-2024, Safety Standard for Refrigeration Systems (addenda to ANSI/ASHRAE Standard 15-2022)
This proposed addendum makes changes to several sub-sections in Section 7 of the standard. The proposed revisions make use of defined terms where appropriate, amend section titles to better reflect their content, and use mandatory language in normative sections.
Single copy price: $35.00
Obtain an electronic copy from: mailto:standards.section@ashrae.org
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 | cking@ashrae.org, www.ashrae.org

Revision

BSR/ASHRAE Standard 24-202x, Methods of Testing for Rating Evaporators Used for Cooling Liquids (revision of ANSI/ASHRAE Standard 24-2019)
This revision of ANSI/ASHRAE Standard 24-2019 prescribes methods of testing the thermal performance and liquid-side pressure drop of evaporators that operate at subcritical pressures of the evaporating refrigerant.
Single copy price: $35.00
Obtain an electronic copy from: http://www.ashrae.org/standards-research--technology/public-review-drafts
Send comments (copy psa@ansi.org) to: http://www.ashrae.org/standards-research--technology/public-review-drafts

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 B31.9-202x, Building Services Piping (revision of ANSI/ASME B31.9-2020)
This Code Section has rules for the piping in industrial, institutional, commercial, and public buildings, and in multi-unit residences, which does not require the range of sizes, pressures, and temperatures covered in ASME B31.1. This Code prescribes requirements for the design, materials, fabrication, installation, inspection, examination, and testing of piping systems for building services. It includes piping systems in the building or within the property limits.
Single copy price: Free
Obtain an electronic copy from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm
Send comments (copy psa@ansi.org) to: Ray Rahaman

ASTM (ASTM International)

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

New Standard

BSR/ASTM E2549-202x, Practice for Validation of Seized-Drug Analytical Methods (new standard)
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: accreditation@astm.org

Comment Deadline: May 19, 2025

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

New Standard

BSR/ASTM WK78747-202x, Guide for Forensic Examination of Fibers (new standard)
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

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

Reaffirmation

BSR/ASTM E2846-2020 (R202x), Guide for Thermocouple Verification (reaffirmation of ANSI/ASTM E2846-2020)
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

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

Reaffirmation

BSR/ASTM F1760-2016 (R202x), Specification for Coextruded Poly(Vinyl Chloride) (PVC) Non-Pressure Plastic Pipe Having Reprocessed-Recycled Content (reaffirmation of ANSI/ASTM F1760-2016 (R2020))
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

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

Revision

BSR/ASTM D2241-202x, Specification for Poly(Vinyl Chloride) (PVC) Pressure-Rated Pipe (SDR Series) (revision of ANSI/ASTM D2241-2024)
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

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

Revision

BSR/ASTM D5926-202x, Specification for Poly(Vinyl Chloride) (PVC) Gaskets for Drain, Waste, and Vent (DWV), Sewer, Sanitary, and Storm Plumbing Systems (revision of ANSI/ASTM D5926-2015 (R2021))
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

Comment Deadline: May 19, 2025

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

Revision

BSR/ASTM D6299-202x, Practice for Applying Statistical Quality Assurance and Control Charting Techniques to Evaluate Analytical Measurement System Performance (revision of ANSI/ASTM D6299-2023A)
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

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

Revision

BSR/ASTM D7372-202x, Guide for Analysis and Interpretation of Proficiency Test Program Results (revision of ANSI/ASTM D7372-2021)
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
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ASTM (ASTM International)
100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 | accreditation@astm.org, www.astm.org

Revision

BSR/ASTM E220-202x, Test Method for Calibration of Thermocouples by Comparison Techniques (revision of ANSI/ASTM E220-2019)
https://www.astm.org/get-involved/technical-committees/ansi-review
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ASTM (ASTM International)
100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 | accreditation@astm.org, www.astm.org

Revision

BSR/ASTM E329-202x, Specification for Agencies Engaged in Construction Inspection, Testing, or Special Inspection (revision of ANSI/ASTM E329-2023)
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
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Comment Deadline: May 19, 2025

ASTM (ASTM International)

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

Revision

BSR/ASTM E1492-202x, Practice for Receiving, Documenting, Storing, and Retrieving Evidence in a Forensic Science Laboratory (revision of ANSI/ASTM E1492-2011 (2017))
https://www.astm.org/get-involved/technical-committees/ansi-review
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ASTM (ASTM International)

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

Revision

BSR/ASTM E2181-202x, Specification for Compacted Mineral-Insulated, Metal-Sheathed, Noble Metal Thermocouples and Thermocouple Cable (revision of ANSI/ASTM E2181/E2181M-2024)
https://www.astm.org/get-involved/technical-committees/ansi-review
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ASTM (ASTM International)

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

Revision

BSR/ASTM F905-202x, Practice for Qualification of Polyethylene Saddle-Fused Joints (revision of ANSI/ASTM F905-2004 (R2022))
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
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ASTM (ASTM International)

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

Revision

BSR/ASTM F1281-202x, Specification for Crosslinked Polyethylene/Aluminum/Crosslinked Polyethylene (PEX-AL-PEX) Pressure Pipe (revision of ANSI/ASTM F1281-2024)
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

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ASTM (ASTM International)

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

Revision

BSR/ASTM F1488-202x, Specification for Coextruded Composite Pipe (revision of ANSI/ASTM F1488-2024)
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
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ASTM (ASTM International)

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

Revision

BSR/ASTM F1973-202x, Specification for Factory Assembled Anodeless Risers and Transition Fittings in Polyethylene (PE) and Polyamide 11 (PA11) and Polyamide 12 (PA12) Fuel Gas Distribution Systems (revision of ANSI/ASTM F1973-2021)
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

ASTM (ASTM International)

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

Revision

BSR/ASTM F2788-202x, Specification for Metric and Inch-sized Crosslinked Polyethylene (PEX) Pipe (revision of ANSI/ASTM F2788/F2788M-2024)
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

ASTM (ASTM International)

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

Revision

BSR/ASTM F3556-202x, Specification for Physical Properties of Polyethylene Corrugated Gravity Flow (Non-Pressure) Pipe and Fittings with Recycled Content (revision of ANSI/ASTM F3556-2024)
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

Comment Deadline: May 19, 2025

ECIA (Electronic Components Industry Association)

13873 Park Center Road, Suite 315, Herndon, VA 20171 | ldonohoe@ecianow.org, www.ecianow.org

Revision

BSR/EIA 364-36C-202x, Determination of Gas-Tight Characteristics Test Procedure for Electrical Connectors, and/or Contact Systems (revision and redesignation of ANSI/EIA 364-36B-2006 (R2019))
This procedure is to determine the integrity of contacting surfaces (at the mating and/or termination areas) by assessment of the gas-tight characteristics of the contacting surfaces. The gas-tight characteristic simulates the ability of the contacting surfaces to prevent harsh environments from penetrating between them and forming oxides and/or films that will degrade electrical performance. It is recommended for contacts and/or connector (socket) assemblies directly exposed to outside environments or those that are in uncontrolled environments (internal or external to electronic packaging).
Single copy price: $78.00
Obtain an electronic copy from: store.accuristech.com
Send comments (copy psa@ansi.org) to: emikoski@ecianow.org

HL7 (Health Level Seven)

455 E. Eisenhower Parkway, Suite 300 #025, Ann Arbor, MI 48108 | lynn@hl7.org, www.hl7.org

New Standard

BSR/HL7 EHRSFM R2 USEGUIDE E1-202x, HL7 EHRS-FM Release 2.0.1: Usability Functional Profile, Edition 1 (new standard)
List of Functions and Conformance Criteria that promote the usability of electronic health record systems. Enables Health Information System designers to design systems that account for and accommodate human factors. Supports purchasing decisions by clinicians and other users of systems that meet traditional human-computer interface requirements.
Single copy price: Free/No cost license with user login.00
Obtain an electronic copy from: lynn@hl7.org
Send comments (copy psa@ansi.org) to: Lynn Laakso <lynn@hl7.org>

NEMA (ASC C78) (National Electrical Manufacturers Association)

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

Reaffirmation

BSR C78.55-2020 (R202x), Electric Lamps - LED Lamp Specification Sheets for HID Replacement and Retrofit Applications (reaffirmation of ANSI C78.55-2020)
The purpose is to standardize LED Lamp specification sheets for HID Replacement and Retrofit Applications, as the means of communication of critical lamp characteristics such as: (a) Intended use ballasts (if applicable); (b) Reference circuit (if applicable); (c) Identify input voltage requirements (for use with mains voltage); (d) Light distribution; (e) Other characteristics may include physical dimensions and/or temperature ratings for operation. This Standard will cover all types of HID replacement and retrofit applications using LED lamps. The minimum contents and format of the specification sheet will be provided. Manufacturers can include additional information. This includes ballast driven (commonly referred to as Type A), mains voltage driven (commonly referred to as Type B), external driver driven (commonly referred to as Type C), or hybrid type replacements. Lamps that do not fit existing replacement sockets, i.e., new lamp configurations, are not part of this Standard. Required contents and format of the specification sheet are provided. Manufacturers can include additional information.
Single copy price: $100.00
Obtain an electronic copy from: michael.erbesfeld@nema.org
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: May 19, 2025

NEMA (ASC C78) (National Electrical Manufacturers Association)

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

Stabilized Maintenance

BSR C78.79-2014 (S202x), Electric Lamps - Nomenclature for Envelope Shapes Intended for Use with Electric Lamps (stabilized maintenance of ANSI C78.79-2014 (R2020))
This standard describes a system of nomenclature that provides designations for envelope shapes used for all electric lamps. These envelope shapes are intended to be used with ANSI standardized base and holder systems. The included general shapes are not associated with specific base and holder systems; they may be used with one or more of these systems.
Single copy price: $135.00
Obtain an electronic copy from: michael.erbesfeld@nema.org
Send comments (copy psa@ansi.org) to: Same

NEMA (ASC C78) (National Electrical Manufacturers Association)

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

Stabilized Maintenance

BSR C78.375A-2014 (S202x), Electric Lamps - Fluorescent Lamps - Guide for Electrical Measures (stabilized maintenance of ANSI C78.375A-2014 (R2020))
This standard describes the procedures to be followed and the precautions to be observed in obtaining uniform and reproducible measurements of the electrical characteristics of fluorescent lamps under standard conditions when operated on alternating current (ac) circuits. These methods are applicable both to lamps having hot cathodes - switch-start (preheat-start), rapid-start (continuously heated cathodes), or instant-start - and to lamps of the cold-cathode variety. The electrical characteristics usually measured are lamp current, lamp voltage, and lamp power. In the case of rapid-start lamps, the power measurements may include both the arc watts and the cathode watts. Total lamp power is the sum of arc watts and cathode watts. The methods noted in this standard apply to fluorescent lamps operated at common power-line frequencies (50 and 60 Hz) or high frequency.
Single copy price: $75.00
Obtain an electronic copy from: michael.erbesfeld@nema.org
Send comments (copy psa@ansi.org) to: Same

NEMA (ASC C8) (National Electrical Manufacturers Association)

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

Reaffirmation

BSR/ICEA S-70-547-2016 (R202x), Standard for Weather-Resistant Polyethylene-Covered Conductor (reaffirmation of ANSI/ICEA S-70-547-2016)
This standard applies to the materials, constructions, and testing of weather-resistant polyethylene covered conductors, rated for 75°C or 90°C normal service temperature. These conductors are intended primarily for the distribution of electrical energy under normal conditions of overhead (aerial) installations and service outdoors.
Single copy price: $100.00
Obtain an electronic copy from: communication@nema.org
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: May 19, 2025

NEMA (ASC C8) (National Electrical Manufacturers Association)

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

Revision

BSR ICEA T-34-664-202x, Test Method for Conducting Longitudinal Water Penetration Resistance Tests on Longitudinal Water Blocked Cables (revision of ANSI ICEA T-34-664-2018)
This test method provides for qualification and production test procedures for determining the effectiveness of non-metallic water barriers incorporated in a cable construction which are designed as an impediment to longitudinal water penetration along the cable interstices.
Single copy price: $120.00
Obtain an electronic copy from: communication@nema.org
Send comments (copy psa@ansi.org) to: Khaled Masri <Khaled.Masri@nema.org>

RESOLVE (Resolve, Inc.)

2445 M Street, NW, Suite 550, Washington, DC 20037 | mhines@resolve.ngo, www.resolve.ngo

New Standard

BSR/RESOLVE RES-001/CSA-R301-202x, Reusable packaging system design standard: Container design and performance (new standard)
PR3's Reusable Packaging System Design Standards provide design and performance requirements and recommendations for reuse infrastructure and operations. These standards aim to enable interoperability between communities and businesses, which can increase the financial, social, and environmental performance of reuse systems. This document provides specifications for containers in a reuse system, including durabilty, materials requirements, recyclability, washability, and requirements to enable refilling and labeling.
Single copy price: Free
Obtain an electronic copy from: https://static1.squarespace.com/static/66b0e66e0e93f74bb7dc5618/t/67ddc4598fb1496870a918e7/1742586974129/Container+Design+and+Performance+-+recirculation+ballot+March+2025+v4.pdf
Send comments (copy psa@ansi.org) to: https://forms.gle/71Q4r46UBAYft1ps8

ULSE (UL Standards & Engagement)

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

Reaffirmation

BSR/UL 823-2021 (R202x), Standard for Safety for Electric Heaters for Use in Hazardous (Classified) Locations (reaffirmation of ANSI/UL 823-2021)
(1) Reaffirmation and continuance of the Tenth Edition of the Standard for Safety for Electric Heaters for Use in Hazardous (Classified) Locations, UL 823, as an standard.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/ProposalAvailable
Send comments (copy psa@ansi.org) to: https://csds.ul.com/ProposalAvailable

Comment Deadline: May 19, 2025

ULSE (UL Standards & Engagement)

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

Reaffirmation

BSR/UL 61010-2-040-2021 (R202x), Standard for Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 2-040: Particular Requirements for Sterilizers and Washer-Disinfectors Used to Treat Medical Materials (reaffirm a national adoption ANSI/UL 61010-2-040-2021)
(1) Reaffirmation and continuance of the Third Edition of the Standard for Safety for Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use – Part 2-040: Particular Requirements for Sterilizers and Washer-Disinfectors Used to Treat Medical Materials, UL 61010-2-040, as an standard.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/ProposalAvailable
Send comments (copy psa@ansi.org) to: https://csds.ul.com/ProposalAvailable

ULSE (UL Standards & Engagement)

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

Reaffirmation

BSR/UL 61058-2-6-2020 (R202x), Standard for Safety for Switches for Appliances - Part 2-6: Particular Requirements for Switches Used In Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery (reaffirmation of ANSI/UL 61058-2-6-2020)
(1) Reaffirmation and continuance of the 1st Edition of the Standard for Switches for Appliances – Part 2-6: Particular Requirements for Switches Used In Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery, UL 61058-2-6, as an standard.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/ProposalAvailable
Send comments (copy psa@ansi.org) to: https://csds.ul.com/ProposalAvailable

ULSE (UL Standards & Engagement)

1603 Orrington Ave, Suite 20000, Evanston, IL 60201 | Susan.P.Malohn@ul.org, https://ulse.org/

Revision

BSR/UL 2703-202x, Standard for Safety for Mounting Systems, Mounting Devices, Clamping/Retention Devices, and Ground Lugs for Use with Flat-Plate Photovoltaic Modules and Panels (revision of ANSI/UL 2703-2024)
(1) Clarifications to the Clamp Load Calculation Method, Including Added definitions, Examples, References, and the Addition of a Table Showing K-Factor Used in the Clamp Load Calculation;
(2) Additional Fire Types to Exception in 11.1(a);
(3) Clarification on Current and Time to be Selected for the Optional Short-Time Current Test Referenced in Paragraph 22.1
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/ProposalAvailable
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/ProposalAvailable

Comment Deadline: June 3, 2025

IEEE (Institute of Electrical and Electronics Engineers)

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

New Standard

BSR/IEEE 2818-202x, Standard for Reliability Component Stress Analysis and Derating Specification (new standard)
This document describes an open standard for parts stress analysis and derating. It establishes uniform methods to increase a component's reliability margin by decreasing the amount of applied stress (i.e., voltage, current, temperature, power, etc.) to an electronic, electrical, or electromechanical part. Reducing the stress levels improves device reliability/durability by reducing failure rates, thereby improving the reliability and availability of the product.
Single copy price: $62.00
Obtain an electronic copy from: https://store.accuristech.com/searches/50506127
Order from: https://store.accuristech.com/
Send comments (copy psa@ansi.org) to: Suzanne Merten <s.merten@ieee.org>

IEEE (Institute of Electrical and Electronics Engineers)

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

New Standard

BSR/IEEE 2824-202x, Guide for the Mechanical Acoustic Imaging Testing of High-Voltage Reactors (new standard)
Sound is generated by a high-voltage reactor during operation due to vibration with the action of electrical and mechanical stress. Rich state information about the reactor is contained in these sound signals. Therefore, the evaluation of equipment status can be aided by the measurement and research into reactor sound signals. A solid technical foundation for locating abnormal noise in reactors is also provided by the development of acoustic imaging technology. Acoustic imaging technology allows researchers to obtain the distribution of the sound field of a reactor with a microphone array. Combined with knowledge of the reactor structure and operating status, the position of a sound signal and the status of reactors can be effectively determined by researchers with this technology. The characteristics of acoustic imaging technology include noncontact measurement, simple operation, and flexible arrangement. The measured results are important for diagnosing reactor status and identifying sound sources. To guide and provide instructions for the testing of on-site acoustic imaging for reactors, this guide is formulated to specify the test methods, provide the basic requirements, and describe the test instruments, procedures, test data analysis methods, and data records, while providing guidance for the testing of acoustic imaging for reactor.
Single copy price: $71.00
Obtain an electronic copy from: https://store.accuristech.com/searches/50506777
Order from: https://store.accuristech.com/
Send comments (copy psa@ansi.org) to: Suzanne Merten <s.merten@ieee.org>

Comment Deadline: June 3, 2025

IEEE (Institute of Electrical and Electronics Engineers)
445 Hoes Lane, Piscataway, NJ 08854-4141 | s.merten@ieee.org, www.ieee.org

New Standard

BSR/IEEE 2833-202x, Guide for Overhead Transmission Lines with Composite Insulated Crossarm Supports (new standard)
The technical requirements for overhead transmission lines with composite insulated crossarm (CICA) supports, which include design and functional provisions; component requirements; tests; installation and acceptance needs; and operation and maintenance procedures are specified in this Guide.
Single copy price: $92.00
Obtain an electronic copy from: https://store.accuristech.com/searches/50506746
Order from: https://store.accuristech.com/
Send comments (copy psa@ansi.org) to: Suzanne Merten <s.merten@ieee.org>

IEEE (Institute of Electrical and Electronics Engineers)
445 Hoes Lane, Piscataway, NJ 08854-4141 | s.merten@ieee.org, www.ieee.org

New Standard

BSR/IEEE 3102-202x, Standard for Conservation Voltage Reduction (CVR) Data Collection and Management Procedures (new standard)
Challenges in conducting measurement and verification in conservation voltage reduction (CVR) deployed feeders are faced by utilities. A standard is needed to provide procedures for electric utilities to determine the energy savings and CVR factors of their CVR programs, to define parameters for regulatory reporting, and to define standardized verification methodology selection based on standard data collection methodologies. The specification of CVR data management and collection procedures for use by the electric utility industry to enable energy savings is the purpose of this standard. Electric utilities, electric utility equipment manufacturers, software vendors, and electric utility regulatory commissions are the included stakeholders for this standard.
Single copy price: $74.00
Obtain an electronic copy from: https://store.accuristech.com/searches/50506585
Order from: https://store.accuristech.com/
Send comments (copy psa@ansi.org) to: Suzanne Merten <s.merten@ieee.org>

IEEE (Institute of Electrical and Electronics Engineers)
445 Hoes Lane, Piscataway, NJ 08854-4141 | s.merten@ieee.org, www.ieee.org

New Standard

BSR/IEEE C37.20.7-202x, Recommended Practice for Testing Switchgear Rated Up to 52 kV for Internal Arcing Faults (new standard)
Procedures for testing and evaluating the performance of switchgear for internal arcing faults are covered by this recommended practice. A method of identifying the capabilities of this equipment is given. Service conditions, installation, and application of equipment are also discussed. As used in this document, the term “switchgear” is used as a general term covering switching and interrupting devices and their combination with associated control, instrumentation, metering, protective and regulating devices, assemblies of those devices with associated interconnections, accessories, and supporting structures used primarily in conjunction with the generation, transmission, distribution, and conversion of electrical power.
Single copy price: $108.00
Obtain an electronic copy from: https://store.accuristech.com/standards/ieee-c37-20-7-2024?product_id=2570047
Order from: https://store.accuristech.com/
Send comments (copy psa@ansi.org) to: Suzanne Merten <s.merten@ieee.org>

Comment Deadline: June 3, 2025

IEEE (Institute of Electrical and Electronics Engineers)

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

New Standard

BSR/IEEE C37.90.1-202x, Standard for Relays, Relay Systems, and Control Devices used for Protection and Control of Electric Power Apparatus - Surge Withstand Capability (SWC) and Electrical Fast Transient (EFT) Requirements and Tests (new standard)
Design tests for relays, relay systems, and control devices used for protection and control of electric power apparatus that relate to the immunity of this equipment to repetitive electrical transients are specified in this standard. Two types of tests are specified: the slow damped oscillatory test, and the electrical fast transient (EFT) burst test. For devices with communication ports, where the device does not perform protection or control functions, testing of the communication functions is covered by IEEE Std 1613™. Where the device performs protection or control functions and has communication ports, tests for all communication functions are covered by this document. For devices without communication ports, the tests are covered by this document.
Single copy price: $79.00
Obtain an electronic copy from: https://store.accuristech.com/searches/50506722
Order from: https://store.accuristech.com/
Send comments (copy psa@ansi.org) to: Suzanne Merten <s.merten@ieee.org>

IEEE (Institute of Electrical and Electronics Engineers)

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

New Standard

BSR/IEEE C37.90.2-202x, Standard for Relays, Relay Systems, and Control Devices used for Protection and Control of Electric Power Apparatus - Radiated Electromagnetic Interference Withstand Capability Requirements and Tests (new standard)
Design tests for relays and relay systems that relate to the immunity of this equipment to radiated electromagnetic interference from transceivers are specified in this standard. Field strength, test frequencies, modulation, sweep rates, equipment setup and connection, test procedures, criteria for acceptance, and documentation for test results are described. This standard has been harmonized with IEC standards where consensus could be reached.
Single copy price: $58.00
Obtain an electronic copy from: https://store.accuristech.com/standards/ieee-c37-90-2-2024?product_id=2252274
Order from: https://store.accuristech.com/
Send comments (copy psa@ansi.org) to: Suzanne Merten <s.merten@ieee.org>

Comment Deadline: June 3, 2025

IEEE (Institute of Electrical and Electronics Engineers)

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

New Standard

BSR/IEEE C37.105-202x, Standard for Qualifying Class 1E Protective Relays and Auxiliaries for Nuclear Power Generating Stations and Nuclear Facilities (new standard)
Basic principles, requirements, and methods for qualifying Class 1E protective relays and auxiliaries in nuclear power generating stations, including digital and analog devices, but excluding devices located inside the primary containment, are covered in this standard.
Single copy price: $61.00
Obtain an electronic copy from: https://store.accuristech.com/standards/ieee-c37-105-2024?product_id=2575588
Order from: https://store.accuristech.com/
Send comments (copy psa@ansi.org) to: Suzanne Merten <s.merten@ieee.org>

ULSE (UL Standards & Engagement)

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

Reaffirmation

BSR/UL 969A-2020 (R202x), UL standard for Marking and Labeling Systems - Flag Labels, Flag Tags, Wrap-Around Labels and Related Products (reaffirmation of ANSI/UL 969A-2020)
Reaffirmation and continuance of the First Edition of the Standard for Marking and Labeling Systems – Flag Labels, Flag Tags, Wrap-Around Labels and Related Products, UL 969A, as an American National Standard.
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

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 203-202x, Standard for Pipe Hanger Equipment for Fire Protection Service (revision of ANSI/UL 203 -2020)
These requirements cover the performance of pipe hanger equipment for use in supporting piping employed in sprinkler systems, water-spray systems, and other piping systems used for fire-protection service. Requirements for the installation of pipe hangers and auxiliary equipment and limitations for use of specific sizes of hangers and pipe are included in the Standard for the Installation of Sprinkler Systems, NFPA 13, and the Standard for Water-Spray Fixed Systems for Fire Protection, NFPA 15. These requirements cover design variations of hangers defined in Section 5, and do not cover products fabricated from rods of iron or steel with diameters specified by the Standard for the Installation of Sprinkler Systems, NFPA 13, such as U-type hangers, hanger rods, coach screws, and similar products. This proposal covers a Revision to the scope, Minimum Hanger Rod Size and Additional Pipe Sizes, Electronic Installation Instructions.
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

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 WK85254-202x, New Guide for Photovoltaic (PV) Soiling Methodologies (new standard)
Send comments (copy psa@ansi.org) to: Lauren Daly <accreditation@astm.org>

Withdrawal of an ANS by ANSI-Accredited Standards Developer

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

HL7 (Health Level Seven)

455 E. Eisenhower Parkway, Suite 300 #025, Ann Arbor, MI 48108 | lynn@hl7.org, www.hl7.org

ANSI/HL7 V3 IDC, R2-2013 (R2020), HL7 Version 3 Standard: Implantable Device Cardiac - Follow-up Device Summary, Release 2 (reaffirmation of ANSI/HL7 V3 IDC, R2-2013)
Send comments (copy psa@ansi.org) to: Questions may be directed to: Lynn Laakso <lynn@hl7.org>

Final Actions on American National Standards

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

ADA (American Dental Association)

211 E. Chicago Avenue, Chicago, IL 60611-2678 | swickm@ada.org, www.ada.org

ANSI/ADA Standard No. 188-2025, Dentistry - Materials Used to Produce Sequential Aligners (new standard) Final Action Date: 3/27/2025 | *New Standard*

ANSI/ADA Standard No. 2000.8-2025, SNODENT (revision and redesignation of ANSI/ADA Standard No. 2000.7-2023) Final Action Date: 3/27/2025 | *Revision*

AMCA (Air Movement and Control Association)

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

ANSI/AMCA 99-2025, Standards Handbook (revision of ANSI/AMCA 99-2016) Final Action Date: 3/25/2025 | *Revision*

ANS (American Nuclear Society)

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

ANSI/ANS 2.29-2020 (R2025), Probabilistic Seismic Hazard Analysis (reaffirmation of ANSI/ANS 2.29-2020) Final Action Date: 3/25/2025 | *Reaffirmation*

ANSI/ANS 8.20-2025, Nuclear Criticality Safety Training (revision of ANSI/ANS 8.20-1991 (R2020)) Final Action Date: 3/26/2025 | *Revision*

ASA (ASC S3) (Acoustical Society of America)

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

ANSI/ASA S3.2-2020 (R2025), Method for Measuring the Intelligibility of Speech over Communication Systems (reaffirmation of ANSI/ASA S3.2-2020) Final Action Date: 3/27/2025 | *Reaffirmation*

ANSI/ASA S3.42-2012/Part 2/IEC 60118-15:2012 (R2025), Testing Hearing Aids - Part 2: Methods for characterizing signal processing in hearing aids with a speech-like signal (a nationally adopted international standard) (reaffirm a national adoption ANSI/ASA S3.42-2012/Part 2/IEC 60118-15:2012 (R2020)) Final Action Date: 3/27/2025 | *Reaffirmation*

ANSI/ASA S3.44-2016/Part 1/ISO 1999-2013 (MOD) (R2025), Acoustics - Estimation of Noise-induced Hearing Loss - Part 1: Method for Calculating Expected Noise-induced Permanent Threshold Shift (a modified nationally adopted international standard) (reaffirm a national adoption ANSI/ASA S3.44-2016/Part 1/ISO 1999-2013 (MOD) (R2020)) Final Action Date: 3/27/2025 | *Reaffirmation*

ASC X9 (Accredited Standards Committee X9, Incorporated)

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

ANSI X9.119-1-2025, Retail Financial Services - Requirements for Protection of Sensitive Payment Card Data - Part 1: Using Encryption Methods (revision of ANSI X9.119-1-2016) Final Action Date: 3/25/2025 | *Revision*

ASME (American Society of Mechanical Engineers)

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

ANSI/ASME BPVC Section II-2025, Part C - Specifications for Welding Rods, Electrodes, and Filler Metals (revision of ANSI/ASME BPVC Section II-2023) Final Action Date: 3/27/2025 | *Revision*

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

520 N. Northwest Highway, Park Ridge, IL 60068 | TFisher@ASSP.org, www.assp.org

ANSI/ASSP A10.11-2025, Safety Requirements for Personnel Nets (revision and redesignation of ANSI/ASSE A10.11 -2016) Final Action Date: 3/25/2025 | *Revision*

BHMA (Builders Hardware Manufacturers Association)

529 14th Street, NW, Suite 1280, Washington, DC 20045 | kbishop@kellencompany.com, www.buildershardware.com

ANSI/BHMA A156.21-2025, Standard for Thresholds (revision of ANSI/BHMA A156.21-2019) Final Action Date: 3/25/2025 | *Revision*

CSA (CSA America Standards Inc.)

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

ANSI/CSA Z21.12 (R2025), Draft Hoods (same as CSA Z21.12) (reaffirmation of ANSI Z21.12-1990 (R2020)) Final Action Date: 3/31/2025 | *Reaffirmation*

ANSI Z83.11-2025, Gas food service equipment (same as CSA 1.8-202x) (revision of ANSI Z83.11-2016/CSA 1.8-2016 (R2021)) Final Action Date: 3/25/2025 | *Revision*

DirectTrust™ (DirectTrust.org, Inc.)

1629 K Street NW, Suite 300, Washington, DC 20006 | taylor.davis@directtrust.org, www.DirectTrust.org

ANSI/DS2020-03-101-2025, Event Notifications via the Direct Standard® (revision of ANSI/DS2020-03-101-2024) Final Action Date: 3/25/2025 | *Revision*

ECIA (Electronic Components Industry Association)

13873 Park Center Road, Suite 315, Herndon, VA 20171 | ldonohoe@ecianow.org, www.ecianow.org

ANSI/EIA 364-26C (R2025), Salt Spray Test Procedure for Electrical Connectors, Contacts and Sockets (reaffirmation of ANSI/EIA 364-26-C-2014 (R2019)) Final Action Date: 3/31/2025 | *Reaffirmation*

ANSI/EIA 364-11C-2014 (R2025), Resistance to Solvents - Test Procedure for Electrical Connectors and Sockets (reaffirmation of ANSI/EIA 364-11C-2014 (R2019)) Final Action Date: 3/31/2025 | *Reaffirmation*

ANSI/EIA 364-49-2013 (R2025), Ultraviolet Radiation Test Procedure for Electrical Connectors and Sockets (reaffirmation of ANSI/EIA 364-49-2013 (R2019)) Final Action Date: 3/31/2025 | *Reaffirmation*

ANSI/EIA 364-61A-2014 (R2025), Resistance to Soldering Heat from Rework Test Procedure for Electrical Connectors and Sockets Mounted on Printed Circuit Boards (reaffirmation of ANSI/EIA 364-61A-2014 (R2019)) Final Action Date: 3/31/2025 | *Reaffirmation*

ANSI/EIA 364-64-2014 (R2025), Shell Spring Finger Force Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-64-2014 (R2019)) Final Action Date: 3/31/2025 | *Reaffirmation*

IEEE (Institute of Electrical and Electronics Engineers)

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

ANSI/IEEE C57.12.28-2025, Standard for Pad-Mounted Equipment - Enclosure Integrity (new standard) Final Action Date: 3/26/2025 | *New Standard*

ANSI/IEEE C37.102-2025, Guide for AC Generator Protection (revision of ANSI/IEEE C37.102-2006 (R2012)) Final Action Date: 3/25/2025 | *Revision*

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

700 K Street NW, Suite 600, Washington, DC 20001 | INCITS-comments@connectedcommunity.org, www.incits.org

INCITS 503-2022/AM1-2025, Information technology - SCSI Stream Commands-5 (SSC-5) - Amendment 1 (SSC-5-AM1) (addenda to INCITS 503-2022) Final Action Date: 3/31/2025 | *Addenda*

INCITS 566-2025, Information technology - SCSI Primary Commands - 6 (SPC-6) (new standard) Final Action Date: 3/31/2025 | *New Standard*

INCITS 322-2025, Information Technology - Card Durability Test Methods (revision of INCITS 322-2015 [R2020]) Final Action Date: 3/31/2025 | *Revision*

NECA (National Electrical Contractors Association)

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

ANSI/NECA 420-2025, Standard on Fuse Applications (revision of ANSI/NECA 420-2014) Final Action Date: 3/27/2025 | *Revision*

NEMA (ASC C78) (National Electrical Manufacturers Association)

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

ANSI C78.50-2025, Standard for Electric Lamps - Assigned LED Lamp Codes (revision of ANSI C78.50-2016 (R2022)) Final Action Date: 3/26/2025 | *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 P-79-561-2025, Guide for Selecting Aerial Cable Messengers and Lashing Wires (revision of ANSI ICEA P-79 -561-2020) Final Action Date: 3/31/2025 | *Revision*

ANSI ICEA S-104-696-2025, Standard for Indoor-Outdoor Optical Fiber Cable (revision of ANSI ICEA S-104-696-2019) Final Action Date: 3/27/2025 | *Revision*

ANSI ICEA T-31-610-2025, Test Method For Conducting Longitudinal Water Penetration Resistance Tests on Blocked Conductors (revision of ANSI ICEA T-31-610-2018) Final Action Date: 3/27/2025 | *Revision*

NSF (NSF International)

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

ANSI/NSF 7-2024 (i32r1), Commercial Refrigerators and Freezers (revision of ANSI/NSF 7-2023) Final Action Date: 3/26/2025 | *Revision*

ANSI/NSF 53-2024 (i161r2), Drinking Water Treatment Units - Health Effects (revision of ANSI/NSF 53-2023) Final Action Date: 3/26/2025 | *Revision*

ANSI/NSF/CAN 50-2025 (i215r1), Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and Other Recreational Water Facilities (revision of ANSI/NSF/CAN 50-2024) Final Action Date: 3/28/2025 | *Revision*

PHTA (Pool and Hot Tub Alliance)

1650 King Street, Suite 602, Alexandria, VA 22314 | bpavlik@phta.org, www.PHTA.org

ANSI/PHTA/ICC-5-2025, Standard for Residential Inground Swimming Pools (revision and redesignation of ANSI/APSP/ICC-5 2011 (R2022)) Final Action Date: 4/2/2025 | *Revision*

SPRI (Single Ply Roofing Industry)

60 Hickory Drive, Suite 6100, Waltham, MA 02451 | info@spri.org, www.spri.org

ANSI/SPRI WD-1-2025, Wind Design Standard Practice for Roofing Assemblies (revision of ANSI/SPRI WD-1-2020) Final Action Date: 3/25/2025 | *Revision*

ULSE (UL Standards & Engagement)

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

ANSI/UL 283-2025, Standard for Safety for Air Fresheners and Deodorizers (revision of ANSI/UL 283-2021) Final Action Date: 3/30/2025 | *Revision*

ANSI/UL 891-2025, Standard for Switchboards (revision of ANSI/UL 891-2019) Final Action Date: 3/21/2025 | *Revision*

ANSI/UL 1017-2025, Standard for Safety for Vacuum Cleaners, Blower Cleaners, and Household Floor Finishing Machines (revision of ANSI/UL 1017-2017 (R2023)) Final Action Date: 3/26/2025 | *Revision*

ANSI/UL 1022-2025, Standard for Line Isolation Monitors (revision of ANSI/UL 1022-2012 (R2020)) Final Action Date: 3/27/2025 | *Revision*

ANSI/UL 1047-2025, Standard for Isolated Power Systems Equipment (revision of ANSI/UL 1047-2010 (R2020)) Final Action Date: 3/26/2025 | *Revision*

ANSI/UL 2075-2025, Standard for Gas and Vapor Detectors and Sensors (revision of ANSI/UL 2075-2023) Final Action Date: 3/26/2025 | *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.

ABMA (ASC B3) (American Bearing Manufacturers Association)

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

BSR ABMA ISO 10285/Amd 1-202x, Rolling bearings - Sleeve type linear ball bearings - Boundary dimensions and tolerances - Amendment 1 (identical national adoption of ISO 10285:2007/Amd 1:2012)

ABMA (ASC B3) (American Bearing Manufacturers Association)

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

BSR ABMA ISO 199-202x, Rolling bearings - Thrust bearings - Geometrical product specifications (GPS) and tolerance values (identical national adoption of ISO 199:2023 and revision of ANSI/ABMA/ISO 199-2014)

ABMA (ASC B3) (American Bearing Manufacturers Association)

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

BSR ABMA ISO 3096-202x, Rolling bearings - Needle rollers - Boundary dimensions, geometrical product specifications (GPS) and tolerance values (identical national adoption of ISO 3096:2018 and revision of ANSI/ABMA/ISO 3096:2014)

ABMA (ASC B3) (American Bearing Manufacturers Association)

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

BSR ABMA ISO 5593-202x, Rolling bearings - Vocabulary (identical national adoption of ISO 5593:2023 and revision of ANSI/ABMA/ISO 5593-1997 (S2013))

AIA (Aerospace Industries Association)

1000 Wilson Boulevard, Suite 1700, Arlington, VA 22209 | chris.carnahan@aia-aerospace.org, www.aia-aerospace.org

BSR/AIA NAS9945-202x, Airworthiness Engineering Training and Education (new standard)

ASA (ASC S12) (Acoustical Society of America)

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

BSR S12.84/Part 1-202x, Method to Measure Firearm Suppressor Noise Reduction: Part 1, Using a Single-shot Host Firearm (new standard)

ASC X9 (Accredited Standards Committee X9, Incorporated)

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

BSR X9.144-202x, Legal Record Requests (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 B31.9-202x, Building Services Piping (revision of ANSI/ASME B31.9-2020)

DirectTrust™ (DirectTrust.org, Inc.)

1629 K Street NW, Suite 300, Washington, DC 20006 | taylor.davis@directtrust.org, www.DirectTrust.org

BSR/DS2019-01-200-202x, XDR and XDM for Direct Secure Messaging Specification (revision of ANSI/DS2019-01-200-2025)
Interest Categories: Call for DirectTrust Standards Members DS2019 – The Direct Standard(R) Are you interested in contributing to the development and maintenance of the Direct Standard(R) to enable exchange of authenticated, encrypted health information to known trusted recipients? If you are interested in joining the DS2019 the Direct Standard(R) Consensus Body contact standards@directtrust.org.

ECIA (Electronic Components Industry Association)

13873 Park Center Road, Suite 315, Herndon, VA 20171 | ldonohoe@ecianow.org, www.ecianow.org

BSR/EIA 364-36C-202x, Determination of Gas-Tight Characteristics Test Procedure for Electrical Connectors, and/or Contact Systems (revision and redesignation of ANSI/EIA 364-36B-2006 (R2019))

ISA (International Society of Automation)

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

BSR/ISA 113.00.01-202x, Distributed Workflow System Integration (new standard)

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

700 K Street NW, Suite 600, Washington, DC 20001 | INCITS-comments@connectedcommunity.org, www.incits.org

INCITS 590-202x, Information technology - ATA Command Set - 7 (ACS-7) (new standard)

NALFA (North American Laminate Flooring Association)

1747 Pennsylvania Avenue, NW, Suite 1000, Washington, DC 20006 | dgoch@wc-b.com, www.nalfa.com

BSR/NALFA LF-01-202x, Laminate Flooring Specifications and Test Methods (revision of ANSI/NALFA LF-01-2019)

NALFA (North American Laminate Flooring Association)

1747 Pennsylvania Avenue, NW, Suite 1000, Washington, DC 20006 | dgoch@wc-b.com, www.nalfa.com

BSR/NALFA LF-03-202x, Laminate Floor Underlayment - Specifications and Test Methods (revision of ANSI/NALFA LF-03-2019)

NALFA (North American Laminate Flooring Association)

1747 Pennsylvania Avenue, NW, Suite 1000, Washington, DC 20006 | dgoch@wc-b.com, www.nalfa.com

BSR/NALFA LF-04-202x, Laminate Flooring Mouldings Specifications and Test Methods (new standard)

NEMA (ASC C78) (National Electrical Manufacturers Association)

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

BSR C78.55-2020 (R202x), Electric Lamps - LED Lamp Specification Sheets for HID Replacement and Retrofit Applications (reaffirmation of ANSI C78.55-2020)

NEMA (ASC C78) (National Electrical Manufacturers Association)

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

BSR C78.79-2014 (S202x), Electric Lamps - Nomenclature for Envelope Shapes Intended for Use with Electric Lamps (stabilized maintenance of ANSI C78.79-2014 (R2020))

NEMA (ASC C78) (National Electrical Manufacturers Association)

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

BSR C78.375A-2014 (S202x), Electric Lamps - Fluorescent Lamps - Guide for Electrical Measures (stabilized maintenance of ANSI C78.375A-2014 (R2020))

NEMA (ASC C82) (National Electrical Manufacturers Association)

1812 N Moore Street, Arlington, VA 22209 | Connor.Grubbs@nema.org, www.nema.org

BSR C82.77-6-202X, Standard for Lighting Equipment - Temporal Light Artifacts (revision of ANSI C82.77-6-2023)

SERI (Sustainable Electronics Recycling International)

P.O. Box 721, Hastings, MN 55033 | Mike@SustainableElectronics.org, www.sustainableelectronics.org

BSR/SERI R2v3.2-202x, The Sustainable Electronics Reuse and Recycling (R2) Standard - Version 3.2 (revision of ANSI/SERI R2v3 (3.1)-2024)
Interest Categories: We are looking to add Consensus Body members from facilities processing electrical equipment, manufacturers of electrical equipment, and also those from organizations or industry associations that represent electrical equipment to bring balance to the Consensus Body for this revision of the R2 Standard.

ULSE (UL Standards & Engagement)

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

BSR/UL 61058-2-6-2020 (R202x), Standard for Safety for Switches for Appliances - Part 2-6: Particular Requirements for Switches Used In Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery (reaffirmation of ANSI/UL 61058-2-6-2020)

American National Standards (ANS) Announcements

Rescind ANS Approval

ASTM - ASTM International

ASTM E1020-2024

At the request of the ANSI-Accredited Standards Developer ASTM, the Dec 26, 2023 approval of ASTM E1020-2024, Practice for Reporting Incidents that May Involve Criminal or Civil Litigation as an American National Standard has been rescinded. Please direct any questions to: Laura Klineburger <accreditation@astm.org>

Rescind ANS Approval

ASTM - ASTM International

ASTM E3149-2024

At the request of the ANSI-Accredited Standards Developer ASTM, the Sep 10, 2024 approval of ASTM E3149-2024, Guide for Facial Image Comparison Feature List for Morphological Analysis as an American National Standard has been rescinded. Please direct any questions to: Laura Klineburger <accreditation@astm.org>

Rescind ANS Approval

ASTM - ASTM International

ASTM F3102-2024

At the request of the ANSI-Accredited Standards Developer ASTM, the Aug 20, 2024 approval of ASTM F3102-2024, Guide for Specifying, Measuring, and Managing Impact Attenuation of Synthetic Turf Playing Systems as an American National Standard has been rescinded. Please direct any questions to: Laura Klineburger <accreditation@astm.org>

American National Standards (ANS) Process

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

Where to find Procedures, Guidance, Interpretations and More…

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

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

www.ansi.org/essentialrequirements

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

www.ansi.org/standardsaction

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

www.ansi.org/sdoaccreditation

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

www.ansi.org/asd

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

www.ansi.org/asd

• American National Standards Key Steps:

www.ansi.org/anskeysteps

• American National Standards Value:

www.ansi.org/ansvalue

• ANS Web Forms for ANSI-Accredited Standards Developers:

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

• Information about standards Incorporated by Reference (IBR):

https://ibr.ansi.org/

• ANSI - Education and Training:

www.standardslearn.org

Accreditation Announcements (Standards Developers)

Approval of Reaccreditation – ASD

CfOC - Center for Offsite Construction, School of Architecture and Design, New York Institute of Technology

Effective March 28, 2025

The reaccreditation of **CfOC - Center for Offsite Construction, School of Architecture and Design, New York Institute of Technology** has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on CfOC-sponsored American National Standards, effective **March 28, 2025**. For additional information, please contact: Mathew Ford, Center for Offsite Construction, School of Architecture and Design, New York Institute of Technology (CfOC) | 1855 Broadway, New York, NY 10023 | (646) 273-6074, mford05@nyit.edu

Meeting Notices (Standards Developers)

ANSI Accredited Standards Developer

ASA - Acoustical Society of America Acoustics

Meeting Time: 5/6/2025 and 5/20/2025

2025 ASA Standards Spring Meeting Schedule

MAY

ASACOS and Steering meetings are being held virtually. For access via ZOOM, please contact Nancy A. Blair-DeLeon, ASA Standards Manager at nblairdeleon@acousticalsociety.org.

Meeting of ASACOS Steering Tuesday, 5/6/2025 - 11:00AM CST - Virtual via ZOOM

Meeting of ASACOS Tuesday, 5/6/2025 3:00PM CST - Virtual via ZOOM

ASA Plenary and Accredited Standards Committee meetings will be held in conjunction with the 188th Meeting of the Acoustical Society of America at the New Orleans Marriott Hotel, New Orleans LA. For more information, visit our website at https://asastandards.org/#meetings or email us at Standards@acousticalsociety.org.

ASA Standards Plenary Tuesday, 05/20/2025 7:00 AM CST -New Orleans, LA

ASC S12, Noise Tuesday, 05/20/2025 8:15 AM CST-New Orleans, LA

ASC S2, Mechanical Vibration and Shock Tuesday, 05/20/2025 9:30 AM CST -New Orleans, LA

ASC S3, Bioacoustics Tuesday, 05/20/2025 11:15AM CST - New Orleans, LA

ASC S3/SC1, Animal Bioacoustics Tuesday, 05/20/2025 12:30 PM CST - New Orleans, LA

ASC S1, Acoustics Tuesday, 05/20/2025 1:45 PM CST - New Orleans, LA

For inquiries please contact: Nancy Blair-DeLeon, Acoustical Society of America (ASA (ASC S1)) | 1305 Walt Whitman Road, Suite 110, Melville, NY 11747 | (516) 576-2341, standards@acousticalsociety.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)

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 the USNC/IEC team at ANSI's New York offices (usnc@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

Acoustics (TC 43)

ISO/DIS 9053-1, Acoustics - Determination of airflow resistance - Part 1: Static airflow method - 6/8/2025, $53.00

ISO/DIS 23351-2, Acoustics - Measurement of speech level reduction of furniture ensembles and enclosures - Part 2: Field method - 6/15/2025, $67.00

Agricultural food products (TC 34)

ISO 11290-1:2017/DAmd 1, - Amendment 1: Microbiology of the food chain - Horizontal method for the detection and enumeration of Listeria monocytogenes and of Listeria spp. - Part 1: Detection method - Amendment 1: Inclusion of storage of the samples before analysis and changes in the control strain for performance testing of culture media and reagents - 6/12/2025, $46.00

ISO 11290-2:2017/DAmd 1, - Amendment 1: Microbiology of the food chain - Horizontal method for the detection and enumeration of Listeria monocytogenes and of Listeria spp. - Part 2: Enumeration method - Amendment 1: Inclusion of storage of the samples before analysis and changes in the control strain for performance testing of culture media and reagents - 6/12/2025, $46.00

ISO/DIS 25166, Zhacai (pickled and squeezed vegetables) - Specification and test methods - 6/5/2025, $40.00

ISO/DIS 12966-4, Animal and vegetable fats and oils - Gas chromatography of fatty acid methyl esters - Part 4: Determination by capillary gas chromatography - 6/1/2025, $102.00

Aircraft and space vehicles (TC 20)

ISO/DIS 14620-1, Space systems - Safety requirements - Part 1: System safety - 6/5/2025, $107.00

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

ISO/DIS 10993-3, Biological evaluation of medical devices - Part 3: Evaluation of genotoxicity, carcinogenicity, reproductive toxicity, and developmental toxicity - 4/28/2025, $112.00

Building construction machinery and equipment (TC 195)

ISO/DIS 22142, Road operation machinery - Winter maintenance equipment - Terms, definitions and classification - 6/7/2025, $93.00

Cleaning equipment for air and other gases (TC 142)

IEC/DIS 63086-2-2,, $93.00

Compressors, pneumatic tools and pneumatic machines (TC 118)

ISO/DIS 17104.2, Rotary tools for threaded fasteners - Impulse and impulsing tools - Performance test method - 7/11/2024, $98.00

Energy management and energy savings (TC 301)

ISO/DIS 50100, Energy management systems and energy savings - Decarbonization - Requirements with guidance for use - 5/30/2025, $112.00

Environmental management (TC 207)

ISO/DIS 14025, Environmental statements and programmes for products - Environmental product declarations (EPDs) - 4/27/2025, $107.00

Fasteners (TC 2)

ISO/DIS 4027, Fasteners - Hexagon socket set screws with truncated cone point - 5/22/2025, $40.00

ISO/DIS 8742, Fasteners - Grooved pins - One-third-length center grooves - 6/19/2025, $46.00

Fire safety (TC 92)

ISO/DIS 5925, Smoke control door, shutter assemblies and self-closing glazed elements - Ambient- and medium-temperature leakage tests - 6/12/2025, $82.00

ISO/DIS 13571-1, Life-threatening components of fire - Part 1: Guidelines for the estimation of time to compromised tenability and escape capability from exposure to smoke toxicants - Method A - 6/13/2025, $119.00

ISO/DIS 13784-1, Reaction to fire test for sandwich panel building systems - Part 1: Small room test - 6/5/2025, $98.00

ISO/DIS 23693-3, Determination of the resistance to gas explosions of passive fire protection materials - Part 3: Tubular and I-section substrates subject to elastic deformation only - 6/15/2025, $71.00

Graphic technology (TC 130)

ISO/DIS 22067-2, Graphic technology - Requirements for communication of environmental aspects of printed products - Part 2: Print finishing - 6/2/2025, $93.00

Industrial automation systems and integration (TC 184)

ISO/DIS 8000-119, Data quality - Part 119: Application of ISO 8000-115 to transport unit identifiers - 6/2/2025, $40.00

Industrial trucks (TC 110)

ISO/DIS 13284, Industrial trucks - Fork arm extensions and telescopic fork arms - Technical characteristics and strength requirements - 6/8/2025, $53.00

Information and documentation (TC 46)

ISO/DIS 25964-1, Information and documentation - Thesauri and interoperability with other vocabularies - Part 1: Thesauri for information retrieval; management and use - 6/12/2025, $185.00

Lifts, escalators, passenger conveyors (TC 178)

ISO/DIS 8102-2, Electrical requirements for lifts, escalators and moving walks - Part 2: Electromagnetic compatibility with regard to immunity - 6/14/2025, $82.00

Light metals and their alloys (TC 79)

ISO/DIS 22233, Magnesium and magnesium alloys - Magnesium alloy die castings - 6/12/2025, $46.00

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

ISO/DIS 19008, Oil and gas industries including lower carbon energy - Standard cost coding system - 6/7/2025, $62.00

ISO/DIS 20815, Oil and gas industries including lower carbon energy - Production assurance and reliability management - 6/8/2025, $155.00

Mechanical vibration and shock (TC 108)

ISO/DIS 29821, Condition monitoring and diagnostics of machines - Ultrasound - General guidelines, procedures and validation - 6/2/2025, $82.00

Mining (TC 82)

ISO/DIS 21557, Mining - Mining methods - Classification and Specification - 6/5/2025, $112.00

ISO/DIS 22932-10, Mining - Vocabulary - Part 10: Haulage - 6/7/2025, $125.00

Natural gas (TC 193)

ISO/DIS 14532, Natural gas - Vocabulary - 6/8/2025, $82.00

Non-destructive testing (TC 135)

ISO/DIS 18173, Non-destructive testing - General terms and definitions - 6/16/2025, $33.00

Nuclear energy (TC 85)

ISO 7195:2020/DAmd 1, - Amendment 1: Nuclear energy - Packagings for the transport of uranium hexafluoride (UF6) - Amendment 1: Welded version and new type of valve for 1S and 2S cylinders - 5/9/2025, $58.00

Optics and optical instruments (TC 172)

ISO/DIS 11551, Optics and photonics - Lasers and laser-related equipment - Test method for absorptance of optical laser components - 6/15/2025, $71.00

ISO/DIS 11670, Lasers and laser-related equipment - Test methods for laser beam parameters - Beam spatial stability - 6/2/2025, $58.00

ISO/DIS 13694, Optics and photonics - Lasers and laser-related equipment - Test methods for laser beam irradiance (fluence) distribution - 5/11/2025, $71.00

ISO/DIS 10110-5, Optics and photonics - Preparation of drawings for optical elements and systems - Part 5: Surface form tolerances - 6/1/2025, $93.00

ISO/DIS 14999-4, Optics and photonics - Measurement of optical elements and optical systems - Part 4: Interpretation and evaluation of surface form and wavefront deformation tolerances specified in ISO 10110 - 6/1/2025, $102.00

ISO/DIS 18369-1, Ophthalmic optics - Contact lenses - Part 1: Vocabulary, classification system and recommendations for labelling specifications - 6/8/2025, $134.00

Paints and varnishes (TC 35)

ISO/DIS 11997-1, Paints and varnishes - Determination of resistance to cyclic corrosion conditions - Part 1: Wet (salt fog) /dry/humid - 6/2/2025, $62.00

Personal safety - Protective clothing and equipment (TC 94)

ISO/DIS 27065, Protective clothing - Performance requirements for protective garments worn by operators applying pesticides and for re-entry workers - 6/9/2025, $93.00

Petroleum products and lubricants (TC 28)

ISO/DIS 24966, Determination of flash point - Modified continuously closed cup flash point (MCCCFP) method - 6/9/2025, $67.00

ISO/DIS 37306, Liquid petroleum products - Determination of distillation characteristics at atmospheric pressure - Micro-distillation - 6/19/2025, $77.00

ISO/DIS 32662-1, Liquid petroleum products - Determination of total contamination - Part 1: Middle distillates and diesel fuels - 6/13/2025, $53.00

ISO/DIS 32662-2, Liquid petroleum products - Determination of total contamination - Part 2: Fatty acid methyl esters - 6/13/2025, $53.00

Pigments, dyestuffs and extenders (TC 256)

ISO/DIS 20427, Pigments and extenders - Dispersion procedure for sedimentation-based particle sizing of suspended pigment or extender with liquid sedimentation methods - 5/30/2025, $93.00

Plastics (TC 61)

ISO/DIS 179-1, Plastics - Determination of Charpy impact properties - Part 1: Non-instrumented impact test - 6/8/2025, $93.00

ISO/DIS 19374, Recycled carbon fibres - Designation system for recycled carbon fibres - 6/12/2025, $53.00

ISO/DIS 26603, Plastics - Aromatic isocyanates for use in the production of polyurethanes - Determination of total chlorine - 6/1/2025, $58.00

Project, programme and portfolio management (TC 258)

ISO/DIS 21508, Project, programme and portfolio management - Earned value management - 6/7/2025, $119.00

Railway applications (TC 269)

ISO/DIS 18379-1, Railway Infrastructure - Ballastless track - Part 1: General Requirements - 6/12/2025, $102.00

Road vehicles (TC 22)

ISO/DIS 23150-13, Road vehicles - Logical interface between sensors and data fusion unit for automated driving functions - Part 13: Camera specific interfaces - 6/7/2025, $112.00

ISO/SAE DIS 1979-3, Road vehicles - On-board diagnostic communication - Part 3: Zero emissions vehicle propulsion systems on UDS (ZEVonUDS) - 5/31/2025, $155.00

Rubber and rubber products (TC 45)

ISO/DIS 15825, Rubber compounding ingredients - Carbon black - Determination of aggregate size distribution by disc centrifuge photosedimentometry - 6/13/2025, $71.00

ISO/DIS 11193-1, Single-use medical examination gloves - Part 1: Specification for gloves made from rubber latex or rubber solution - 6/8/2025, $58.00

ISO/DIS 11193-2, Single-use medical examination gloves - Part 2: Specification for gloves made from poly(vinyl chloride) - 6/8/2025, $58.00

Soil quality (TC 190)

ISO/DIS 11277, Soil quality - Determination of particle size distribution in mineral soil material - Method by sieving and sedimentation - 6/16/2025, $107.00

Solar energy (TC 180)

ISO/DIS 24194, Solar energy - Collector fields - Check of performance - 6/7/2025, $119.00

Solid biofuels (TC 238)

ISO/DIS 17225-5, Solid biofuels - Fuel specifications and classes - Part 5: Graded firewood - 6/7/2025, $53.00

Steel (TC 17)

ISO/DIS 21224, Evaluation of Centreline Segregation of Continuously Cast Slabs - 6/7/2025, $71.00

Sustainable development in communities (TC 268)

ISO/DIS 16483, Sustainable mobility and transportation - Digital governance - Indicators - 6/8/2025, $93.00

ISO/DIS 37100, Sustainable cities and communities - Vocabulary - 6/13/2025, $71.00

ISO/DIS 37116, Sustainable cities and communities - Disaster risk finance - Principles and general requirements for financing ex-ante investment in risk reduction - 5/30/2025, $82.00

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

IEC/DIS 81346-14,, $82.00

Terminology (principles and coordination) (TC 37)

ISO/DIS 1951, Presentation of Lexicographic Entries in General Language Dictionaries - Fundamentals and Recommendations - 6/16/2025, $71.00

Textiles (TC 38)

ISO/DIS 6940, Textile fabrics - Burning behaviour - Determination of ease of ignition of vertically oriented specimens - 6/12/2025, $67.00

ISO/DIS 6941, Textile fabrics - Burning behaviour - Measurement of flame spread properties of vertically oriented specimens - 6/12/2025, $62.00

ISO/DIS 10047, Textiles - Determination of surface burning time of fabrics - 6/12/2025, $58.00

ISO/DIS 24953, Textiles - Determination for iodine isotope adsorption efficiency of activated carbon fibre - 5/19/2025, $71.00

IEC/DIS 63517,, $40.00

Tractors and machinery for agriculture and forestry (TC 23)

ISO/DIS 11785, Radio frequency identification of animals - Technical concept - 6/5/2025, $71.00

Traditional Chinese medicine (TC 249)

ISO/DIS 19611, Traditional Chinese medicine - Air extraction cupping device - 6/8/2025, $67.00

ISO/DIS 21314, Traditional Chinese medicine - Salvia miltiorrhiza root and rhizome - 6/19/2025, $67.00

ISO/DIS 21370, Traditional Chinese medicine - Dendrobium officinale stem - 6/5/2025, $62.00

ISO/DIS 22212, Traditional Chinese medicine - Gastrodia elata tuber - 5/31/2025, $71.00

Transfusion, infusion and injection equipment for medical use (TC 76)

ISO/DIS 15747, Plastic containers for intravenous injections - 6/5/2025, $77.00

Transport information and control systems (TC 204)

ISO/DIS 17387, Intelligent transport systems - Lane change decision aid systems (LCDAS) - Performance requirements and test procedures - 6/19/2025, $119.00

Water quality (TC 147)

ISO/DIS 13647, Water quality - Enumeration of culturable microorganisms - Colony count by spread plate inoculation on R2A medium - 4/27/2025, $58.00

ISO/DIS 14669, Water quality - Determination of acute lethal toxicity to marine copepods (Copepoda, Crustacea) - 6/12/2025, $71.00

ISO/DIS 22032, Water quality - Determination of polybrominated diphenyl ethers (PBDE) in sediment, suspended (particulate) matter and biota - Method using gas chromatography-tandem mass spectrometry or high resolution mass spectrometry (GC-MS/MS; HRMS) - 5/1/2025, $98.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 14443-4:2018/DAmd 3, - Amendment 3: Cards and security devices for personal identification - Contactless proximity objects - Part 4: Transmission protocol - Amendment 3: Relay attack protection mechanisms - 6/8/2025, $29.00

ISO/IEC DIS 15693-3, Cards and security devices for personal identification - Contactless vicinity objects - Part 3: Anticollision and transmission protocol - 6/8/2025, $134.00

ISO/IEC DIS 24931-1, Information Technology - Metaverse - Part 1: Concepts, definitions and terminology - 6/12/2025, $93.00

ISO/IEC DIS 25791-1, Information technology - OpenID Connect FAPI Security Profile 1.0 - Part 1: Baseline - 5/30/2025, $62.00

ISO/IEC DIS 25791-2, Information technology - OpenID Connect FAPI Security Profile 1.0 - Part 2: Advanced - 5/30/2025, $77.00

ISO/IEC DIS 25831-1, Information technology - OpenID connect - Identity assurance 1.0 - Part 1: General - 6/16/2025, $112.00

ISO/IEC DIS 25831-2, Information technology - OpenID connect - Identity assurance 1.0 - Part 2: Schema definition - 6/16/2025, $77.00

ISO/IEC DIS 30115-1, Information technology - Redfish scalable platforms management API specification - Part 1: Redfish Specification v1.13.0 - 6/16/2025, $194.00

ISO/IEC DIS 30115-2, Information technology - Redfish scalable platforms management API specification - Part 2: Redfish data model specification - 6/16/2025, $194.00

ISO/IEC DIS 9594-11, Information technology - Open systems interconnection directory - Part 11: Protocol specifications for secure operations - 6/13/2025, $165.00

IEC Standards

Automatic controls for household use (TC 72)

72/1480/CD, IEC 60730-1/AMD1/FRAG5 ED6: Fragment 5: Creepage Distances, 06/20/2025

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

46F/701(F)/FDIS, IEC 61169-1-9 ED1: Radio-frequency connectors - Part 1-9: Mechanical test methods - Safety wire hole pull-out, 04/18/2025

Electric traction equipment (TC 9)

9/3207/FDIS, IEC 62278-1 ED1: Railway applications - Specification and demonstration of reliability, availability, maintainability and safety (RAMS) - Part 1: Generic RAMS process, 05/09/2025

9/3208/FDIS, IEC 62278-2 ED1: Railway applications - Specification and demonstration of reliability, availability, maintainability and safety (RAMS) - Part 2: Systems approach to safety, 05/09/2025

Electrical accessories (TC 23)

23/1154/CD, IEC 63172/AMD1 ED1: Amendment 1 - Electrical accessories - Methodology for determining the energy efficiency class of electrical accessories, 05/23/2025

Electrical apparatus for explosive atmospheres (TC 31)

31/1858(F)/FDIS, IEC 60079-18 ED5: Explosive atmospheres - Part 18: Equipment protection by encapsulation "m", 04/11/2025

Electroacoustics (TC 29)

29/1201/NP, PNW 29-1201 ED1: Electroacoustics - Simulators of human head and ear - Part 9: Full-audio-band anthropometric pinna and ear simulator, 06/20/2025

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

104/1105/NP, PNW 104-1105 ED1: Environmental testing - Part 3-16: Supporting documentation and guidance - Selecting amongst shock tests, 05/23/2025

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

112/679(F)/FDIS, IEC 60112 ED6: Method for the determination of the proof and the comparative tracking indices of solid insulating materials, 04/18/2025

Fibre optics (TC 86)

86B/5037/FDIS, IEC 63267-3-81 ED1: Fibre optic interconnecting devices and passive components - Connector optical interfaces for enhanced Macro bend multimode fibre - Part 3-81: Connector parameters of physically contacting 50 µm core diameter fibres - Non-angled polyphenylene sulphide rectangular ferrules with a single row of 12, 8, 4, or 2 fibres for reference connector applications, 05/09/2025

Fuel Cell Technologies (TC 105)

105/1113/FDIS, IEC 63341-3 ED1: Railway applications - Fuel cell systems for rolling stock - Part 3: Performance test methods for fuel cell power system, 05/09/2025

Industrial-process measurement and control (TC 65)

65E/1164/CD, IEC 62337 ED3: Commissioning of electrical, instrumentation and control systems in the process industry - Specific phases and milestones, 05/23/2025

65/1125/CD, IEC TS 63069 ED1: Framework for safety and security, 05/23/2025

65/1126/NP, PNW 65-1126 ED1: Application function blocks and logic diagrams for Upstream Oil & Gas processes - System Control Diagrams - Part 3: Application Function Blocks, 05/23/2025

65/1127/NP, PNW 65-1127 ED1: Application function blocks and logic diagrams for Upstream Oil & Gas processes - System Control Diagrams - Part 2: Diagram symbols and drawing principles, 05/23/2025

Lamps and related equipment (TC 34)

34D/1775/CD, IEC 60598-2-10 ED3: Luminaires - Part 2-10: Particular requirements - Portable luminaires for children, 06/20/2025

34A/2442/CDV, IEC 62031 ED3: LED modules - Safety requirements, 05/23/2025

Measuring equipment for electromagnetic quantities (TC 85)

85/955/CD, IEC 62586-1 ED3: Power quality measurement in power supply systems - Part 1: Power quality instruments (PQI), 05/23/2025

Performance of household electrical appliances (TC 59)

59A/272(F)/FDIS, IEC 60704-2-3 ED4: Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-3: Particular requirements for dishwashers, 04/25/2025

Power electronics (TC 22)

22E/288(F)/FDIS, IEC 62909-1 ED2: Bi-directional grid-connected power converters - Part 1: General and safety requirements, 04/25/2025

Rotating machinery (TC 2)

2/2235/FDIS, IEC 60034-30-1 ED2: Rotating electrical machines - Part 30-1: Efficiency classes of line operated AC motors (IE code), 05/09/2025

Safety of machinery - Electrotechnical aspects (TC 44)

44/1058/CDV, IEC 62061/AMD2 ED2: Amendment 2 - Safety of machinery - Functional safety of safety-related control systems, 06/20/2025

Safety of measuring, control, and laboratory equipment (TC 66)

66/846/CD, IEC 61010-2-011 ED3: Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-011: Particular requirements for refrigerating equipment, 05/23/2025

66/847/CD, IEC 61010-2-012 ED3: Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-012: Particular requirements for climatic and environmental testing and other temperature conditioning equipment, 05/23/2025

Solar photovoltaic energy systems (TC 82)

82/2364/CDV, IEC 62446-1 ED2: Photovoltaic (PV) systems - Requirements for testing, documentation and maintenance - Part 1: Grid connected systems - Documentation, commissioning tests and inspection, 06/20/2025

Surge arresters (TC 37)

37A/427(F)/FDIS, IEC 61643-11 ED2: Low-voltage surge protective devices - Part 11: Surge protective devices connected to AC low-voltage power systems - Requirements and test methods, 04/18/2025

(TC)

SyCSmartEnergy/294/NP, PNW TS SYCSMARTENERGY-294 ED1: SRD- Service Scenarios of Renewable Energy Resource Aggregation Business, 06/20/2025

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

Building construction machinery and equipment (TC 195)

ISO 18650-2:2025, Building construction machinery and equipment - Concrete mixers - Part 2: Procedure for examination of mixing efficiency, $172.00

Earth-moving machinery (TC 127)

ISO 7334:2025, Earth-moving machinery - Vocabulary and taxonomy for automation and autonomy, $127.00

Essential oils (TC 54)

ISO 24255:2025, Essential oil of clary sage (Salvia sclarea L.) prewilted French type and chopped French type, $84.00

Fireworks (TC 264)

ISO 22863-14:2025, Fireworks - Test methods for determination of specific chemical substances - Part 14: Qualitative identification of perchlorates, $56.00

ISO 22863-15:2025, Fireworks - Test methods for determination of specific chemical substances - Part 15: Qualitative identification of nitrates, $56.00

Information and documentation (TC 46)

ISO 30302:2022/Amd 1:2025, - Amendment 1: Information and documentation - Management systems for records - Guidelines for implementation - Amendment 1: Non conformities, corrective actions and climate change requirements, $23.00

Light metals and their alloys (TC 79)

ISO 6362-6:2025, Wrought aluminium and aluminium alloys - Extruded rods/bars, tubes and profiles - Part 6: Tolerances on form and dimensions for round, square, rectangular and hexagonal tubes, $127.00

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

ISO 24201:2025, Oil and gas industries including lower carbon energy - Tertiary outfitting structures, $287.00

Optics and optical instruments (TC 172)

ISO 10110-11:2025, Optics and photonics - Preparation of drawings for optical elements and systems - Part 11: Non-toleranced data, $56.00

Plastics (TC 61)

ISO 4907-4:2025, Plastics - Ion exchange resin - Part 4: Determination of particle size by laser diffraction method, $56.00

Road vehicles (TC 22)

ISO 6518-1:2025, Road vehicles - Ignition systems - Part 1: Vocabulary, $84.00

ISO/PAS 23735:2025, Road vehicles - Ergonomic design guidance for external visual communication from automated vehicles to other road users, $259.00

Timber (TC 218)

ISO 13061-16:2025, Physical and mechanical properties of wood - Test methods for small clear wood specimens - Part 16: Determination of volumetric swelling, $56.00

Transfusion, infusion and injection equipment for medical use (TC 76)

ISO 8536-6:2025, Infusion equipment for medical use - Part 6: Freeze drying closures for infusion bottles, $127.00

ISO Technical Reports

Transport information and control systems (TC 204)

ISO/TR 24856:2025, Intelligent transport systems - Mobility integration - Role model of the human-centric predictive risk information provisioning service, $172.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 29158:2025, Automatic identification and data capture techniques - Bar code symbol quality test specification - Direct part mark (DPM), $201.00

ISO/IEC 19566-5:2023/Amd 1:2025, - Amendment 1: Information technologies - JPEG systems - Part 5: JPEG universal metadata box format (JUMBF) - Amendment 1: JUMBF box compression and standalone JUMBF files, $23.00

ISO/IEC 19566-6:2019/Amd 2:2025, - Amendment 2: Information technologies - JPEG systems - Part 6: JPEG 360 - Amendment 2: Revision to the equirectangular projection constraints, $23.00

ISO/IEC 19566-8:2023/Amd 1:2025, - Amendment 1: Information technologies - JPEG systems - Part 8: JPEG Snack - Amendment 1: Revision of JPEG Snack content boxes, $23.00

ISO/IEC/IEEE 8802-1Q:2024/Amd 37:2025, - Amendment 3: Telecommunications and exchange between information technology systems - Requirements for local and metropolitan area networks - Part 1Q: Bridges and bridged networks - Amendment 37: Automatic Attachment to Provider Backbone Bridging (PBB) Services, $287.00

IEC Standards

Electrical accessories (TC 23)

IEC 60884-2-8 Ed. 1.0 en:2025, Plugs and socket-outlets for household and similar purposes - Part 2-8: Particular requirements for socket-outlets for furniture, $322.00

Other

IEC SRD 63302-1 Ed. 1.0 en:2025, Smart city use case collection and analysis - Intelligent operations centre for smart cities - Part 1: High-level analysis, $496.00

Safety of household and similar electrical appliances (TC 61)

IEC 60335-2-118 Ed. 2.0 b:2025, Household and similar electrical appliances - Safety - Part 2-118: Particular requirements for professional ice-cream makers, $470.00

IEC 60335-2-118 Ed. 2.0 en:2025 EXV, Household and similar electrical appliances - Safety - Part 2-118: Particular requirements for professional ice-cream makers, $1029.00

S+ IEC 60335-2-118 Ed. 2.0 en:2025 (Redline version), Household and similar electrical appliances - Safety - Part 2 -118: Particular requirements for professional ice-cream makers, $800.00

S+ IEC 60335-2-118-EXV-RLV Ed. 2.0 en:2025 (Redline version), Household and similar electrical appliances - Safety - Part 2 -118: Particular requirements for professional ice-cream makers, $1668.00

International Electrotechnical Commission (IEC)

Call for Members (USNC)

USNC TAG to IEC/SC 77C

The USNC Technical Advisory Group (TAG) to IEC/SC 77C would like to grow its membership. **Individuals who are interested in joining the USNC TAG to IEC/SC 77C, are invited to contact Betty Barro at bbarro@ansi.org as soon as possible.**

Please see the scope for **the IEC/ SC 77C** below:

Scope: **SC 77C - High power transient phenomena**

"Standardization in the field of electromagnetic compatibility to protect equipment, systems and installations from intense but infrequent high power transient phenomena including: the electromagnetic fields produced by nuclear detonations at high altitude (High Altitude Electromagnetic Pulse (HEMP)); sources of Intentional Electromagnetic Interference (EMI); and Geomagnetically Induced Currents (GIC) from solar activity. Lightning and other transient phenomena are excluded from the scope of SC 77C."

International Organization for Standardization (ISO)

Call for U.S. TAG Administrator

ISO/TC 154 – Processes, data elements and documents in commerce, industry and administration

Response Deadline: April 18, 2025

ANSI has been informed that Open Applications Group, Inc. (OAGI), the ANSI-accredited U.S. TAG Administrator for ISO/TC 154, wishes to relinquish their role as U.S. TAG Administrator.

ISO/TC 154 operates under the following scope:

International standardization and registration of business, and administration processes and supporting data used for information interchange between and within individual organizations and support for standardization activities in the field of industrial data.
Development and maintenance of application specific meta standards for:
· *process specification (in the absence of development by other technical committees);*
· *data specification with content;*
· *forms-layout (paper / electronic).*
Development and maintenance of standards for
· *process identification (in the absence of development by other technical committees);*
· *data identification.*
Maintenance of the EDIFACT-Syntax.

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).

Registration of Organization Names in the United States

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

Public Review

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

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

Proposed Foreign Government Regulations

Call for Comment

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

Online Resources:
WTO's ePing SPS&TBT platform: https://epingalert.org/
Register for ePing: https://epingalert.org/en/Account/Registration
WTO committee on Agriculture, Sanitary and Phytosanitary (SPS) measures:
https://www.wto.org/english/tratop_e/sps_e/sps_e.htm
WTO Committee on Technical Barriers to Trade (TBT): https://www.wto.org/english/tratop_e/tbt_e/tbt_e.htm
USA TBT Enquiry Point: https://www.nist.gov/standardsgov/usa-wto-tbt-enquiry-point
Comment guidance:
https://www.nist.gov/standardsgov/guidance-us-stakeholders-commenting-notifications-made-wto-members-tbt-committee
NIST: https://www.nist.gov/
TANC: https://www.trade.gov/office-trade-agreements-negotiation-and-compliance-tanc
Examples of TBTs: https://tcc.export.gov/report_a_barrier/trade_barrier_examples/index.asp.
Report Trade Barriers: https://tcc.export.gov/Report_a_Barrier/index.asp.
USDA FAS: https://www.fas.usda.gov/about-fas
FAS contribution to free trade agreements: https://www.fas.usda.gov/topics/trade-policy/trade-agreements
Tracking regulatory changes: https://www.fas.usda.gov/tracking-regulatory-changes-wto-members
USTR WAMA: https://ustr.gov/trade-agreements/wto-multilateral-affairs/wto-issues/technical-barriers-trade
Contact the USA TBT Enquiry Point at (301) 975-2918; E usatbtep@nist.gov or notifyus@nist.gov.

BSR/ASHRAE Addendum w
to ANSI/ASHRAE Standard 62.2-2022

Public Review Draft

Proposed Addendum w to Standard 62.2-2022, Ventilation and Acceptable Indoor Air Quality in Residential Buildings

First Public Review (March 2025)
(Draft shows Proposed Changes to Current Standard)

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

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

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ASHRAE, 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 the references in the standard.

[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 w to 62.2-2022

Revise Section 10 as shown below.

10. REFERENCES

		Section
Air-Conditioning, Heating, and Refrigeration Institute (AHRI) 2311 Wilson Blvd, Suite 400 Arlington, VA 22201 (703) 524-880; www.ahrinet.org		
AHRI 680 ~~(2017)~~ 2015(R2023)	Performance Rating of Residential Air Filter Equipment	4.1.4.2.1, Table 4-3
Air Movement and Control Association (AMCA) International 30 West University Drive Arlington Heights, IL 60004 (847) 394-0150; www.amca.org		
ANSI/AMCA Standard 300 (20~~14~~24)	Reverberant Room Method for Sound Testing of Fans	7.1
ASHRAE 180 Technology Pkwy. Peachtree Corners, GA 30092 (800) 527- 4723; www.ashrae.org		
ANSI/ASHRAE Standard 51/ AMCA Standard 210 (2016)	Laboratory Methods of Testing Fans for Aerodynamic Performance Rating	7.1
ANSI/ASHRAE Standard 52.2 (2017)	Method of Testing General Ventilation Air-Cleaning Devices for Removal Efficiency by Particle Size	4.1.4.2.1, Table 4-2, 6.7
ANSI/ASHRAE Standard 62.1-~~2019~~2022	Ventilation for Acceptable Indoor Air Quality	3.1
ASTM International 100 Barr Harbor Drive P.O. Box C700 West Conshohocken, PA 19428-2959 (610) 832-9500		

ANSI/ASTM E283-04 (2012)	Standard Test Method for Determining Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen	3.1
ANSI/ASTM E779 (2010) (Reapproved 201~~8~~9)	Standard Test Method for Determining Air Leakage Rate by Fan Pressurization	4.1.2.2, C2.2.2
ANSI/ASTM E1554/E1554M (2013) (Reapproved 2018)	Standard Test Methods for Determining External Air Leakage of Air Distribution Systems by Fan Pressurization	6.1.3
ANSI/ASTM E1827 (2011) (Reapproved 2017)	Standard Test Methods for Determining Airtightness of Buildings Using an Orifice Blower Door	4.1.2.1
ANSI/ASTM E2178 (20~~13~~21)	Standard Test Method for Air Permeance of Building Materials	3.1
Building Performance Institute (BPI) Saratoga Technology + Energy Park 107 Hermes Road Suite 210 Malta, New York 12020 (877) 274-1274; www.bpi.org		
ANSI/BPI-1200-S (2015) (Reapproved 2017)	Standard Practice for Basic Analysis of Buildings	6.4.2
California Energy Commission (CEC) ~~1516 Ninth Street~~ 715 P Street Sacramento, CA 95814 (800) 555-7794; www.energy.ca.gov		
~~CEC-400-2015-038-CMF~~ CEC-400-2022-010-AP	California Building Energy Efficiency Standards (20~~16~~22), Residential Appendix RA3.1	6.1.3

		Section
Canadian General Standards Board (CGSB) Public Services and Procurement Canada 11 Laurier Street, Phase III, Place du Portage Gatineau, Quebec K1A 0S5 Canada (800) 926-9105; www.tpsgc-pwgsc.gc.ca		
CAN/CGSB 149.10-~~M86-~~2024	Determination for the Airtightness of Building Envelopes by the Fan Depressurization Method	4.1.2.2, C2.2.2
Home Ventilating Institute (HVI) 1740 Dell Range Blvd., Ste. H, PMB 450 Cheyenne, WY 82009 (855) 484-8368; www.hvi.org		
HVI 915 (20~~15~~25)	Loudness Testing and Rating Procedure	7.1
HVI 916 (20~~15~~25)	Air Flow Test Procedure	7.1
HVI 920 (20~~20~~24)	Product Performance Certification Procedure Including Verification and Challenge	7.1
International Organization for Standardization (ISO) Ch. de Blandonnet 8, CP 401 CH-1214 Vernier, Geneva, Switzerland +41 22 749 01 11; www.iso.org		
ISO/IEC 17065:2012	Conformity Assessment—Requirements for Bodies Certifying Products, Processes and Services	7.1

ISO/IEC 17011:2017	Conformity Assessment—Requirements for Accreditation Bodies Accrediting Conformity Assessment Bodies	7.1
Nation Association of Home Builders (NAHB) 1201 15th Street NW Washington, DC 20005 (800) 368-5242; www.nahb.org		
ANSI/NAHB Z765 (20~~03~~20)	Square Footage—Method for Calculating	3.1
National Fire Protection Association (NFPA) 1 Batterymarch Park Quincy, Massachusetts 02169-7471 (800) 344-3555; www.nfpa.org		
NFPA 31 (20~~16~~24)	Standard for the Installation of Oil-Burning Equipment	6.4.1
NFPA 54/ANSI Z223.1 (20~~18~~24)	National Fuel Gas Code	6.4.1, 6.6
NFPA 211 (20~~16~~24)	Standard for Chimneys, Fireplaces, Vents, and Solid-Fuel Burning Appliances	6.4.1
NFPA 72 (20~~19~~25)	National Fire Alarm and Signaling Code	6.8
Residential Energy Services Network (RESNET) Oceanside, CA (760) 806-3448; www.resnet.us		
ANSI/RESNET/ICC Standard 380 (20~~16~~22)	Standard for Testing Airtightness of Building Enclosures, Airtightness of Heating and Cooling Air Distribution Systems, and Airflow of Mechanical Ventilation Systems	4.1.2.1, 6.1.1

Revise Informative Appendix D a shown below.

(This appendix 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.)

INFORMATIVE APPENDIX D
INFORMATIVE REFERENCES

		Section
ASHRAE 180 Technology Pkwy. Peachtree Corners, GA 30092 (800) 527-4723; www.ashrae.org		
ASHRAE RP-1663	Residential Indoor Air Quality Guide: Best Practices for Acquisition, Design, Construction, Maintenance and Operation	Foreword
ANSI/ASHRAE Standard 55-202~~1~~3	Thermal Environmental Conditions for Human Occupancy	2.1

BSR/ASHRAE Addendum a
to ANSI/ASHRAE Standard 15.2-2024

Second Public Review Draft

Proposed Addendum a to Standard 15.2-2024, Safety Standard for Refrigeration Systems in Residential Applications

Second Public Review (April 2025)
(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 modifying Section 8 by eliminating one of the options for field applied joints, 8.2.5.1.c. The committee determined that Option c did not have the requirements for compliance delineated, and the committee wanted all field joints to be either brazed or to be a mechanical joint in compliance with UL 207 This ISC modifies option b to add ISO 14903 as alternate standard for listing joints and adds ISO 14903 the normative references.

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.

Addendum a to Standard 15.2-2024

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

[…]

8.5.2.1 **Field Applied Joints.** Where a *refrigeration system* is installed with field-applied joints indoors, the joints *shall* be one of the following and *shall* meet the provisions of Section 8, "*Piping* Requirements," and tested per the requirements of Section 10.5, "*Refrigerant Piping* System Test":

[…]

b. Mechanical joints *listed* and installed in compliance with UL 207[6] or ISO 14903[32].

[…]

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

13. NORMATIVE REFERENCES

[…]

32. International Organization for Standardization. 2025. ISO 14903:2025 - Refrigerating systems and heat pumps - Qualification of tightness of components and joints.

BSR/ASHRAE Addendum *a* to
ANSI/ASHRAE Standard 185.1-2020

Public Review Draft

Proposed Addendum *a* to Standard 185.1-2020, Method of Testing UV-C Lights for Use in Air-Handling Units or Air Ducts to Inactivate Airborne Microorganisms

First Public Review (April 2025)
(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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ASHRAE, 180 Technology Parkway NW, Peachtree Corners, GA 30092

PROPOSED ADDENDUM A TO ANSI/ASHRAE STANDARD 185.1-2020
Method of Testing UV-C Lights for Use in Air-Handling Units or Air Ducts to Inactivate Airborne Microorganisms

FOREWORD TO THE ADDENDUM
ASHRAE Standard 241-2023: *Control of Infectious Aerosols* requires that air cleaners, except those using only mechanical, fibrous filters, have laboratory testing results for effectiveness against MS2 to be included for use when Infection Risk Management Mode (IRMM) is implemented. For single-pass UV-C lights mounted in air-handling units or air ducts, ANSI/ASHRAE Standard 185.1 needs to include MS2 as an option for testing. This addendum adds an optional MS2 test for these UV-C systems so Standard 185.1 results can be used directly under the requirements of Standard 241.

PROPOSED CHANGES
[Add the following text as a new paragraph to the end of the Foreword:]

This test method is incorporated into ASHRAE Standard 241: *Control of Infectious Aerosols* by reference. Under the requirements of Standard 241, the effectiveness of UV-C systems installed in air-handling units can be determined using this method with bacteriophage MS2 as the challenge organism. For the purposes of Standard 241, only testing with MS2 is required. Testing with only MS2 will result in a non-standard test under this method but will provide results that can be used to meet Standard 241 requirements.

[Make changes to Section 6.1.1 as follows]

6.1.1 Test Organisms. The bioaerosol tests will be conducted using two organisms, covering the range of reasonable interest for UV-C device applications. The first organism to be used in the test is *Mycobacterium parafortuitum* (ATCC® 19686), and the second organism is *Aspergillus sydowii* (ATCC® 36542).

Informative Note 1: *Mycobacterium parafortuitum* is a nonmotile, rod-shaped bacterium 2 to 4 µm long (Wayne and Kubica 1986). It grows rapidly on standard bacterial culture media and produces smooth, pale yellow colonies that disperse readily in water. *Aspergillus sydowii* is 2 µm in diameter and is utilized as the surrogate for fungi. These test organisms have been used in prior studies of UV-C radiation (Grinshpun et al. 2003; Kujundzic et al. 2007; VanOsdell and Foarde 2002; Xu et al. 2003, 2005).

Informative Note 2: See Normative Appendix A for the option of testing with MS2 for ASHRAE Standard 241 use.

[Add New Normative Appendix A]

Note: Adding this appendix will require re-lettering Informative Appendices A-I to new Informative Appendices B-J in the table of contents, throughout the text of the standard, and in the appendices themselves.

(This is a normative appendix and is part of this standard.)

NORMATIVE APPENDIX A
OPTIONAL 185.1 MS2 TEST FOR STANDARD 241 COMPLIANCE

1. All requirements of Standard 185.1 shall be met for every MS2 test performed to meet requirements of Standard 241 except as follows:

1.1 The test organisms of the regular test under this standard shall be replaced with MS2 (ATCC 15597-B1).
1.2 Testing laboratories shall follow their appropriate standard operating procedures for sampling and analyzing MS2.
1.3 The final test report shall be labeled "ASHRAE 185.1: Optional MS2 Test for Standard 241 Compliance."
1.4 The final test report shall list MS2 as the challenge organism and shall include a description of the technique used to cultivate, generate, sample, and analyze for reductions in MS2 concentrations resulting from UV exposure.
1.5 The final test report shall report MS2 in plaque forming units (PFUs) instead of colony forming units (CFUs).

BSR/ASHRAE Addendum b
to ANSI/ASHRAE Standard 15.2-2024

First Public Review Draft

Proposed Addendum b to Standard 15.2-2024, Safety Standard for Refrigeration Systems in Residential Applications

First Public Review (April 2025)
(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 addendum proposes modifications to require a leak detection system to be part of a refrigeration system installed in a room where open flame appliances are present. This is needed because currently ASHRAE 15.2 only addresses open flames in the ducts of flammable refrigerating systems per clause 5.4. It does not address the potential hazard of other appliances with open flames within a space where a flammable refrigerant may be present.

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.

Addendum b to Standard 15.2-2024

Modify Section 4, 7 and 13 as follows. The remainder of these Sections remain unchanged.

4. DEFINITIONS

[...]

equipment: all control devices, condensing sections, evaporator sections, combination appliances, and other components of *fixed refrigeration systems.* ~~that are integrated to provide control of environmental conditions for buildings.~~

***fixed refrigeration system*:** a type of refrigeration system that is intended to be used while fastened to a support or while secured in a specific location.

***fixed open-flame-producing appliance*:** an appliance that intentionally produces an open-flame by drawing air for combustion from the indoor space and is intended to be used while fastened to a support or while secured in a specific location.

[...]

7.2* A2L Refrigeration Systems in Spaces with Open Flames. A2L *refrigeration systems* installed within a *space* containing *fixed open-flame-producing appliances,* other than water heaters listed to CSA/ANSI Z21.10.1[32], shall have an *integral leak detection system.*

Exceptions to 7.2:

1. *Ductless HVAC* systems and *heat-pump water heaters* installed 10 feet or greater away from *fixed open-flame-producing appliances.*
2. Spaces using the two permanent opening method as specified in the National Fuel Gas Code ® [33] (NFPA 54) for combustion air to the *fixed open-flame-producing appliance.*

[...]

13. NORMATIVE REFERENCES

32. CSA/ANSI. 2019. CSA/ANSI Z21.10.1, Gas water heaters, volume I, storage water heaters with input ratings of 75,000 Btu per hour or less

33. NFPA. 2024. NFPA 54, National Fuel Gas Code

[...]

INFORMATIVE APPENDIX A
EXPLANATORY MATERIAL

Section 7.2

This requirement only applies to the refrigeration system as defined by this standard and does not extend to ducts or plenums.

Examples of fixed open-flame-producing appliances are fireplaces, stoves, gas cooktops, gas ranges, boilers, central furnaces, and gas unit heaters. They may be fixed by fastening or secured in place by connection to piping or venting.

The requirement does not apply to water heaters listed to CSA/ANSI Z21.10.1[32] because these gas fired storage water heaters are tested for flammable vapors and are designed with flame arrest construction.

The exemption for spaces using the two permanent opening method is found within NFPA 54[33] is based on the code requirement that air for combustion must comply with one of the approved methods. The two permanent opening method requires an opening within 12 inches of the top and 12 inches of the bottom of the space. These communicate with larger indoor spaces calculated in accordance with NFPA 54 or outdoors either directly or through approved horizontal ducts.

BSR/ASHRAE Addendum c
to ANSI/ASHRAE Standard 15.2-2024

First Public Review Draft

Proposed Addendum c to Standard 15.2-2024, Safety Standard for Refrigeration Systems in Residential Applications

First Public Review (April 2025)
(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

Addendum c was developed to address requirements for installation of refrigeration systems used in combined air and water conditioning applications.

Informative Note: In this addendum, changes to the current standard are indicated in the text by underlining (for additions) and ~~strikethrough~~ (for deletions) unless the instructions specifically mention some other means of indicating the changes.

Addendum c to Standard 15.2-2024

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

[. . .]

integrated air and water systems: a *refrigeration system* that has more than one indoor unit to provide both space conditioning as well as water heating or cooling.

[. . .]

Modify Section 9 as follows. The remainder of Section 9 remains unchanged.

[. . .]

9.4.1 ~~HVAC~~ Refrigeration Systems with More than One Indoor Unit. The *dispersal volume* for each indoor unit of a ~~HVAC~~ *refrigeration system shall* be calculated. The smallest *shall* be the *dispersal volume* used to calculate *maximum refrigerant charge* per the requirements of Section 9.5.

9.4.3.6 Integrated Air and Water Systems. The dispersal height of each indoor unit for *integrated air and water systems shall* be calculated separately in accordance with 9.4.3.2, 9.4.3.3, 9.4.3.4, or 9.4.3.5.

[. . .]

Modify Section 10 as follows. The remainder of Section 10 remains unchanged.

[. . .]

10.1.1 Installation of ~~*refrigerant*~~ *refrigeration systems* shall be in accordance with this section. *Refrigerant piping systems* erected in the field *shall* be in accordance with Section 8 and tested in accordance with Section 10.5.

[. . .]

BSR/ASHRAE Addendum d
to ANSI/ASHRAE Standard 15-2024

Second Public Review Draft

Proposed Addendum d to Standard 15-2024, Safety Standard for Refrigeration Systems

Second Public Review (April 2025)
(Draft shows Proposed Independent Substantive Changes to Previous Public Review Draft)

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 to ANSI/ASHRAE Standard 15-2024 addresses changes of refrigerant to existing refrigeration systems, whether for changes within the same refrigerant safety group or to a different refrigerant safety group. The modifications apply to Sections 5.3, 7.6.2, 7.7.3, Informative Appendix A, and a new Informative Appendix H that provides guidelines for retrofit of certain types of refrigeration systems.

This proposed change clarifies requirements for refrigeration systems retrofitted or recommissioned with a new refrigerant designation. When the new refrigerant is classified (by ASHRAE Standard 34) in a different safety group than the original refrigerant, the equipment must meet the requirements of this standard for a new installation, with some provisions to address the listing requirements. For example, changing from safety group A1 to safety group A2L, A2, or A3 will require modifications such as refrigerant leak detection and mitigation (where applicable), as specified in UL/CSA 60335-2-89 2nd edition (2021) or UL/CSA 60335-2-40 4th edition (2022). The change of refrigerant to a new safety group will be required to be evaluated by a National Recognized Testing Laboratory (NTRL) or be approved by the Authority Having Jurisdiction (AHJ).

Note: This public review draft of addendum d makes proposed independent substantiative changes to the previous public review draft. These substantive changes to the previous public review draft are indicated by blue-colored text with double-underlining (for additions) and red-colored text with ~~strikethrough~~ (for deletions), except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the current standard shown in blue or red text 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 d to Standard 15-2024

Modify Section 7 as follows. The remainder of Section 7 remains unchanged.

7. RESTRICTIONS ON REFRIGERANT USE

[…]

7.6* High-Probability Air Conditioners, Heat Pumps, and Dehumidifiers Using Group A2L Refrigerants.

[…]

7.6.2 Listing and Installation Requirements. *Refrigeration systems*, other than those serving *industrial occupancies*, *shall* be *listed* in accordance with UL 484 [11] or UL 60335-2-40 [5] /CSA C22.2 No. 60335-2-40 [6]. ~~The~~ Each *refrigeration system shall* be installed in accordance with Sections 7.6.2.1 through 7.6.2.5, the listing, the *manufacturer*'s instructions, and any markings on the equipment restricting the installation.

Exception~~s~~ to 7.6.2:

~~1. These requirements do not apply to *industrial occupancies*.~~

~~2.~~ Where changing *refrigerant* in accordance with Section 5.3, the existing *refrigeration system shall not* be required, after the change of *refrigerant*, to be *listed* in accordance with UL 484 [11] or UL 60335-2-40 [5]/CSA C22.2 No. 60335-2-40 [6].

[…]

7.7* High-Probability Commercial Refrigeration Systems Using Group A2L Refrigerants.

[…]

7.7.3 Listing and Installation Requirements. *Refrigeration systems*, other than those serving *industrial occupancies*, *shall* be *listed* ~~to~~in accordance with UL 60335-2-89 [7]/CSA C22.2 No. 60335-2-

89 [8], ~~and~~ Each *refrigeration system* *shall* be installed in accordance with Sections 7.7.3.1 through 7.7.3.4, the listing, ~~and~~the *manufacturer*'s instructions, and any markings on the equipment restricting the installation.

Exception~~s~~ to 7.7.3:

~~1. These requirements do not apply to *industrial occupancies*.~~

~~2.~~ Where changing *refrigerant* in accordance with Section 5.3, the existing *refrigeration system shall not* be required, after the change of *refrigerant*, to be *listed* in accordance with UL 60335-2-89 [7]/CSA C22.2 No. 60335-2-89 [8].

[…]

Note to Reviewer: The following content shows a clean copy of how modified sections of this standard would appear after incorporating updates from the 2022 to 2024 edition, and the net effect of accepted changes from PPR1 and the associated approved comment responses. This includes items that are not independent substantive changes, and that are not open for review.

Modify Section 5 as follows. The remainder of Section 5 remains unchanged.

5. REFRIGERATING SYSTEM CLASSIFICATION

[…]

5.3 Changing Refrigerant. […]

[…]

5.3.3* Where the replacement *refrigerant* is classified into the same safety group, requirements that were applicable to the existing system *shall* continue to apply.

5.3.4* Where the replacement *refrigerant* is classified into a different safety group, existing listing mark(s) *shall* be removed and the retrofitted *refrigeration system shall* comply with the requirements of this standard for a new installation, and written instructions provided by one of the following:

a. The original equipment *manufacturer*.

b. A registered design professional.

c. A *nationally recognized testing laboratory*.

The change of *refrigerant shall* require a field evaluation by a *nationally recognized testing laboratory* or AHJ approval.

[…]

Modify Section 7 as follows. The remainder of Section 7 remains unchanged.

7. RESTRICTIONS ON REFRIGERANT USE

[…]

7.6* High-Probability Air Conditioners, Heat Pumps, and Dehumidifiers Using Group A2L Refrigerants.

[…]

7.6.2 Listing and Installation Requirements. *Refrigeration systems*, other than those serving *industrial occupancies*, *shall* be *listed* in accordance with UL 484 [11] or UL 60335-2-40 [5] /CSA C22.2 No. 60335-2-40 [6]. Each *refrigeration system shall* be installed in accordance with Sections 7.6.2.1 through 7.6.2.5, the listing, the *manufacturer*'s instructions, and any markings on the equipment restricting the installation.

Exception to 7.6.2: Where changing *refrigerant* in accordance with Section 5.3, the existing *refrigeration system*

shall not be required, after the change of *refrigerant*, to be *listed* in accordance with UL 484 [11] or UL 60335-2-40 [5]/CSA C22.2 No. 60335-2-40 [6].

[…]

7.7* High-Probability Commercial Refrigeration Systems Using Group A2L Refrigerants.

[…]

7.7.3 Listing and Installation Requirements. *Refrigeration systems*, other than those serving *industrial occupancies*, *shall* be *listed* in accordance with UL 60335-2-89 [7]/CSA C22.2 No. 60335-2-89 [8]. Each *refrigeration system shall* be installed in accordance with Sections 7.7.3.1 through 7.7.3.4, the listing, the *manufacturer*'s instructions, and any markings on the equipment restricting the installation.

Exception to 7.7.3: Where changing *refrigerant* in accordance with Section 5.3, the existing *refrigeration system shall not* be required, after the change of *refrigerant*, to be *listed* in accordance with UL 60335-2-89 [7]/CSA C22.2 No. 60335-2-89 [8].

[…]

Modify Informative Appendix A as follows. The remainder of Appendix A remains unchanged.

INFORMATIVE APPENDIX A

EXPLANATORY MATERIAL

Sections of the standard with associated explanatory information in this appendix are marked with an asterisk "*" after the section number.

[…]

Section 5.3.3

Section H1 of Informative Appendix H contains guidelines to field retrofit commercial refrigeration equipment with a *refrigerant* belonging to the same safety group. Guidelines for other equipment may be added in a future edition.

Section 5.3.4

Section H2 of Informative Appendix H contains guidelines to field retrofit commercial refrigeration equipment with a *refrigerant* belonging to a different safety group. Guidelines for other equipment may be added in a future edition.

[…]

Add Informative Appendix H as follows.

INFORMATIVE APPENDIX H

CHANGE OF REFRIGERANT

H1. Guidelines to Field Retrofit Commercial Refrigeration Equipment within the Same Refrigerant Safety Group.

Per Sections 5.3.2 and 5.3.3, where changing the *refrigerant* within the same safety group either the OEM, registered design professional, or *NRTL* may develop technical instructions for the field retrofit of the commercial refrigeration equipment or the *refrigeration system*.

H2. Guidelines to Field Retrofit Commercial Refrigeration Equipment from Refrigerant Safety Group A1 to Refrigerant Safety Group A2L.

Per Sections 5.3.2 and 5.3.4, where changing the *refrigerant* to a different safety group, either the OEM or a registered design professional can collaborate with the *NRTL* to develop the written technical instructions for the field retrofit of the commercial refrigeration equipment or the refrigeration system. Examples of typical requirements for a field retrofit of commercial refrigeration equipment from a safety group A1 to a safety group

A2L *refrigerant* include:

a. As applicable, demonstration of compliance to Annex CC of UL 60335–2–89 [7]/CSA C22.2 No. 60335–2–89 [8] with the same or a similar equipment model.
b. Evaluate the *design pressure* requirements for the field retrofit *refrigerant* in accordance with section 9.2.
c. Evaluate the *refrigeration system* lubricant for the field retrofit *refrigerant* in accordance with section 7.5.1.8.
d. Evaluate the *refrigeration system* for compliance with *refrigerant* sensor and *refrigerant detection system* requirements of the applicable product safety standard.
e. Evaluate the mitigation requirements of the applicable product safety standard.
f. Verify that *safety shutoff valves* activated by a *refrigerant detection system* are installed and functional.
g. Verify that the maximum *releasable refrigerant charge* from any independent refrigerant circuit is less than $9.2 \times LFL$ (lb) where LFL is in pounds per 1000 ft^3 ($260 \times LFL$ [kg] where *LFL* is in kilograms per m^3).
h. Ensure electrical components inside of the display cases and walk-in coolers/freezers are *listed* for use with safety group A2L *refrigerants* or have been replaced with new ones that are in accordance with the applicable product safety standard.
i. Verify that the *manufacturer*(s) of the display cases have lab testing that show where the optimal *refrigerant* sensor location is for each different type of merchandiser (*i.e.*, a glass-door reach-in freezer may be different than an open multi-deck dairy case).
j. Verify that the *releasable refrigerant charge* for any isolated portion of the commercial refrigeration system complies with the limits established in UL 60335–2–89 [7]/CSA C22.2 No. 60335–2–89 [8], as applicable. Testing can be conducted on similar products.
k. If an existing compressor is reused, determine whether the compressor's OEM has evaluated its suitability for use with the new safety group A2L *refrigerant* and lubricant.
l. Evaluate components for compatibility with the field-retrofit *refrigerant*, lubricant, additives, and replace the components with OEM recommended components for the field-retrofit *refrigerant* (*e.g.* replacing seals, drier cores, and filters).
m. Mark the ASHRAE Standard 34 [3] *refrigerant designation* (e.g., R–454C) and safety group (A2L) on all partial units (*e.g.*, *compressor* rack, *condenser*, display case, walk-in unit cooler).
n. Mark the *system refrigerant charge* on the partial unit containing the *compressor* or *compressors*.

BSR/ASHRAE Addendum e
to ANSI/ASHRAE Standard 15.2-2024

First Public Review Draft

Proposed Addendum e to Standard 15.2-2024, Safety Standard for Refrigeration Systems in Residential Applications

First Public Review (April 2025)
(Draft shows Proposed Changes to Current Standard)

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FOREWORD

Addendum e was developed to clarify the requirements for dispersal height determination in multi-story applications or spaces with different levels.

Informative Note: In this addendum, changes to the current standard are indicated in the text by underlining (for additions) and ~~strikethrough~~ (for deletions) unless the instructions specifically mention some other means of indicating the changes.

Addendum e to Standard 15.2-2024

Modify Section 9 as follows. The remainder of Section 9 remains unchanged

[. . .]

9.4.3.1* Systems Serving More than One Floor. For systems without a leak detection system or circulation airflow, ~~W~~where different stories and floor levels connect through an opening, the dispersal height for each higher *space shall* be reduced by the difference in floor elevation between the higher *space* and the lower *space*. If the difference in elevation between the floor of the higher *space* and lower *space* is 7.2 ft (2.2 m) or more, the dispersal height for the higher *space shall* be zero.

[. . .]

Modify Informative Appendix A as follows. The remainder of Informative Appendix A remains unchanged.

[. . .]

Section 9.4.3.1

This section addresses multilevel buildings and applies to equipment without an installed *leak detection system* or *circulation airflow*. If floors are connected by a permanent opening that extends to the floor, is intended for people to walk through, and does not have a door, and the higher floor is a full flight higher than the lower floor, the dispersal height for the higher floor is reduced to zero (higher floor elevation above lower floor – lower floor height), and only the first floor area and height are used. When there is a smaller elevation change between levels, such as three steps up, then upper-level dispersal height is reduced by the difference in the levels of the two floors (upper floor height – 3 × step height).

[. . .]

BSR/ASHRAE Addendum f
to ANSI/ASHRAE Standard 15.2-2024

First Public Review Draft

Proposed Addendum f to Standard 15.2-2024, Safety Standard for Refrigeration Systems in Residential Applications

First Public Review (April 2025)
(Draft shows Proposed Changes to Current Standard)

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FOREWORD

This proposed Addendum revises ANSI/ASHRAE Standard 15.2-2024 to clarify requirements for application of joints for copper linesets, and expands welded joints to copper tube. ANSI/ASHRAE Standard 15 lists copper lineset as acceptable piping material in Table 9-8, but does not list any acceptable joining methods for copper linesets in Table 9-11. The advancement of and use of orbital arc welding equipment makes welding acceptable for copper tube.

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.

Addendum f to Standard 15.2-2024

Modify Section 9 as follows. The remainder of Section 9 remains unchanged.

9. DESIGN AND CONSTRUCTION OF REFRIGERATION EQUIPMENT AND SYSTEMS

[…]

Table 9-11 Allowable Joints

	Brazed	Mechanical	Flared	Press-Connect	Soldered	Threaded	Welded
Applicable Section	**9.11.4.1**	**9.11.4.2**	**9.11.4.2.1**	**9.11.4.2.2**	**9.11.4.3**	**9.11.4.4**	**9.11.4.5**
Material							
Aluminum tube	•	•		•			•
Brass pipe	•	•		•		•	•
Copper pipe	•	•		•	•	•	•
Copper tube	•	•	•	•	•		•
Copper lineset	•	•	•	•	•		•
Stainless steel pipe	•	•		•		•	•
Stainless steel tube	•	•	•	•			•
Steel pipe	•	•		•		•	•
Steel tube	•	•	•	•			•

BSR/ASHRAE Addendum g
to ANSI/ASHRAE Standard 15-2024

First Public Review Draft

Proposed Addendum g to Standard 15-2024, Safety Standard for Refrigeration Systems

First Public Review (April 2025)
(Draft shows Proposed Changes to Current Standard)

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

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

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ASHRAE, 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

ASHRAE Standard 15-2024 limits access to machinery rooms to "authorized personnel"; however, there are no specific normative requirements or guidance around what constitutes authorized personnel nor restrictions for others who may need to access the machinery room space. The proposed revisions add a definition for "authorized personnel", access limitations to machinery rooms and additional guidance intended to provide further information on the "authorized personnel" requirements of Section 8.9.4.

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**.**

Addendum g to Standard 15-2024

Modify Section 3 as follows. The remainder of Section 3 remains unchanged.

3. DEFINITIONS

3.1 Defined Terms

[…]

authorized personnel: individuals granted permission by the owner or owner's authorized agent on the basis of safety training and hazard knowledge.

[…]

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

4. OCCUPANCY CLASSIFICATION

[…]

4.1.6 *Industrial occupancy* is a *premises* or that portion of a *premises* that is not open to the public, where access by ~~authorized persons~~ *authorized personnel* is controlled, and that is used to manufacture, process, or store goods such as chemicals, food, ice, meat, or petroleum.

[…]

Modify Section 7 as follows. The remainder of Section 7 remains unchanged.

7. RESTRICTIONS ON REFRIGERANT USE

[…]

7.3 Refrigerant Charge Limits. […]

[…]

7.3.3 Industrial Occupancies and Refrigerated Rooms. *Industrial occupancies* and refrigerated rooms *shall* comply with the following conditions:

a. Spaces containing the *machinery* are separated from other *occupancies* by tight construction with tight-fitting doors.

b. Access is restricted to ~~authorized personnel~~ *authorized personnel*.

[…]

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

8. INSTALLATION RESTRICTIONS

[…]

8.9 Refrigerating Machinery Room, General Requirements. […]

[…]

8.9.4* Access. Access to ~~the~~ *machinery room*s *shall* be restricted to ~~authorized personnel~~ *authorized personnel* or others accompanied by *authorized personnel*. Doors *shall* be clearly marked, or permanent signs *shall* be posted at each entrance to indicate this restriction.

[…]

Modify Section 9 as follows. The remainder of Section 9 remains unchanged.

9. DESIGN AND CONSTRUCTION OF REFRIGERATION EQUIPMENT AND SYSTEMS

[…]

9.7 Pressure Vessel Protection

[…]

9.7.8 Discharge from Pressure Relief Devices. […]

[…]

9.7.8.2 Discharging Location Exterior to Building. […]

Exception to (a): Outdoor *refrigeration systems* containing Group A1 *refrigerant shall* be permitted to discharge at any elevation where the point of discharge is located in an access controlled area accessible to ~~authorized personnel~~ *authorized personnel* only.

[…]

9.12 Refrigerant Pipe Installation

9.12.1 Piping Location. […]

[…]

9.12.1.6 Exposed Piping Surface Temperature. Exposed *piping* with ready access to ~~nonauthorized personnel~~ persons that are not *authorized personnel* having temperatures greater than 120°F (49°C) or less than +5°F (–15°C) *shall* be protected from contact or have thermal insulation that limits the exposed insulation surface temperature to a range of +5°F (−15°C) to 120°F (49°C).

[…]

Modify Informative Appendix A as follows. The remainder of Appendix A remains unchanged.

INFORMATIVE APPENDIX A
EXPLANATORY MATERIAL

Sections of the standard with associated explanatory information in this appendix are marked with an asterisk "*" after the section number.

[…]

Section 3.1

authorized personnel: The owner, or an agent authorized by the owner such as a contractor or engineering services company, needs to consider criteria for granting permission to selected personnel. The criteria include establishing the minimum requirements for relevant safety training to be completed and for demonstrating hazard knowledge through some means of evaluation (whether interviewing, testing, or otherwise). Additional criteria specific to the circumstances (such as experience level or job classification) and to the refrigeration application (whether an *industrial occupancy* or a *machinery room*) are at the discretion of the owner or owner's authorized agent.

[…]

Section 8.9.4

The purpose of restricting *machinery room* access to ~~authorized personnel~~ *authorized personnel* is to ensure those ~~occupying~~ accessing the *machinery room* understand the hazards that exist within the room as well as the applicable evacuation~~/~~ and response plans should a *refrigerant* leak be detected or another type of incident occur. ~~In addition, authorized personnel need to have appropriate training that enables them to safely perform assigned work within the room.~~ Training on the hazards and evacuation and response plans enables *authorized personnel* to safely access the *machinery room*. The owner is responsible for establishing the ~~threshold~~ requirements and ~~instruction/~~training to credential ~~each individual considered authorized~~ personnel considered as "*authorized personnel*" for *machinery room* access. In the case of authorizing contractors or other outside personnel, the owner is obligated to inform a representative from the ~~contractor's~~ outside personnel's organization ~~or other outside personnel~~ of operations, hazards ~~within the space~~, alarms~~,~~ and any emergency action planning, and to ensure they have appropriate training for ~~the work they are expected to conduct within the space~~ accessing the *machinery room*. The informed ~~contractor, or other outside personnel,~~ outside organization is then responsible ~~to ensure~~ for ensuring all of its employees who ~~will conduct work on site~~ access the *machinery room* have been trained ~~for authorization~~. In cases where ~~nonauthorized personnel~~ non-*authorized personnel* require access to the space, such as AHJs, consultants, etc., ~~authorized facility personnel~~ *authorized personnel* ~~can~~ serve as their escort during periods where they must access the *machinery room*.

DRAFT PDS-02 BSR/RESNET/ICC 301-2025

Table 4.2.2(1) Specifications for the Energy Rating Reference and Rated Homes

Building Component	Energy Rating Reference Home	Rated Home
Thermal distribution systems	Thermal Distribution System Efficiency (DSE) of 0.80 shall be applied to both the heating and cooling system efficiencies.	For forced air distribution systems duct leakage to outside tests[w,x, y, z , xx, yy] shall be conducted and documented by an Approved Tester in accordance with requirements of Standard ANSI/RESNET/ICC 380 with the air handler installed, and the energy impacts calculated with the ducts located and insulated as in the Rated Home. Forced air distribution systems duct area shall be the same as the Rated Home[aa]. For ductless distribution systems or distribution systems in CSV with the supply-side having a total length that does not exceed 10 ft., inclusive of both ductwork and building cavities used for distribution: DSE=1.00 For hydronic distribution systems: DSE=1.00

xx. When conducting duct leakage to outside or total leakage tests, the exception in Section 5.2.7 of ANSI / RESNET / ICC 380 related to non-dampered ventilation air openings shall not be used.

4.2.2.7.1.4. Service Hot Water Use. Service hot water system use in gallons per hour for the Energy Rating Reference Home shall be determined in accordance with Equation 4.2-29:

$$HWgph = (refDWgph + refCWgph + F_{mix}*(refFgph + refWgph))$$

(Equation 4.2-29)

where:

HWgph	= gallons per hour of hot water use
refDWgph	= reference dishwasher gallons per hour = $(0.7801*Nbr+1.976)*h_{DW}$
refCWgph	= reference clothes washer gallons per hour = $(0.6762*Nbr + 2.3847)*h_{CW}$
F_{mix}	= $1 - ((T_{set} – T_{use})/ (T_{set} – T_{mains}))$

where:

T_{set}	= Water heater set point temperature = 125 °F
T_{use}	= Temperature of mixed water at fixtures = 105 °F
T_{mains}	= $(T_{amb,avg} + offset) + ratio * (\Delta T_{amb,max} / 2)$

* sin (0.986 * (day# - 15 - *lag*) – *hemisphere**90)
(with a minimum value of 32 ºF)

where:

T_{mains} = temperature of potable water supply entering residence (ºF)

$T_{amb,avg}$ = annual average ambient air temperature (ºF)

$\Delta T_{amb,max}$ = maximum difference between monthly average ambient temperatures[1] (ºF)

0.986 = degrees/day (360/365)

day# = Julian day of the year (1-365)

offset = 6°F

ratio = 0.4 + 0.01 ($T_{amb,avg}$ – 44)

lag = 35 – 1.0 ($T_{amb,avg}$ – 44)

hemisphere = 1 for northern hemisphere, -1 for southern hemisphere

refFgph = (14.6 + 10.0*Nbr)*h_F for one- and two-family Dwellings and Townhouses
= (-21.9 + 8.3*Nbr)*h_F for all other Dwelling Units
= reference climate-normalized hourly fixture water use in Energy Rating Reference Home (in gallons per hour)

refWgph = (9.8*Nbr $^{0.43}$)*h_F for one- and two-family Dwellings and Townhouses
= (11.2*Nbr$^{0.34}$) *h_F for all other Dwelling Units
= reference climate-normalized hourly hot water waste due to distribution system losses in Energy Rating Reference Home (in gallons per hour)

where:

Nbr = number of Bedrooms in the Rated Home, not to be less than 1.

4.2.2.7.2.8. Clothes Dryers. Clothes Dryer annual energy use for the Rated Home shall be determined in accordance with Equation 4.2-34 and shall be based on the clothes dryer located within the Rated Home. If no clothes dryer is located within the Rated Home, a clothes dryer in the nearest shared laundry room on the project site shall be used if available for daily use by the occupants of the Rated Home. If the shared laundry room has multiple clothes dryers, the clothes dryer with the lowest EF or CEF shall be used.

CDkWh/y = (((RMC-0.04)*100)/55.5)*(8.45/CEF)*ACY

(Equation 4.2-34)

where:

RMC = Remaining Moisture Content = (0.97 * (CAPw / IMEF) – LER/312) / ((2.0104 * CAPw + 1.4242) * 0.455) + 0.04

ACY = Annual Cycles per Year = ~~(164+46.5*Nbr)~~ SCY * ~~[(~~(3*2.08+1.59) / (CAPw*2.08+1.59)~~])~~

SCY = 189.5 + 32.9*Nbr for one- and two-family Dwellings and Townhouses
= 213.9 + 27.5*Nbr for all other Dwelling Units

Nbr = Number of Bedrooms in home.

[1] (Informative Reference) For example: $T_{amb,avg,july} – T_{amb,avg,january}$

CEF = Combined Energy Factor is the clothes dryer efficiency[2] (lbs dry clothes/kWh) based on current U.S. DOE clothes dryer testing procedures. (default = 3.73 for electric dryers or 3.30 for gas dryers)

CAPw = Capacity of clothes washer (ft^3) from the manufacturer's data

IMEF = Integrated Modified Energy Factor, which has replaced MEF as the U.S. DOE Energy Factor test metric for clothes washers. (default = 1.57 for top load clothes washers or 1.84 for front load clothes washers)

LER = Labeled Energy Rating of clothes washer (kWh/y) from the Energy Guide label.

4.2.2.7.2.9. Dishwashers. Dishwasher annual energy use for the Rated Home shall be determined in accordance with Equation 4.2-36a and shall be based on the dishwasher located within the Rated Home, with the highest kWh/y. If no dishwasher is located within the Rated Home, a dishwasher in the nearest shared kitchen in the building shall be used only if available for daily use by the occupants of the Rated Home.

dWkWh/y = dWkWh/cyc * dWcpy **(Equation 4.2-36a)**

where:

dWkWh/y = dishwasher annual electric use excluding water heater energy use

dWkWh/cyc = [(GHWC * 0.5497/ Gas$ - LER * Elec$ * 0.02504 / Elec$) / (Elec$ * 0.5497 / Gas$ - 0.02504)] / 208

GHWC = Labeled annual cost when used with a gas water heater

Gas$ = Labeled price of gas in $/therm

LER = Labeled dishwasher Energy Rating using electric water heater in kWh/y

Elec$ = Labeled price of electricity in $/kWh

dWcpy = dishwasher cycles per year = ~~(88.4 + 34.9*Nbr)~~SCY*12/dWcap

SCY = 123.7 + 16.2*Nbr for one- and two-family Dwellings and Townhouses

= 135.7 + 13.5*Nbr for all other Dwelling Units

Nbr = Number of bedrooms in Rated Home

dWcap = Dishwasher capacity where Standard = 12 and Compact = 8

For dishwashers where an Energy Guide label is not available, dishwasher inputs from Table 4.2.2.7.2.9 shall be used.

4.2.2.7.2.10. Clothes Washers. Clothes Washer annual energy use and daily hot water use for the Rated Home shall be determined as follows and shall be based on the clothes washer located within the Rated Home. If no clothes washer is located within the Rated Home, a clothes washer in the nearest shared laundry room on the project site shall be used if available for daily use by the occupants of the Rated Home. If the shared laundry room has multiple clothes washers, the clothes washer with the highest LER shall be used.

Annual energy use shall be calculated in accordance with Equation 4.2-37a.

CWkWh/y = Cwappl / LCY * ACY **(Equation 4.2-37a)**

where:

Cwappl = (GHWC * gasH2O / gas$ - (LER*elec$) * elecH2O / elec$) / (elec$ * gasH2O / gas$ - elecH2O)

GHWC = Gas Hot Water Costs from Energy Guide Label

gasH2O = 0.3914 (gal/cyc) per (therm/y)

[2] (Informative Reference) See the CEC Appliance Efficiency Database http://www.energy.ca.gov/appliances/ or the ENERGY STAR Appliance database https://www.energystar.gov/products/appliances/clothes_dryers.

elecH2O = 0.0178 (gal/cyc) per (kWh/y)
LER = Label Energy Rating (kWh/y) from the Energy Guide Label.
elec$ = Electric Rate from Energy Guide Label. (default = $0.12 per kWh)
gas$ = Gas Rate from Energy Guide Label. (default = $1.09 per therm)
LCY = Label Cycles per Year from Energy Guide Label (default = 6 loads per week = 312)
ACY = Annual Cycles per Year.
and where:
ACY = SCY * [(3.0*2.08+1.59)/(CAPw*2.08+1.59)]
where:
SCY = 189.5 + 32.9*Nbr for one- and two-family Dwellings and Townhouses
= 213.9 + 27.5*Nbr for all other Dwelling Units
~~SCY = (164 + Nbr*46.5).~~
CAPw = washer capacity in cubic feet from the Energy Guide Label

7.1.2.2.1.2. For fossil fuel use, emissions shall be calculated using the emission factors given in Table 7.1.2(1).

TABLE 7.1.2(1)
EMISSION FACTORS FOR HOUSEHOLD COMBUSTION FUELS[~~113~~]

FUEL TYPE	UNITS	MBTU PER UNIT	CO_2e LB/MBU[a]	NOX LB/MBU[b]	SO2 LB/MBU[b]
Natural Gas	Therm	0.1000	147.3	0.0922	0.0006
Fuel Oil #2	Gallon	0.1385	195.9	0.1300	0.0015
Liquid Petroleum Gas (LPG)	Gallon	0.0915	177.8	0.1421	0.0002

a. Developed from ASHRAE Standard 189.1-2020, Addendum m, Appendix J, Table J-6 using combined pre-combustion and combustion values for 100-year GWP time horizon

~~a~~b. Developed from the U.S. EPA AP 42, Fifth Edition Compilation of Air Pollutant Emissions Factors, Volume 1, Chapter 1: External Combustion Sources.

~~[113] (Informative Note) Developed from the U.S. EPA AP 42, Fifth Edition Compilation of Air Pollutant Emissions Factors, Volume 1, Chapter 1: External Combustion Sources.~~

Chapter 8

CO_2e RATING INDEX

CO_2e Rating Index. The CO_2e Index shall be calculated for the Rated Home in accordance with equation 8-1 using the provisions of Sections 8.1 through 8.~~5~~4.

Chapter 9

NORMATIVE STANDARDS

ACCA, "Manual B Balancing and Testing Air and Hydronic Systems," Air Conditioning Contractors of America, Arlington, VA.

ACCA, "Manual D Residential Duct Systems," [ANSI/ACCA 1 Manual D-2016], Air Conditioning Contractors of America, Arlington, VA.

ACCA, "Manual J Residential Load Calculation," 8th Edition, [ANSI/ACCA 2 Manual J-2016]. Air Conditioning Contractors of America, Arlington, VA.

ACCA, "Manual S Residential Heating and Cooling Equipment Selection," 2nd Edition, [ANSI/ACCA 3 Manual S-2014]. Air Conditioning Contractors of America, Arlington, VA.

AHRI 210/240-2023 (2020) "Performance Rating of Unitary Airconditioning & Air-source Heat Pump Equipment." Air Conditioning and Refrigeration Institute, Arlington, VA.

ANSI/ASHRAE 62.2-2016, "Ventilation and Acceptable Indoor Air Quality in Low Rise Buildings." American Society of Heating, Refrigerating, and Air Conditioning Engineers, Atlanta, GA, 2016.

ANSI/ASHRAE 90.1-2016, "Energy Standard for Buildings Except Low-Rise Residential Buildings." American Society of Heating, Refrigerating, and Air Conditioning Engineers, Atlanta, GA, 2012

ANSI/ASHRAE 189.1-2020, "Standard for the Design of High-Performance, Green Buildings Except Low-Rise Residential Buildings." American Society of Heating, Refrigerating, and Air Conditioning Engineers, Atlanta, GA

ANSI/CRRC S100-2021, "Standard Test Methods for Determining Radiative Properties of Materials," Cool Roof Rating Council, Portland, OR. www.coolroofs.org

ANSI/RESNET/ACCA/ICC 310-~~2020~~2025, "Standard for Grading the Installation of HVAC Systems" and ANSI approved Addenda. Residential Energy Services Network, Oceanside, CA.

ANSI/RESNET/ICC 380-~~2022~~2025, "Standard for Testing Air- tightness of Building, Dwelling Unit, and Sleeping Unit Enclosures; Airtightness of Heating and Cooling Air Distribution Systems; and Airflow of Mechanical Ventilation Systems" and ANSI Approved Addenda. Residential Energy Services Network, Oceanside, CA.

BSR/UL 50E, Standard for Enclosures for Electrical Equipment, Environmental Considerations

3. Request to change Clause 7.2.1.1 and definition. Request to change Clause 7.2.1.1 and definition

PROPOSAL

7.2.1.1 Enclosures made of the following materials shall be considered to comply with the indoor and outdoor corrosion requirements:

a) Copper, aluminum, or stainless steel;
b) Bronze or brass, either of which containing at least 80 percent copper; and
c) nonferrous material

Note: The materials in (a), (b) and c) above are not considered to comply with additional corrosion protection of Clause 7.2.4 without being investigated

4. Request to change Clause 7.2.3.1

PROPOSAL

7.2.3.1 Type 3, 3X, 3R, 3RX, 3S, 3SX, 4, 4X, 6, and 6P ferrous enclosures, and external ferrous parts attached to these enclosures shall be protected against corrosion by one of the coatings in Clause 7.2.3.1 (a) – (d) ~~or shall comply with the test requirements of Clause 8.8~~:

a) Hot-dipped mill-galvanized sheet steel conforming to the coating Designation G90 in Annex B, Ref. No. 2;

b) A zinc coating, other than that provided on hot-dipped mill-galvanized sheet steel, uniformly applied to an average thickness of not less than 0.015 mm (0.00061 inch) on each surface with a minimum thickness of 0.014 mm (0.00054 inch); the thickness of coating shall be established by the metallic-coating-thickness test described in Annex B, Ref. No. 3 or No. 13; an annealed coating shall comply with Clauses 7.2.3.3 and 7.2.3.4;

c) A zinc coating conforming to Clause 7.2.3.1(c)(1) or 7.2.3.1(c)(2) and having at least one coat of an organic finish of the epoxy or alkyd-resin type or other outdoor paint applied after forming on each surface.

1) Hot-dipped mill-galvanized sheet steel conforming to the coating Designation G60 or A60 in Annex B, Ref. No. 2; or

2) A zinc coating, other than that provided on hot-dipped mill-galvanized sheet steel, uniformly applied to an average thickness of not less than 0.010 mm (0.00041 inch) on each surface with a minimum thickness of 0.009 mm (0.00034 inch); the thickness of the coating shall be established by the metallic-coating-thickness test described in Annex B, Ref. No. 3 or No. 13.

The acceptability of the paint may be determined by consideration of its composition or by corrosion tests if these are considered necessary; or,

d) Paint shall comply with the requirements in Clause 8.8 or Annex B, Ref. No. 7.

5. Factory-applied sealing compounds

PROPOSAL

7.8.1 A sealing compound that is provided factory-applied on a Type 2, 3, 3X, 3R, 3RX, 3S, 3SX, 4, 4X, 5, 6, 6P, 12, ~~or~~ 12K, or 13 enclosure and is relied upon to comply with the design tests of this standard shall only be applied to the inside cavity of an enclosure, including at joints or seams, and shall comply with the Sealing Compounds test of Clause 8.17.

~~7.8.2 A sealing compound that is provided on a Type 2, 3, 3R, 3S, 4, 4X, 5, 12, or 12K enclosure and is relied upon to comply with the design tests of this standard shall comply with the Sealing Compounds test of Clause 8.17.~~

7. Add Ancillary Rating XH; Corrosion Resistant Hose Down

PROPOSAL

9.2.4 Ancillary ratings for enclosures may be designated by the additional rating which is intended to indicate the ancillary environmental conditions which they are suitable. Example: “Type 4-PW Enclosure”

x.x Ancillary Ratings

X.x.1 In addition to Type designations, the following ancillary conditions can be evaluated and marked. The ancillary ratings are optional add-ons to the basic Type Rating:

a.) PW **Pressure Wash** Enclosures constructed for cleaning of the enclosure’s exterior by means of high-pressure power washers and tested in accordance with 8.18. The PW ancillary rating may be appended only to Type 3, 3X, 3S, 3SX, 4, 4X, 6, 6P, 12, 12K, or 13 enclosure ratings.

b.) **XH Corrosive and Hosedown Capable Indoor Enclosures** Enclosure constructed for indoor locations that are capable to be hosedown by the means of hose directed water and tested in accordance with 8.6. The XH ancillary rating may be appended only to Type 12, 12K, or 13 enclosure ratings.

~~Type 12-XH, 12K-XH, and 13-XH enclosures shall be corrosion resistant per 7.2.3 and tested in accordance with 8.8 and 8.9, in addition to all requirements applicable Type 12, 12K, and 13 enclosures, respectively.~~

Type 12-XH, 12K-XH, and 13-XH enclosures shall be corrosion resistant per 7.2.3 and shall be additional corrosion resistant per 7.2 4, in addition to all requirements applicable Type 12, 12K, and 13 enclosures, respectively.

Type 12-XH, 12K-XH, or 13-XH polymeric enclosures need not have a material which is resistant to ultraviolet light weathering in accordance with UL 746C.

BSR/UL 2079, Standard for Tests for Fire Resistance of Building Joint Systems

1. Environmental Exposure Temperature and Duration

PROPOSAL

28.2 Required environmental exposures

28.2.1 Intumescent fill, void or cavity material is to be exposed to the following conditions:

a) Accelerated Aging – Samples of the material are to be placed in a circulating air-oven at 158 ±5°F (70 ±2.7°C) for 270 days or at 176 ± 5°F (80 ± 2.7°C) for 135 days.

b) High Humidity – Samples of the material are to be placed in a controlled humidity of 97 – 100% at 95 ±3°F (35 ±1.5°C) for 180 days.