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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.

ASABE (American Society of Agricultural and Biological Engineers)

Sydney Ingeson <ingeson@asabe.org> | 2950 Niles Road | St. Joseph, MI 49085 https://www.asabe.org/

National Adoption

BSR/ASABE/ISO 3600-202x MONYEAR, Tractors, machinery for agriculture and forestry, powered lawn and garden equipment — Operators manuals — Content and format (identical national adoption of ISO 3600:2022 and revision of ANSI/ASABE AD3600:2016 (R2021))
Stakeholders: Manufacturers, Consumers, Government Regulators

Project Need: The current ANSI/ASABE AD3600:2015 deviated from its ISO counterpart simply due to a single reference, ANSI/ASABE AD11684:1995, rather than the ISO 11684 version. Since deviations for the US in ISO 11684 are no longer needed due to its revision in 2023, and its identical adoption for ASABE is in process, it is recommended to also adopt ISO 3600 identically, including the reference to the new ISO 11684.

Interest Categories: Design, Government, Producer, Safety, User

This International Standard specifies the content and gives guidance on the format of operator's manuals for tractors, machinery for agriculture and forestry, and powered lawn and garden equipment. It is intended to assist manufacturers of the machinery in the drafting and presentation of these manuals. Manuals intended for use by a service technician are not within the scope of this International Standard.

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

Ryan Shanley <rshanley@ashrae.org> | 180 Technology Parkway | Peachtree Corners, GA 30092 www.ashrae.org

New Standard

BSR/IESO 2210-200x, Initial Residential Mold Assessment Standard (new standard)
Stakeholders: Residential Remediators, Residential Assessors, Residential Property Managers, Home Owners, Home Inspectors

Project Need: This project will standardize mold assessment of residential properties.

This published standard is to provide residential structure investigation procedures to identify observable mold and conditions associated with potential mold amplification including moisture intrusion. The initial investigative process includes, but is not limited to, information gathering, collection of relevant historical events and walk through observations. There are four potential outcomes: (1) Neither mold nor associated conditions were readily observable; (2) Mold was not readily observable but associated conditions were; (3) Mold was readily observed but no associated conditions were; (4) Readily observed mold and conditions. Outcomes (2), (3), or (4) may warrant additional investigation by a qualified professional.

ASTM (ASTM International)

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New Standard

BSR/ASTM WK94068-202x, New Specification for Eye Protectors for Baseball and Softball (new standard)
Stakeholders: Eye Safety for Sports Industry

Project Need: This standard will cover eyewear testing and specifications aimed to make products safer for use by athletes.

Interest Categories: Producer, User, General Interest

This specification covers eye protectors, designed for use by players of baseball and softball that minimize or significantly reduce injury to the eye and adnexa due to impact and penetration by baseballs and softballs. Protective eyewear offers protection only to the eyes and does not protect other parts of the head.

ATIS (Alliance for Telecommunications Industry Solutions)

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

New Standard

BSR/ATIS 0600042-202x, Direct Contact Cooling Systems (new standard)
Stakeholders: Communications Industry

Project Need: The goal of this project is to develop a set of requirements that can be used as a standard for liquid cooling systems. A liquid cooling system is a technique used to keep a computer processor's temperature low using water as the cooling medium. This liquid cooling mechanism provides efficient cooling at the equipment shelf level. Additionally, testing parameters and methods for product review utilizing direct contact cooling. Direct contact cooling is becoming an option on production products and telecommunication customers need verification of Level 1 and Level 3 (safety and reliability) compliance of the products.

Interest Categories: General interest, user, producer

This standard covers the requirements for the review of Direct Contact Cooling Systems.

CSA (CSA America Standards Inc.)

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

Revision

BSR CSA Z21.47-CSA 2.3-202x, Gas-fired central furnaces (same as CSA 2.3) (revision of ANSI/CSA Z21.47/CSA 2.3 -2021)
Stakeholders: Manufacturers, utilities, consumers, testing agencies

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

Interest Categories: Consumer or User Interest, Fuel Supplier, General Interest, Manufacturer, Regulatory Authority, Research/Testing

Details test and examination criteria for automatically operating gas-fired central furnaces for use for installation in residential, commercial, and industrial structures including furnaces for direct vent, recreational vehicle, outdoor, and manufactured (mobile) homes. This Standard applies to Category I, Category II, Category III, and Category IV central furnaces. In Canada, this Standard applies to gasfired central furnaces having inputs up to and including 400,000 Btu/hr (117 228 W).

CSA (CSA America Standards Inc.)

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Revision

BSR Z21.10.1 CSA 4.1-202x, Gas Water Heaters, Volume I, Storage Water Heaters with Input Ratings of 75,000 Btu per Hour or Less (same as CSA 4.1) (revision of ANSI Z21.10.1-2019 (R2024))
Stakeholders: Consumers, Manufacturers, Gas Suppliers, Certifying Agencies

Project Need: Revise the standard for safety and clarification

Interest Categories: Consumer or User Interest, Fuel Supplier, General Interest, Manufacturer,Regulatory Authority, Research/Testing

Details test and examination criteria for automatic storage water heaters with input ratings of 75,000 Btu per hour (21 980 W) or less for use with natural, manufactured and mixed gases, liquefied petroleum gases, and LP gas-air mixtures.

CTA (Consumer Technology Association)

Kayla Belsky <kbelsky@cta.tech> | 1919 S Eads St | Arlington, VA 22202 www.cta.tech

Revision

BSR/CTA 861-J-202x, A DTV Profile for Uncompressed High Speed Digital Interfaces (revision of ANSI/CTA 861-I-2023)
Stakeholders: Consumers, manufacturers, retailers

Project Need: To integrate the previous amendments and incorporate extensive changes and improvements into one comprehensive document.

Interest Categories: General interest, producer, user

This standard establishes protocols, requirements, and recommendations for the utilization of uncompressed digital interfaces by consumer electronic devices.

ECIA (Electronic Components Industry Association)

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

Revision

BSR/EIA 364-28G-202x, Vibration Test Procedure for Electrical Connectors and Sockets (revision and redesignation of ANSI/EIA 364-28F-2011 (R2023))
Stakeholders: Electronics, electrical and telecommunications industries

Project Need: Revise and redesignate current American National Standard.

Interest Categories: User, Producer, General Interest

The standard test procedure details a method to assess the ability of electrical connector components to withstand specified severities of vibration.

ECIA (Electronic Components Industry Association)

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Revision

BSR/EIA 364-87C-202x, Nanosecond Event Detection Test Procedure for Electrical Connectors, Contacts and Sockets (revision and redesignation of ANSI/EIA 364-87B-2017 (R2023))
Stakeholders: Electronics, electrical and telecommunications industries

Project Need: Revise and redesignate current American National Standard.

Interest Categories: User, Producer, General Interest

The object of this procedure is to define methods for detecting events that can be as short as 1 nanosecond.

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

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

Revision

BSR/ASSE 1014-202x, Performance Requirements for Backflow Prevention Devices for Hand-held Showers (revision of ANSI/ASSE 1014-2020)
Stakeholders: Manufacturer, Plumbing Engineer, Construction, Regulatory Authority

Project Need: Update standard to be in aligned with changes to ASME A112.18.1/CSA B125.1.

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

This standard provides performance requirements for backflow prevention device(s) for handheld showers. These devices provide backflow protection against backsiphonage and backpressure in handheld showers. These are separate devices or are integral with handheld showers, tub fillers, flexible hoses, or components that are attached to a shower system. The device shall include two independently acting check valves in series or a check valve in series with a vacuum breaker feature.

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

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Revision

BSR/IAPMO Z1349-202x, Devices for Detection, Monitoring or Control of Plumbing Systems (revision of ANSI/IAPMO Z1349-2021)
Stakeholders: Manufacturer, Plumbing Engineer, Construction, Regulatory Authority

Project Need: Update standard to clarify the requirements for products which do not have advance monitoring and reporting features.

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

This standard covers devices for detection, monitoring or control of water supply and distribution systems in sizes DN 8 to DN 300 (NPS-1/4 to NPS-12) for commercial and residential applications and specifies requirements for materials, performance testing, environmental limitations, installation, and markings.

IEEE (Institute of Electrical and Electronics Engineers)

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New Standard

BSR/IEEE 603-202x, Standard Criteria for Safety Systems for Nuclear Power Generating Stations (new standard)
Stakeholders: Commercial nuclear power regulators, utilities, vendors and members of the general public.

Project Need: IEEE Std 603 was last updated in 2018. A project is required to revise the standard by 2028 to maintain active status. This revision also includes the following objectives: (1) Update the standard for clarity and consistency of language, including conformance of definitions that may deviate from other standards and update of the bibliography to the current versions of referenced standards; (2) Update language, clauses, and definitions that are specific to Light Water Reactor technology to allow for use of the standard in development of safety systems for Advanced Reactors and other non-LWR technologies; (3) Include consideration of Advanced and Microreactor concepts of operation and ensure the language in the standard does not preclude its use with these technologies; (4) Address risk informed methods in the standard; (5) Include consideration of online monitoring capabilities for test and calibration; and (6) Address Nuclear Regulatory Commission (NRC) position on Common Cause Failure outlined in SRM-SECY-22-76.

Interest Categories: A subset of the interest categories on this list is expected to comprise the consensus body: https: //ieee.app.box.com/v/Interest-Categories

The criteria contained in this standard establish minimum functional and design requirements for the power, instrumentation, and control portions of safety systems for nuclear power generating stations. To satisfy the criteria in this standard, interface requirements may be imposed on the other portions of safety systems. Safety system functional and design criteria are also contained in other standards.

IEEE (Institute of Electrical and Electronics Engineers)

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New Standard

BSR/IEEE 980-202x, Guide for Containment and Control of Oil Spills in Substations (new standard)
Stakeholders: Stakeholders are : engineering companies, utilities, manufacturers, municipalities, asset managers, environmental agencies

Project Need: The guide published in 1994 was reaffirmed in 2013 and 2021. This revision is required to update the standard with the latest technological developments in the area of containment and control of oil spills in substations, expand the discussion on alternative insulating fluids, better align with IEEE Project P979, Guide for Substation Fire Protection, include more design example calculations, expand the discussion around mobile sources of oil spills and reduce content in relation to spill response procedures.

Interest Categories: A subset of the interest categories on this list is expected to comprise the consensus body: https: //ieee.app.box.com/v/Interest-Categories

This guide discusses the significance of oil spillage in electric substations; identifies the sources of oil spills; discusses typical designs and methods for dealing with oil containment and control of oil spills; and provides guidelines for preparation of a typical spill prevention control and mitigation plan. This guide applies to all types of insulating oil, fuel, and other oils typical of electrical substations. It is not the intent of this guide to interpret government regulations, or the applicability of the oil containment systems presented with respect to compliance to those regulations. Interpretation is left to each individual user. Note that much of the material and information in this guide is based on discussions, experiences, and research conducted by the IEEE Oil Containment Working Group. Part of this research includes industry surveys conducted in 1992 and 2012 in an effort to determine common practices for oil containment and control in electrical substations. Although generally not discussed in the body of this guide, the detailed survey results are provided.

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New Standard

BSR/IEEE 3541-202x, Guide for Test Method for Harmonic Influence Test Equipment for Electrical Energy Meters (new standard)
Stakeholders: Stakeholders of this proposed practice mainly include the grid operators and test agencies and manufacturers and research institutes.

Project Need: Due to the proliferation of non-linear loads and renewable energy resources in modern electrical distribution networks, distorted waveforms and various power quality phenomena are a common occurrence and should be considered as normal operating conditions of electrical energy meters. The industry experience and several academic studies demonstrate that some static energy meters cannot correctly measure electrical energy in distorted voltage and current waveforms. Many publications reported unacceptable errors in meters attempting to measure energy in highly distorted waveforms. Therefore, technical equipment is needed to verify the accuracy of static energy meters under various non-sinusoidal voltage and current conditions.

Interest Categories: A subset of the interest categories on this list is expected to comprise the consensus body: https: //ieee.app.box.com/v/Interest-Categories

This guide applies to stationary Meter Test Units (MTUs) permanently installed in laboratories, used to test harmonic influence on electrical energy meters. It covers requirements for output waveforms, test methods and test rules of the harmonic influence test equipment for electricity meters. It applies to newly manufactured MTUs to test electrical energy meters on 50 Hz or 60 Hz networks with an AC voltage up to 600 V (phase to neutral).

IEEE (Institute of Electrical and Electronics Engineers)

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New Standard

BSR/IEEE 3554-202x, Guide for X-ray Detection Method for Transmission Line Conductor Crimping (new standard)
Stakeholders: The stakeholders for the standard are users, R&D institutions and inspectors of conductor crimping X-ray detection.

Project Need: In order to prevent the safety risks caused by improper crimping, the X-ray technology of the conductor crimping quality can be used as a conventional means. Through the scientific research and field practice of the technology for a long time, it has the basis of developing the X-ray testing technology standard conductor crimping quality of transmission lines. It's necessary to give the relevant technical parameters of X-ray equipment, put forward safety protection requirements, operation requirements, image quality parameters supporting defect interpretation, quantitative defect evaluation indicators and other technical contents. At present, there's no special technical standard related to X-ray detection of transmission line conductor crimping. The standard can provide a basis for the implementation of X-ray detection activities of transmission line, and ensure the safety and quality of detection activities. Therefore, it is necessary to develop a standard to define the requirements for transmission line conductor crimping X-ray detection.

Interest Categories: A subset of the interest categories on this list is expected to comprise the consensus body: https: //ieee.app.box.com/v/Interest-Categories

The guide specifies technical requirements of transmission line conductor crimping X-ray detection, including equipment technical parameter requirements, safety protection requirements, operation requirements, image parameters and quality requirements, and defect evaluation requirements. The guide applies to X-ray detection of the transmission line conductor crimping, including high-altitude radiation operation and crimping quality evaluation.

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New Standard

BSR/IEEE 3555-202x, Standard for Test Method for Fiber Ropes Used in Construction of Overhead Transmission Lines (new standard)
Stakeholders: The stakeholders for the standard are manufacturers, users, R&D institutions and inspectors of fiber rope used in the construction of overhead transmission lines.

Project Need: Fiber rope is widely used in tension stringing and crossing construction of overhead transmission lines, especially in the construction of crossing live lines and nearby live lines, its impact performance and insulation performance directly affect construction safety. At present, the ISO standards only specify the testing methods for physical properties such as elongation and fracture strength of general-purpose fiber ropes. While the fiber ropes used in transmission lines are used in special situations and need to be able to directly withstand impact loads under accident conditions during crossing construction. Therefore, higher requirements are proposed on the impact resistance performance of fiber ropes. In addition, with the increasing shortage of power transmission corridors and the increasing frequency of construction or operations nearby live lines, higher requirements have been put forward for the insulation performance of fiber ropes to avoid "induced electrical hazards" and to help ensure construction safety. Therefore, standardizing the technical requirements, test methods, and inspection rules for the elongation, fracture strength, impact performance, and insulation performance of fiber ropes used in the construction of overhead transmission lines is of great significance to enhancing the safety of overhead transmission line construction.

Interest Categories: A subset of the interest categories on this list is expected to comprise the consensus body: https: //ieee.app.box.com/v/Interest-Categories

The standard specifies test methods and inspection rules for the performance of fiber ropes used in the construction of overhead transmission lines, including fiber rope elongation, fracture strength, impact performance, and insulation performance. The standard is applicable to the test and inspection of ultra-high molecular weight polyethylene fiber ropes and polyester fiber ropes used in the construction of overhead transmission lines.

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New Standard

BSR/IEEE 3556-202x, Guide for Direct Current Fast Charging Cables with Thermal Management for Electric Vehicles (new standard)
Stakeholders: Wire and Cable Manufacturers, Connector/Assembly Manufacturers, EV Charger Manufacturers, Site Owners/Operator, EV Manufacturers, and users.

Project Need: There is no published North American standard that covers the scope of this project. Thermal management technology used for active cooling is rapidly changing and there is no guide to address the impact of the current methods of thermal management on DC fast-charging cable performance.

Interest Categories: A subset of the interest categories on this list is expected to comprise the consensus body: https: //ieee.app.box.com/v/Interest-Categories

This guide provides information on the specification and selection of electric vehicle charging cables with thermal management for use in Direct Current (DC) fast-charging applications. It contains recommendations for cable requirements including construction, materials, and testing.

IEEE (Institute of Electrical and Electronics Engineers)

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New Standard

BSR/IEEE 3561-202x, Guide for Fault Location, Isolation, and Service Restoration Application for Distribution Management Systems (new standard)

Stakeholders: The stakeholders for this standard are electric utilities, electric utility equipment manufacturers, electric utilization equipment manufacturers, utility software vendors, and grid engineers.

Project Need: With the proliferation of Advanced Distribution Management Systems (ADMS) and the advanced capabilities available in many of these systems, this guide will build on existing industry experience and knowledge to provide options for utilities and vendors to implement advanced capabilities. ADMS advanced applications can provide benefits for reliability improvement, fault location and fault management, voltage and var optimization, distributed resource and renewable generation integration, advanced protection systems, real-time simulation for system optimization and other applications. Fault Location, Isolation, and Service Restoration (FLISR) applications are being considered as part of smart distribution system development and distribution management systems. This application can be used for reliability improvement, fault isolation and restoration of customer load, integration with, voltage and var management systems, distributed resource and renewable generation integration, advanced protection systems, and many other applications. Development and deployment of these systems are not standardized which makes it difficult to develop specifications for these functions as part of planning and developing smart distribution systems. This guide will categorize FLISR implementation options, develop descriptions of the critical functions involved, define important components of these systems, and provide examples of these systems. The guide will be an important reference for grid ...

Interest Categories: A subset of the interest categories on this list is expected to comprise the consensus body: https://ieee.app.box.com/v/Interest-Categories

This guide categorizes closed loop fault isolation and system restoration applications, develops descriptions of the critical functions involved, defines important components of these systems, and provides examples of the systems that can be considered as part of distribution automated restoration.

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New Standard

BSR/IEEE 3563-202x, Guide for Technology for Direct Current Standard Signal Sources with Digital Output (new standard)
Stakeholders: Digital instrument manufacturers, utilities, energy service companies, system integrators, and other related entities.

Project Need: DC standard signal sources will become the basis for the test devices of DC measurement, control and protection equipment that receive their input signal in the form of a formatted, digital data stream. DC standard signal sources can be employed to test the accuracy of the DC measurement, control and protection equipment by simulating the output of voltage transformers or current transformers for DC application in a converter station. It is necessary to ensure that the DC standard signal sources can correctly reproduce the output electrical quantity of DC instrument transformers, such as digital output sampling value, steady-state signal, transient/dynamic signal, step response signal, harmonic signal. However, at present, there is no standard addressing problems with DC standard signal sources with digital output, such as disunity of digital output protocol configuration, Inflexible configuration of output message, deficiency of waveform generation method and quantitative parameter of step response, time inaccuracies, poor synchronization of current and voltage, poor interchangeability and interconnection, and a lack of unified test methods for detecting such problems. Therefore, an IEEE guide is needed to give guidance on the technology of DC standard signal sources.

Interest Categories: A subset of the interest categories on this list is expected to comprise the consensus body: https: //ieee.app.box.com/v/Interest-Categories

This guide specifies basic principles, application objectives, function, performance, and test methods for Direct Current (DC) standard signal sources with digital output. This guide applies to DC standard signal sources which provide standardized digital voltage/current output signals in the form of a formatted digital output stream, which are used to simulate the output of voltage transformers or current transformers for DC application when testing measurement, control and protection equipment.

IEEE (Institute of Electrical and Electronics Engineers)

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New Standard

BSR/IEEE 3573-202x, Guide for Online Monitoring System for Public Electric Vehicle Charging Facilities (new standard)
Stakeholders: This guide mainly benefits power consumers, manufacturers of electricity meters, Electric vehicle manufacturers, power companies and governments.

Project Need: The accuracy of metering at public electric vehicle charging facilities is vital for fair trade and consumer interests. As the adoption of electric vehicles grows, improving metering precision is essential for industry advancement. However, challenges like onsite verification difficulties and low automation hinder effective checks. Clear guidelines for online monitoring systems, along with efficient technical models for real-time monitoring, are needed. With the rise of big data and smart grid technologies, a unified technical standard is necessary to optimize operations and enhance service quality at these facilities.

Interest Categories: A subset of the interest categories on this list is expected to comprise the consensus body: https: //ieee.app.box.com/v/Interest-Categories

This guide describes an online monitoring system for public electric vehicle charging facilities. It includes the conditions for implementing monitoring algorithms, the design of online monitoring model algorithms, and the expression of monitoring results. This guide applies to all public electric vehicle charging facilities that are open to the public for operation, including AC charging piles and DC fast charging piles. Additionally, this guide may also be used as a reference guide by researchers and scholars studying online monitoring technology for public electric vehicle charging facilities.

IEEE (Institute of Electrical and Electronics Engineers)

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New Standard

BSR/IEEE 3575-202x, Guide for Construction of Digital Twin Substation—Part 1: General Provisions (new standard)
Stakeholders: Electric power system owners; Electrical equipment operation and maintenance personnel; Equipment manufacturers; System integrator; Regulatory and government agencies.

Project Need: Through the construction of digital twin substation, the seamless integration of "physical equipment" and "virtual equipment" is realized. It provides the basis for the condition monitoring of electrical equipment, real-time monitoring of power grid operation and intelligent load prediction. The power market currently lacks digital twin substation standardization guidance documents. This project is used to build a common digital model interface for various electrical manufacturers. It is useful for eliminating technology gap of various manufacturers in digital twin substation construction technology.

Interest Categories: A subset of the interest categories on this list is expected to comprise the consensus body: https://ieee.app.box.com/v/Interest-Categories

This guide specifies fundamental conditions, a comprehensive framework, and integration specifications for the construction of digital twins for AC (Alternating Current) and DC (Direct Current) substations for rated voltage levels above 110 kV. The guide facilitates the construction and service integration of digital twin substations and addresses all personnel involved in scientific research and production of digital twin substations.

IEEE (Institute of Electrical and Electronics Engineers)

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Revision

BSR/IEEE C37.04-202x, Standard for Ratings and Requirements for AC High-Voltage Circuit Breakers with Rated Maximum Voltage Above 1000 V (revision of ANSI/IEEE C37.04-2021)
Stakeholders: Users of high voltage circuit breakers, manufacturers, and consultants.

Project Need: This project will be a general revision which will also incorporate amendment 1, IEEE Std C37.04a.

Interest Categories: A subset of the interest categories on this list is expected to comprise the consensus body: https://ieee.app.box.com/v/Interest-Categories

This standard applies to ac high-voltage circuit breakers with rated nominal voltage above 1000 V. It establishes a rating structure, preferred ratings, construction and functional component requirements. This standard encompasses the following:
- Three-pole circuit breakers used in three-phase systems;
- Single-pole circuit breakers used in single-phase systems;
- Attachments for these circuit breakers, such as bushings, current transformers, interlocks, shunt trips, etc., and auxiliary equipment sold with the circuit breakers such as closing relays and structural steel supports.
This standard does not cover circuit breakers used at frequencies other than 50 Hz or 60 Hz or generator circuit breakers that are covered in IEC/IEEE Std 62271-37-013.

IEEE (Institute of Electrical and Electronics Engineers)

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New Standard

BSR/IEEE C37.59-202x, Standard for Requirements for Conversion of Power Switchgear Equipment (new standard)
Stakeholders: The stakeholders for this project are users of power distribution switchgear, manufacturers, test laboratories, third-party certification organizations, and consulting engineering firms.

Project Need: Revision within 2028 of this standard is necessary to maintain it as an active standard. The field of conversions of power switchgear remains active and dynamic, technologies continue to evolve, creating the need to keep this document current with the state-of-the-art. New technologies, expanding application and market needs require updates to this standard to provide users, converters, and third-party agencies technically current information in the selection, application, design verification, and use of converted power switchgear equipment.

Interest Categories: A subset of the interest categories on this list is expected to comprise the consensus body: https: //ieee.app.box.com/v/Interest-Categories

This standard covers power switchgear equipment that is converted from a qualified design. It provides direction and guidance in those conversions and specifies required design verification in accordance with applicable standards Institute (ANSI), National Electrical Manufacturers Association (NEMA), UL, or IEEE standards. This standard also recognizes that production/field testing does not provide design verification. It can only be accomplished by means of design testing and technical evaluation.

IEEE (Institute of Electrical and Electronics Engineers)

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New Standard

BSR/IEEE C37.303-202x, Guide for Field Measurement of Partial Discharge within Switchgear (above 1000 Vac) (new standard)
Stakeholders: Switchgear users and manufacturers, switchgear users; PD measuring instrument users and manufacturers

Project Need: This guide provides context and describes diagnostic methods capable of detecting or locating partial discharges from defects and damages in switchgear components or assemblies. This guide describes practices used in the measurement of partial discharge, and the interpretation and reporting of partial discharge within installed switchgear. This will aid the user in determining which approaches should be used in assessing the switchgear.

Interest Categories: A subset of the interest categories on this list is expected to comprise the consensus body: https: //ieee.app.box.com/v/Interest-Categories

This guide presents field methods for detection, measurement, and localization of partial discharge (PD) in energized switchgear (above 1000 Vac) and the interpretations thereof. The main focus of the guide is: Establishing a baseline for PD detection or measurement; Establishing trending based on PD measurements over time; Providing guidance on recording and reporting of PD measurements; Further actions recommended to the user of this guide based on the outcome of the PD measurements.

IEEE (Institute of Electrical and Electronics Engineers)

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New Standard

BSR/IEEE C57.12.55-202x, Standard for Enclosure Requirements for Dry-type Transformers (new standard)
Stakeholders: All manufactures and users of dry-type transformers.

Project Need: This standard needs to be brought up to IEEE current format. Several items are now addressed in other current standards that need to be removed from this standard.

Interest Categories: A subset of the interest categories on this list is expected to comprise the consensus body: https: //ieee.app.box.com/v/Interest-Categories

This standard describes requirements for mechanical and environmental conditions for dry-type transformer enclosures. These enclosures may be ventilated, non-ventilated, or sealed.

IEEE (Institute of Electrical and Electronics Engineers)

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New Standard

BSR/IEEE C57.13.11-202x, Standard Requirements for Low Power Instrument Transformers for 69kV or Higher Nominal System Voltage (new standard)
Stakeholders: Utilities, manufacturers, university researchers

Project Need: There is no comprehensive standard available for low power instrument transformers within IEEE, and their application to measure current and voltage in high-voltage power systems is also becoming more frequent. This standard addresses these needs.

Interest Categories: A subset of the interest categories on this list is expected to comprise the consensus body: https: //ieee.app.box.com/v/Interest-Categories

This standard applies to low-power instrument transformers for 69 kV or higher nominal system voltage high-power circuit, for connection between line and ground, to supply voltage and/or current information (analog and/or digital) for measurement, control, protective and other defined functions

IEEE (Institute of Electrical and Electronics Engineers)

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New Standard

BSR/IEEE C57.15.01-202x, Standard Requirements for Pad-Mounted Compartmental-Type Step-Voltage Regulators (new standard)
Stakeholders: Electrical Distribution Utility Sector

Project Need: Due to emerging industry trends, including wild fire mitigation efforts, the prevalence of Pad-Mounted Step-Voltage Regulators is increasing. Therefore, it is an appropriate time to start work on a standard that addresses the requirements for this specific product type.

Interest Categories: A subset of the interest categories on this list is expected to comprise the consensus body: https: //ieee.app.box.com/v/Interest-Categories

This standard describes electrical and mechanical requirements for liquid-filled, single- and three- phase, 50-Hz and 60-Hz, pad-mounted compartmental-type step-voltage regulators, 667 kVA (single-phase units) or 2000 kVA (three-phase units) and smaller, 2400 V through 34 500 V.

IEEE (Institute of Electrical and Electronics Engineers)

Teresa Belmont <t.belmont@ieee.org> | 445 Hoes Lane, 3rd Floor | Piscataway, NJ 08854 www.ieee.org

Revision

BSR/IEEE C57.140-202x, Guide for Evaluation and Reconditioning of Liquid Immersed Power Transformers (revision of ANSI/IEEE C57.140-2017)
Stakeholders: Users and maintainers of power transformers, as well as firms who offer power transformer reconditioning services

Project Need: To review and update this guide with the most current and relevant information.

Interest Categories: A subset of the interest categories on this list is expected to comprise the consensus body: https: //ieee.app.box.com/v/Interest-Categories

This document provides guidelines for the following: insulating oil maintenance and diagnostics, oil reclamation, testing methods for the determination of remaining insulation (paper) life, and upgrades of auxiliary equipment such as bushings, gauges, de-energized tap changers (DETCs), load tap changers (LTCs) (where applicable), and coil re-clamping. The guide assists the user in extending the useful life of a transformer.

MSS (Manufacturers Standardization Society)

Stefania Adjei <standards@msshq.org> | 441 N. Lee Street | Alexandria, VA 22314 www.mss-hq.org

Revision

BSR/MSS SP-58-202x, Pipe Hangers and Supports – Materials, Design, Manufacture, Selection, Application, and Installation (revision of ANSI/MSS SP-58-2018)
Stakeholders: Plumbing, HVAC, construction, mechanical, electrical, industrial, fluid conveyance, and other related industries.

Project Need: To provide public safety and to assist and guide those tasked with the design, manufacture, specification, use, and inspection of pipe hangers, systems, and supports. This Standard Practice is widely used in industry and normatively referenced in other current standards. As such, this Standard Practice warrants elevation to national status.

Interest Categories: Plumbing, HVAC, construction, mechanical, electrical, industrial, fluid conveyance, and other related industries.

This Standard Practice establishes: (1) the material, design, fabrication, and inspection criteria to be used in the manufacture of standard types of pipe hanger components; (2) establishes the allowable stress values for materials used in standard types of pipe support components and unique hanger design assemblies; (3) establishes minimum design load ratings for rigid pipe hanger assemblies; (4) presents the recommended practice for the selection and application of pipe hangers and supports for all service temperatures; and (5) establishes recommended procedures for detailing, fabrication, and installation of pipe hangers and supports.

NEMA (ASC C29) (National Electrical Manufacturers Association)

Paul Crampton <Paul.Crampton@nema.org> | 1300 17th St N #900, | Arlington, VA 22209 www.nema.org

Revision

BSR C29.1-202X, Standard - Test Methods for Electrical Power Insulators (revision of ANSI C29.1-2018)
Stakeholders: Manufacturers, Electric Power Utilities, HV Transmission systems

Project Need: Need to revise existing standard

Interest Categories: Producer, User, and General Interest

This standard comprises a manual of test methods to be followed in making tests to determine the characteristics of electrical power insulators, as defined herein. Individual tests shall be made only when specified.

NEMA (ASC C29) (National Electrical Manufacturers Association)

Paul Crampton <Paul.Crampton@nema.org> | 1300 17th St N #900, | Arlington, VA 22209 www.nema.org

Revision

BSR C29.2A-202x, Wet Process Porcelain and Toughened Glass - Distribution Suspension Type (revision of ANSI C29.2A-2020)
Stakeholders: Manufacturers,Electric Power Utility companies, Public Utilities, High voltage electric transmission systems

Project Need: Need to revise the existing standard

Interest Categories: Producer, User, and General Interest

This standard covers distribution suspension-type insulators, 4-1/4 inches (108 millimeters) to 8 inches (203 millimeters) in diameter, made of wet-process porcelain or of toughened glass and used in the distribution of electrical energy.

NEMA (ASC C29) (National Electrical Manufacturers Association)

Paul Crampton <Paul.Crampton@nema.org> | 1300 17th St N #900, | Arlington, VA 22209 www.nema.org

Revision

BSR C29.11-202x, Composite Insulators - Test Methods (revision of ANSI C29.11-2020)
Stakeholders: Utilities, Consulting Engeers, Transmission and Distribution, High voltage Insulator Manufacturers

Project Need: Need to revise existing standard

Interest Categories: Producer, User, and General Interest

This standard comprises a manual of test methods to be followed in making tests to determine the characteristics of composite electrical power insulators, as defined herein.

NEMA (ASC C29) (National Electrical Manufacturers Association)

Paul Crampton <Paul.Crampton@nema.org> | 1300 17th St N #900, | Arlington, VA 22209 www.nema.org

Revision

BSR C29.12-202x, Composite Insulators - Transmission Suspension Type (revision of ANSI C29.12-2020)
Stakeholders: Utilities, Consulting Engeers, Transmission and Distribution, High voltage Insulator Manufacturers

Project Need: Update to current industry practices

Interest Categories: Producer, User, and General Interest

This standard covers composite suspension (tension) insulators with a minimum section length of 46 inches (1168.4 mm) made of a fiberglass-reinforced resin matrix core, polymer material weathersheds, and metal end fittings intended for use on overhead transmission lines for electric power systems. Mechanical and electrical performance levels specified herein are requirements for new insulators.

NEMA (ASC C29) (National Electrical Manufacturers Association)

Paul Crampton <Paul.Crampton@nema.org> | 1300 17th St N #900, | Arlington, VA 22209 www.nema.org

Revision

BSR C29.13-202x, Composite Insulators - Distribution Deadend Type (revision of ANSI C29.13-2018)
Stakeholders: Utilities, Consulting Engeers, Transmission and Distribution, High voltage Insulator Manufacturers

Project Need: Need to revise existing standard

Interest Categories: Producer, User, and General Interest

This standard covers composite distribution deadend insulators made of a fiberglass-reinforced resin matrix core, polymer material weathersheds, and metal end fittings intended for use on overhead lines for electric power systems, 69 kV and below. Mechanical and electrical performance levels specified herein are requirements for new insulators.

NEMA (ASC C82) (National Electrical Manufacturers Association)

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

National Adoption

BSR C82.77-3-202X, Standard for Lighting Equipment - Electromagnetic Compatibility (EMC) Testing and Measurement Techniques - Radiated, Radio-Frequency Electromagnetic Field Immunity Test (national adoption of IEC 61000-4-3, ed 4 (2020) with modifications and revision of ANSI C82.77-3-2020)
Stakeholders: LED Driver, Ballast, Lamps, and Luminaire manufacturers, government entities, laboratories, and consultants

Project Need: This project is needed to update the reference to the adoption of IEC 61000-4-3, ed 4 (2020).

Interest Categories: Producers, Users, General Interest

The C82 Consensus Body adopts IEC 61000-4-3, ed 4 (2020) as a Nationally Acknowledged International Standard with deviations.

SIA (Security Industry Association)

Adom Yusuf <ayusuf@securityindustry.org> | 8455 Colesville Road, Suite 1200 | Silver Spring, MD 20910 www.siaonline.org

Revision

BSR/SIA DC-09-2024-202x, SIA Digital Communication Standard - Internet Protocol Event Reporting DC-09-2024 (revision of ANSI/SIA DC-09-2023)
Stakeholders: Security, telecom, medical

Project Need: The form update was necessary to enhance security for alarm communication, fix existing bugs, and add new features. These improvements strengthen system reliability, address functional issues, and improve usability to meet industry needs.

Interest Categories: SIA

The SIA DC-09-2024: Internet Protocol Event Reporting Standard defines the protocol for reporting events from premises equipment to a central station using Internet Protocol (IP). It ensures compatibility between manufacturers, improving communication reliability and security. The standard covers encryption requirements, message structures, supervision mechanisms, error handling procedures and guidelines for validation.

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: April 20, 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 62.1r-202x, Ventilation and Acceptable Indoor Air Quality (addenda to ANSI/ASHRAE Standard 62.1-2022)
On February 7, 2024, EPA strengthened the National Ambient Air Quality Standards for Particulate Matter (PM NAAQS) to protect millions of Americans from harmful and costly health impacts, such as heart attacks and premature death. Particulate pollution, including fine soot particles, is a significant air-quality concern, with extensive scientific evidence linking it to a range of health effects. We currently use an older version of the EPA NAAQS with an annual PM2.5 limit of 12 g/m. This proposed addendum updates the value to align with the latest EPA limit, which sets the primary) annual PM2.5 standard at 9.0 g/m to provide increased public health protection, consistent with the available health science.
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: April 20, 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 62.1s-202x, Ventilation and Acceptable Indoor Air Quality (addenda to ANSI/ASHRAE Standard 62.1-2022)
This proposed addendum expands the available testing methods for acetaldehyde and acetone by allowing these compounds to be tested using TO-17, this update achieves benefits such as:
- Expanded Testing Possibilities: More laboratories will have the capability to test for acetaldehyde and acetone;
- Greater Laboratory Availability: Since TO-17 is widely used, more labs can offer this testing, reducing logistical challenges.
- Improved Cost Efficiency: TO-17 provides a more economical alternative compared to TO-11 method, making air-quality assessments more affordable.
Also, this proposed addendum updates EPA TO-11 to TO-11A to reflect the latest revision of the method. TO-11A provides improved analytical accuracy and updated quality control procedures.
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

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Addenda

BSR/ASHRAE Addendum 62.1t-202x, Ventilation and Acceptable Indoor Air Quality (addenda to ANSI/ASHRAE Standard 62.1-2022)
The existing standard for Objective Evaluation does not specify if monitoring must be continuous. If an evaluator elects to perform discontinuous monitoring, there is no specification of the minimum amount of time that must be included. The existing standard also requires that the peak, not average, concentration of carbon monoxide be less than the DL, whereas the cognizant authority specified that the carbon monoxide limit was based on 8 hours. This proposed addendum realigns the carbon monoxide limits and provides a minimum for discontinuous monitoring.
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: April 20, 2025

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Addenda

BSR/ASHRAE Addendum 62.1u-202x, Ventilation and Acceptable Indoor Air Quality (addenda to ANSI/ASHRAE Standard 62.1-2022)
A growing trend within occupied buildings is to install prefabricated occupiable structures within existing spaces to allow for temporary private occupancy. These pods are being used for sleeping, meditating, working, meeting, lactating, and more. The 2024 edition of NFPA 101 Life Safety Code has added requirements for these spaces. This code has noted two different prefabricated structures; sleep pods and modular rooms. Sleep pods and modular rooms are often added after the building is constructed and occupied, therefore were not part of the ventilation design. However, it is important that these occupied spaces are still provided with ventilation air and manufactured with passive fixed opening, forced fan-driven airflow, or means to connect to the mechanical ventilation system. These sleep pods and modular spaces are class 1 spaces, and thereby if they are provided ventilation air by transfer air, they shall be located only in class 1 spaces.
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 34-2024, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2022)
This proposed addendum adds the zeotropic refrigerant blend R-494B to Tables 4-2 and D-2.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Online Comment Database at https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

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

BSR/ASHRAE Addendum b to ANSI/ASHRAE Standard 34-2024, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2022)
This proposed addendum adds the zeotropic refrigerant blend R-496A to Tables 4-2 and D-2.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Online Comment Database at https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

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Addenda

BSR/ASHRAE Addendum c to ANSI/ASHRAE Standard 34-2024, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2022)
This proposed addendum adds the zeotropic refrigerant blend R-497A to Tables 4-2 and D-2.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Online Comment Database at https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

Comment Deadline: April 20, 2025

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

BSR/ASHRAE Addendum c to ANSI/ASHRAE Standard 90.4-2022, Energy Standard for Data Centers (addenda to ANSI/ASHRAE Standard 90.4-2022)
Addendum c updates the Normative References to Section 12.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: standards.section@ashrae.org

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 34-2024, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2022)
This proposed addendum adds the zeotropic refrigerant blend R-498A to Tables 4-2 and D-2.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Online Comment Database at https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

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

BSR/ASHRAE Addendum e to ANSI/ASHRAE Standard 34-2024, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2022)
This proposed addendum adds the zeotropic refrigerant blend R-479B to Tables 4-2 and D-2.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Online Comment Database at https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

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Addenda

BSR/ASHRAE Addendum f to ANSI/ASHRAE Standard 34-2024, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2022)
This proposed addendum adds the zeotropic refrigerant blend R-499A to Tables 4-2 and D-2.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Online Comment Database at https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

Comment Deadline: April 20, 2025

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

BSR/ASHRAE Addendum g to ANSI/ASHRAE Standard 34-2024, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2022)
This proposed addendum adds the zeotropic refrigerant blend R-4101A to Tables 4-2 and D-2.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Online Comment Database at https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

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Addenda

BSR/ASHRAE Addendum h to ANSI/ASHRAE Standard 34-2024, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2022)
This proposed addendum adds the zeotropic refrigerant blend R-4102A to Tables 4-2 and D-2.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Online Comment Database at https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

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

BSR/ASHRAE Addendum i to ANSI/ASHRAE Standard 34-2024, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2022)
This proposed addendum removes existing unclassified refrigerants from Table 4-1 and moves them to a new table, Table 4-3, for compounds assigned a number designation but not a safety classification. The addendum also clarifies application instructions for compounds to receive a number designation only (without a safety classification) and details the flammability and toxicity data requirements.
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.)
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Addenda

BSR/ASHRAE Addendum j to ANSI/ASHRAE Standard 34-2024, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2022)
This proposed addendum revises the approach to classifying the toxicity of refrigerants.
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: April 20, 2025

IICRC (The Institute of Inspection, Cleaning and Restoration Certification)

4043 S Eastern Ave.,, Las Vegas, NV 89119 | mwashington@iicrcnet.org, https://www.iicrc.org

New Standard

BSR/IICRC S410-202x, Standard for Professional Cleaning of the Built Environment for Infection Prevention and Control (new standard)
This standard will provide practical principles, methods, and processes to clean, sanitize, and evaluate the cleaning of the built environment. Further, this Standard will focus on reaching a hygienically clean outcome with verifiable results. This standard will also establish methods and processes to document, clean, sanitize, disinfect, and evaluate facilities that require a higher level of cleaning. This standard does not cover cleaning of healthcare or agricultural facilities.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: https://iicrc.org/s410/

ULSE (UL Standards & Engagement)

47173 Benicia Street, Fremont, CA 94538 | Marcia.M.Kawate@ul.org, https://ulse.org/

Revision

BSR/UL 174-202x, Standard for Safety for Household Electric Storage Tank Water Heaters (revision of ANSI/UL 174-2024)
The following topics are being proposed: (1) Smart-Enabled Water Heater Clarifications and (2) Withdrawal and Replacement of ANSI/ISA MC96.1, Temperature Measurement Thermocouples.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/ProposalAvailable

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 723-202x, Standard for Test for Surface Burning Characteristics of Building Materials (revision of ANSI/UL 723-2018 (R2023))
1.1 This method of test for surface burning characteristics of building materials is applicable to any type of building material that, by its own structural quality or the manner in which it is applied, is capable of supporting itself in position or being supported in the test furnace to a thickness comparable to its intended use.
1.2 The purpose of the test is to determine the comparative burning characteristics of the material under test by evaluating the spread of flame over its surface and the density of the smoke developed when exposed to a test fire, and thus to establish a basis on which surface burning characteristics of different materials are compared, without specific regard to all the end-use parameters that affect the surface burning characteristics.
1.3 This method of test is intended to register performance during the period of exposure, and not to determine suitability for use after the test exposure. Reference the requirements in the Standard for Fire Tests of Building Construction and Materials, UL 263, for procedures for determining the performance, under fire exposure conditions, of building constructions and materials when incorporated into a test structure and subjected to a standard exposing fire of controlled extent and severity.
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: April 20, 2025

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 985-202x, Standard for Household Fire Warning System Units (revision of ANSI/UL 985-2018 (R2022))
(1) Jarring Test Methods for Desktop, Freestanding, Non-wall and Non-ceiling Type Mounted Products (Recirculation).
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/ProposalAvailable

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 1484-202x, Standard for Fuel Gas Alarms (revision of ANSI/UL 1484-2022a)
The intent of this proposal is to harmonize/align this requirement with the current corrosion test requirements found in UL 217/CAN ULC-S531 and UL 2034. These products are used in the same occupancies and environments therefore should be required to meet the same corrosion test requirements.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: csds.ul.com

Comment Deadline: May 5, 2025

ABYC (American Boat and Yacht Council)

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

Revision

BSR/ABYC H-4-202x, Cockpit Drainage Systems (revision of ANSI/ABYC H-4-2020)
This standard applies to all boats with cockpits and addresses the definition, design, and construction of cockpit drainage systems.
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 H-31-202x, Seat Structures (revision of ANSI/ABYC H-31-2020)
This standard addresses the design, construction, installation, and testing of permanently installed seating systems in boats. This standard applies to permanently installed seats in cockpits, deck areas, and all helm position(s), including their fastenings and structures to which they are attached. This standard does not address any other equipment (e.g., ski pylons, tables, etc.) that can be placed in a seat socket, ergonomics, seating arrangements, shock and vibration mitigation, and possible misuse of the seat (e.g., sitting on seat backs or armrests).
Single copy price: $50.00
Obtain an electronic copy from: abycinc.org
Send comments (copy psa@ansi.org) to: comments@abycinc.org

Comment Deadline: May 5, 2025

ABYC (American Boat and Yacht Council)

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

Revision

BSR/ABYC P-14-202x, Mechanical Propulsion Control Systems (revision of ANSI/ABYC P-14-2020)
This standard addresses the design, construction, testing, and installation of systems for mechanical remote control of the forward and reverse thrust, speed, and trim/tilt of propulsion machinery on boats.
Single copy price: $50.00
Obtain an electronic copy from: abycinc.org
Send comments (copy psa@ansi.org) to: comments@abycinc.org

AWS (American Welding Society)

8669 NW 36th St, Miami, FL 3316 | acelaya@aws.org, www.aws.org

Revision

BSR/AWS D8.2M-202x, Specification for Automotive Weld Quality-Resistance Spot Welding of Aluminum (revision of ANSI/AWS D8.2M-2017)
This document contains both visual and measurable acceptance criteria for resistance spot welds in aluminum. The information contained herein may be used as an aid by designers, resistance welding equipment manufacturers, welded product producers, and others involved in the automotive industry and resistance spot welding of aluminum.
Single copy price: $42.00
Obtain an electronic copy from: acelaya@aws.org
Send comments (copy psa@ansi.org) to: Same

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

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

Reaffirmation

BSR/ASSE 1008-2020 (R202x), Performance Requirements for Plumbing Aspects of Residential Food Waste Disposer Units (reaffirmation of ANSI/ASSE 1008-2020)
These devices shall be designed to reduce food waste particle sizes for discharging into the sanitary drainage system. Devices shall include a means of self-cleaning and means to protect against mechanical shock. When a dishwasher discharge connection(s) is incorporated in the device, the device shall be designed so that if the discharge connection becomes blocked, backflow into the dishwasher shall not occur.
Single copy price: Free
Obtain an electronic copy from: standards@iapmostandards.org
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: May 5, 2025

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

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

Reaffirmation

BSR/ASSE 1020-2020 (R202x), Performance Requirements for Pressure Vacuum Breaker Assemblies (reaffirmation of ANSI/ASSE 1020-2020)
The assembly shall contain an independently acting check valve force loaded to the closed position, and an independently acting air inlet valve located downstream of the check valve that is force loaded to the open position. The assembly shall also include two tightly closing shutoffs, one at the inlet of the assembly and one at the outlet of the assembly, and two tightly closing test cocks, one immediately upstream and one immediately downstream of the check valve.
Single copy price: Free
Obtain an electronic copy from: standards@iapmostandards.org
Send comments (copy psa@ansi.org) to: Same

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

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

Reaffirmation

BSR/ASSE 1023-2020 (R202x), Performance Requirements for Electrically Heated or Cooled Water Dispensers (reaffirmation of ANSI/ASSE 1023-2020)
Device shall consist of an accumulator vented to atmosphere when a heater is included, a thermal element or cooler, connection to an electrical outlet, and a dispensing fitting.
Single copy price: Free
Obtain an electronic copy from: standards@iapmostandards.org
Send comments (copy psa@ansi.org) to: Same

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

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

Reaffirmation

BSR/ASSE 1035-2020 (R202x), Performance Requirements for Laboratory Faucet Backflow Preventers (reaffirmation of ANSI/ASSE 1035-2020)
This standard applies only to those devices classified as backflow preventers that are designed for installation on laboratory faucets on the discharge side of the last shut-off valve. These devices are not for use under constant pressure conditions. These devices consist of two independently acting check valves, force loaded or biased to a normally closed position, and between the check valves a means for automatically venting to atmosphere, force loaded or biased to normally open position.
Single copy price: Free
Obtain an electronic copy from: standards@iapmostandards.org
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: May 5, 2025

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

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

Reaffirmation

BSR/ASSE 1060-2017 (R202x), Performance Requirements for Outdoor Enclosures for Fluid Conveying Components (reaffirmation of ANSI/ASSE 1060-2017 (R2021))
The enclosures incorporate features to provide for positive drainage, security, and accessibility for monitoring, testing, repairing, and replacing of the components. The enclosures shall provide freeze protection, freeze retardation or non-freeze protection of the components, and be vandal resistant.
Single copy price: Free
Obtain an electronic copy from: standards@iapmostandards.org
Send comments (copy psa@ansi.org) to: Same

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

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

Reaffirmation

BSR/ASSE 1069-2020 (R202x), Performance Requirements for Automatic Temperature Control Mixing Valves (reaffirmation of ANSI/ASSE 1069-2020)
These devices shall be designed to supply only tempered water to the end user, and automatically compensate for pressure and/or temperature variations in water distribution systems. These devices shall have the capability to significantly reduce the outlet flow in the event of a cold-water distribution system failure. The device shall be equipped with an adjustable means to limit the setting of the device towards the hot position. The device is intended to be the final temperature control.
Single copy price: Free
Obtain an electronic copy from: standards@iapmostandards.org
Send comments (copy psa@ansi.org) to: Same

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

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

Reaffirmation

BSR/ASSE 1081-2014 (R202x), Performance Requirements for Backflow Preventers with Integral Pressure Reducing Boiler Feed Valve and Intermediate Atmospheric Vent Style for Domestic and Light Commercial Water Distribution Systems (reaffirmation of ANSI/ASSE 1081-2014 (R2020))
The devices covered by this standard are multi-functional products, combined integrally in a single housing or manifold to provide the required features in a compact format that is serviceable and easily installed. These devices are intended to provide the same benefits and features as the products individually manufactured and qualified under ASSE 1003-2009, Performance Requirements for Water Pressure Reducing Valves for Domestic Water Distribution Systems, and ASSE 1012-2009, Performance Requirements for Backflow Preventer with an Intermediate Atmospheric Vent, except where specific limitations have been applied to suit residential and light commercial boiler feed and applications.
Single copy price: Free
Obtain an electronic copy from: standards@iapmostandards.org
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: May 5, 2025

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

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

Reaffirmation

BSR/ASSE 1090-2020 (R202x), Performance Requirements for Drinking Water Atmospheric Water Generators (AWG) (reaffirmation of ANSI/ASSE 1090-2020)
This standard has been created to test point of use and commercial drinking water generating systems that are designed to create potable water from humidity. Critical components of these systems include a surface chilled below the dewpoint of the ambient air, storage tank and disinfection control techniques to address microbiological water contamination. This standard is not intended to verify chemical, particulate, or other water purity claims made by the manufacturer. Systems may include filtration to reduce chemical and particulate water contamination. Proper design shall include consideration for the energy efficiency of the atmospheric water generator.
Single copy price: Free
Obtain an electronic copy from: standards@iapmostandards.org
Send comments (copy psa@ansi.org) to: Same

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

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

Revision

BSR/ASSE 1061-202x, Performance Requirements for Push-Fit Fittings (revision of ANSI/ASSE 1061-2020)
The purpose of this standard is to establish minimum performance requirements for push-fit fittings and push-fit connections that are integrated into plumbing devices (herein referred to as the “fitting”). The fittings described in this standard are intended for use in residential and commercial hot and cold potable water distribution systems, reclaimed water, fire protection, water service lines, building supply lines and hydronic heating and cooling systems in residential and commercial applications.
Single copy price: Free
Obtain an electronic copy from: standards@iapmostandards.org
Send comments (copy psa@ansi.org) to: Same

MHI (Material Handling Industry)

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

New Standard

BSR MH31.3-202X, Test Method for Topple Barriers (new standard)
This standard provides a test method of evaluating static load and creep performance characteristics for topple barriers. A topple barrier is a guard similar to appearance to a tall fence engineered to withstand the impact of falling stacked objects, while preventing them from tumbling into areas where personnel, other products, or machinery are located. Topple barriers can be constructed from a variety of different materials and can come in a variety of sizes.
Single copy price: $25.00
Obtain an electronic copy from: pdavison@mhi.org
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: May 5, 2025

MHI (Material Handling Industry)

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

Revision

BSR ACE 35-202X, Electrification Systems for Electric Overhead Traveling Cranes (revision of ANSI/MHI ECMA 35 -2018)
This standard provides minimum requirements and guidelines for AC and DC electrifications for electric overhead traveling cranes and monorail cranes. Electrification systems include: conductor bars; festoon systems; cable chains; spring-driven reels; and motor-driven reels.
Single copy price: $25.00
Obtain an electronic copy from: pdavison@mhi.org
Send comments (copy psa@ansi.org) to: Same

NECA (National Electrical Contractors Association)

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

New Standard

BSR/NECA 726-202X, Standard for Installing and Maintaining Class 4 Fault-Managed Power (FMP) Systems (new standard)
1.1 Products and Applications Included. This Standard describes the procedures for installing and maintaining Class 4 Fault-Managed Power (FMP) Systems rated 450VDC and less, and 450VAC peak and less.
1.2 Products and Applications Excluded. This Standard does not apply to:
- Design of Class 4 FMP systems and circuits;
- Systems and circuits outside of Class 4 FMP systems and circuits.
Single copy price: $Members; -30, Non-Members; -60
Obtain an electronic copy from: neis@necanet.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-89-648-2011 (R202x), Standard for Aerial Service Wire (reaffirmation of ANSI ICEA S-89-648-2011 (R2019))
This Standard covers material, mechanical and electrical requirements for Aerial Service Wire (ASW) intended for use principally in extending a telephone circuit from a distribution cable terminal to a subscriber's station protector or network interface device (NID).
Single copy price: $100.00
Obtain an electronic copy from: communication@nema.org
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: May 5, 2025

NFPA (National Fire Protection Association)

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

Revision

BSR/NFPA 70-202x, National Electrical Code® (revision of ANSI/NFPA 70®-2023)
The Code's purpose is the practical safeguarding of persons and property from hazards arising from the use of electricity. This Code is not intended as a design specification or instruction manual for untrained persons. This Code contains provisions that are considered necessary for safety. Compliance and proper maintenance result in installations that are essentially free from hazard but not necessarily efficient, convenient, or adequate for good service/future expansion of electrical use. This Code covers the installation and removal of electrical conductors, equipment, and raceways; signaling and communications conductors, equipment, and raceways; and optical fiber cables for the following: (1) Public and private premises (buildings, structures, mobile homes, recreational vehicles, and floating buildings); (2) Yards, lots, parking lots, carnivals, and industrial substations; (3) Installations of conductors and equipment that connect to the supply of electricity; (4) Installations used by the electric utility (e.g., office buildings, warehouses, garages, machine shops, and recreational buildings), that are not an integral part of a generating plant, substation, or control center; (5) Installations supplying shore power to ships and watercraft in marinas and boatyards, including monitoring of leakage current; (6) Installations used to export electric power from vehicles to premises wiring or for bidirectional current flow.
Obtain an electronic copy from: www.nfpa.org/70next
Send comments (copy psa@ansi.org) to: www.nfpa.org/70next

NFPA (National Fire Protection Association)

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

Revision

BSR/NFPA 101-202x, Life Safety Code® (revision of ANSI/NFPA 101®-2024)
The Code addresses those construction, protection, and occupancy features necessary to minimize danger to life from the effects of fire, including smoke, heat, and toxic gases created during a fire. The Code establishes minimum criteria for the design of egress facilities so as to allow prompt escape of occupants from buildings or, where desirable, into safe areas within buildings. The Code additionally addresses other considerations essential to life safety in recognition of the fact that life safety is more than a matter of egress including protective features and systems, building services, operating features, maintenance activities, and other provisions in recognition of the fact that achieving an acceptable degree of life safety depends on additional safeguards to provide adequate egress time or protection for people exposed to fire.
Obtain an electronic copy from: www.nfpa.org/101next
Send comments (copy psa@ansi.org) to: www.nfpa.org/101next

Comment Deadline: May 5, 2025

NFPA (National Fire Protection Association)

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

Revision

BSR/NFPA 5000-202x, Building Construction and Safety Code® (revision of ANSI/NFPA 5000®-2024)
The purpose of the Code is to provide minimum design regulations to safeguard life, health, property, and public welfare and to minimize injuries by regulating and controlling the permitting, design, construction, quality of materials, use and occupancy, location, and maintenance of all buildings and structures within the jurisdiction and certain equipment specifically regulated herein. The provisions shall apply to the construction, alteration, repair, equipment, use and occupancy, maintenance, relocation, and demolition of every building or structure, or any appurtenances connected or attached to such buildings or structures within the jurisdiction. Additionally, the provisions of this Code shall apply to existing buildings where any one of the following conditions applies: (1) A change of use or occupancy classification occurs; (2) A repair, renovation, modification, reconstruction, or an addition is made; (3) The building or structure is relocated; (4) The building is considered damaged, unsafe, or a fire hazard; and (5) A property line that affects compliance with any provision of this Code is created or relocated.
Obtain an electronic copy from: www.nfpa.org/5000next
Send comments (copy psa@ansi.org) to: www.nfpa.org/5000next

SMACNA (Sheet Metal and Air-Conditioning Contractors National Association)

4201 Lafayette Center Drive, Chantilly, VA 20151-1219 | gparks@smacna.org, www.smacna.org

New Standard

BSR/SMACNA 001-202X, Seismic Restraint Manual: Guidelines for Mechanical Systems (new standard)
This fourth edition of the Seismic Restraint Manual: Guidelines for Mechanical Systems has been updated to conform to the International Code Council for anchorage capacities. All Seismic Reinforcement Brace (SRB) tables have been updated to provide users with more SRB options including the addition of new tables. Refreshed instructions for using the guidelines. Chapter 9 expansion anchor tables have been updated with new tables. New Appendix B to assist in determining the weight of the duct or pipe to be braced. Many new and updated details have been included to align with changes made throughout the document.
Single copy price: $100.00
Obtain an electronic copy from: https://www.smacna.org/technical
Send comments (copy psa@ansi.org) to: Geoffrey Parks <gparks@smacna.org>

SMACNA (Sheet Metal and Air-Conditioning Contractors National Association)

4201 Lafayette Center Drive, Chantilly, VA 20151-1219 | gparks@smacna.org, www.smacna.org

New Standard

BSR/SMACNA 002-202X, Rectangular Industrial Duct Construction Standards (new standard)
This third edition of the Rectangular Industrial Duct Construction Standards includes many of the same assumptions as the first and second edition with a number of added features. Expanded panel pressure capacity tables and stiffener spacing options for carbon and coated steel, stainless steel, and aluminum to accommodate larger ducts and allow for added duct construction options. Stainless steel panel pressure capacity tables added for Class 2, 3, and 4 applications with additional stainless steel operating temperature design capabilities. Laboratory testing, physical testing, and data analysis on rectangular duct was completed to further evaluate side wall shear capacities of local buckling to those already introduced in the first and second edition.
Single copy price: $100.00
Obtain an electronic copy from: https://www.smacna.org/technical
Send comments (copy psa@ansi.org) to: Geoffrey Parks <gparks@smacna.org>

Comment Deadline: May 5, 2025

ULSE (UL Standards & Engagement)

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

Reaffirmation

BSR/UL 482-2005 (R202x), Standard for Safety for Portable Sun/Heat Lamps (reaffirmation of ANSI/UL 482 -2005 (R2020))
Reaffirmation and continuance of the 9th Edition of the Standard for Safety for Portable Sun/Heat Lamps, UL 482, as an 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 in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/ProposalAvailable

ULSE (UL Standards & Engagement)

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

Reaffirmation

BSR/UL 2808-2020 (R202x), Standard for Safety for Energy Monitoring Equipment (reaffirmation of ANSI/UL 2808-2020)
Reaffirmation and continuance of the First Edition of the Standard for Safety for Energy Monitoring Equipment, UL 2808, as an 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 in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault

ULSE (UL Standards & Engagement)

47173 Benicia Street, Fremont, CA 94538 | Marcia.M.Kawate@ul.org, https://ulse.org/

Revision

BSR/UL 2208-202x, Standard for Safety for Solvent Distillation Units (revision of ANSI/UL 2208-2020)
The following topic is being proposed: (1) Editorial updates for new edition.
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 | griff.edwards@ul.org, https://ulse.org/

Revision

BSR/UL 2572-202x, Standard for Mass Notification Systems (revision of ANSI/UL 2572-2018 (R2024))
(1) Add Class N, C, D, E pathways, and requirements for multiple primary batteries.
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: May 20, 2025

ASME (American Society of Mechanical Engineers)

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

Reaffirmation

BSR/ASME B5.50-2015 (R202x), 7/24 Taper Tool to Spindle Connection for Automatic Tool Change (reaffirmation of ANSI/ASME B5.50-2015)
This Standard pertains to the standardization of basic toolholder shank, retention knob, and socket assemblies for numerically controlled machining centers with automatic tool changers.
Single copy price: $38.00
Order from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm
Send comments (copy psa@ansi.org) to: Daniel Papert <papertd@asme.org□>

ASME (American Society of Mechanical Engineers)

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

Reaffirmation

BSR/ASME MFC-4M-1986 (R202x), Measurement of Gas Flow by Turbine Meters (reaffirmation of ANSI/ASME MFC-4M-1986 (R2016))
This Standard applies to: (1) axial full-flow turbine meters with mechanical and/or electrical outputs whose rotating member is driven by a compressible fluid; (2) the measurement of gas by a turbine meter; (3) the meter's construction, installation, operation, performance characteristics, data computation and presentation, calibration, field checking, and other related considerations of the meter. This Standard does not apply to: (1) accessory equipment used to measure pressure and temperature, and/or density for the accurate determination of mass or base volumes, or those accessories used to automatically compute mass or base volumes; (2) steam metering or two-phase flow measurement; and (3) applications involving pulsating flow or fluctuating flows where adverse effects on meter accuracy can be anticipated.
Single copy price: $33.00
Order from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm
Send comments (copy psa@ansi.org) to: Shaimaa Khalifa

ASME (American Society of Mechanical Engineers)

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

Reaffirmation

BSR/ASME MFC-26-2011 (R202x), Measurement of Gas Flow by Bellmouth Inlet Flowmeters (reaffirmation of ANSI/ASME MFC-26-2011)
This Standard applies to steady flow of single-phase gases in bellmouth inlet flowmeters with subsonic flow. It covers calibration procedures and uncertainty limits for consistent application. Flowmeters should only be used within tested ranges. The Standard details geometry and methods for determining flow rates with associated uncertainty. A bellmouth flowmeter connects to a reservoir (ambient or plenum) and features a convergent inlet with constant throat. This differential pressure device measures flow using pressure differences at a specified throat location.
Single copy price: $54.00
Order from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm
Send comments (copy psa@ansi.org) to: Shaimaa Khalifa

Comment Deadline: May 20, 2025

ASME (American Society of Mechanical Engineers)

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

Reaffirmation

BSR/ASME MFC-21.2-2010 (R202x), Measurement of Fluid Flow by Means of Thermal Dispersion Mass Flowmeters (reaffirmation of ANSI/ASME MFC-21.2-2010)
This Standard establishes common terminology and gives guidelines for the quality, description, principle of operation, selection, installation, and flow calibration of thermal dispersion flowmeters for the measurement of the mass flow rate, and to a lesser extent, the volumetric flow rate, of the flow of a fluid in a closed conduit. Multivariable versions additionally measure fluid temperature. Thermal dispersion mass flowmeters are applicable to the flow of single-phase pure gases and gas mixtures of known composition and, less commonly, to single-phase liquids of known composition. Companion standard ASME MFC 21.1 covers capillary tube type thermal mass flowmeters and controllers.
Single copy price: $39.00
Order from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm
Send comments (copy psa@ansi.org) to: Shaimaa Khalifa

ASME (American Society of Mechanical Engineers)

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

Reaffirmation

BSR/ASME POM 101-2013 (R202x), Performance Related Outage Inspections (reaffirmation of ANSI/ASME POM 101-2013 (R2019))
This Standard provides guidelines for equipment inspections that are designed to ultimately improve the thermal performance or efficiency of the power plant. By following these guidelines, many issues identified during an inspection, upon resolution, will also improve the reliability of the plant.
Single copy price: $56.00
Order from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm
Send comments (copy psa@ansi.org) to: Donnie Alonzo <alonzod@asme.org>

ASME (American Society of Mechanical Engineers)

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

Reaffirmation

BSR/ASME POM 102-2014 (R202x), Operating Walkdowns of Power Plants (reaffirmation of ANSI/ASME POM 102-2014 (R202x))
This Standard provides guidelines for operating equipment walkdowns that are designed to ultimately improve the thermal performance and efficiency of the power plant. Following these guidelines may also lead to more proactive maintenance practices, which can also be expected to improve the reliability of the plant.
Single copy price: $49.00
Order from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm
Send comments (copy psa@ansi.org) to: Donnie Alonzo <alonzod@asme.org>

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:

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

BSR/ASHRAE Standard 52.1-200x, Gravimetric and Dust-Spot Procedures for Testing Air-Cleaning Devices Used in General Ventilation for Removing Particulate Matter (new standard)

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

BSR/ASHRAE Standard 63.1-1995 (R2002), Method of Testing Liquid Line Refrigerant Driers (revision of ANSI/ASHRAE Standard 63.1-1995 (R2002))

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

BSR/ASHRAE Standard 137-200x, Methods of Testing for Efficiency of Space-Conditioning/Water-Heating Appliances that Include a Desuperheater Water Heater (revision of ANSI/ASHRAE Standard 137-1995 (R2004))

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

BSR/ASHRAE Standard 68-200x, BSR/AMCA 330-200x, Laboratory Method of Testing to Determine the Sound Power in a Duct (new standard)

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

BSR/ASHRAE/IAQA Standard 3210P-202x, Standard for the Assessment of Educational Facilities for Moisture Affected Areas and Fungal Contamination (new standard)
Send comments (copy psa@ansi.org) to: Online Comment Database at http://www.ashrae.org/standards-research--technology/public-review-drafts

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

BSR/IESO 4210-200x, Standard Guide for the Evaluation and Sampling of Arsenic on Surfaces of Pressure Treated Structures (new standard)
Send comments (copy psa@ansi.org) to: Ryan Shanley <rshanley@ashrae.org>

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

BSR/IESO 4310-200x, Portable High Efficiency Air Filtration (PHEAF) Device Field Testing and Validation Standard (new standard)

Project Withdrawn

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

BSR/IESO 4400-200x, Thermography to Assist the Restoration of Catastrophic Water Damage (new standard)

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

BSR/IESO 4500-200x, Device and procedure for collection of dust samples in homes and public facilities for allergen exposure assessment (new standard)

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

BSR/IESO 4600-200x, Guide to the Measurement of Non-ionizing Electromagnetic Radiation (EMR) in Low-Rise Residential Buildings (new standard)

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

BSR/IESO 4800-202x, Post Remediation Verification and Testing for Microbial Remediation Actions (new standard)

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

BSR/IESO RIA 6000-200x, Standards for Fire Damage Restoration (new standard)

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

BSR/IESO RIA 6002-200x, Standard for Proper Practices for Professional Care, Cleaning and Repair of Rugs - Oriental, Specialty, Area and Most Other Types (new standard)

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

BSR/IESO RIA 6003-202x, Cleaning, Restoration & Remediation Cleaning Protocols for Biological Infectious Agents (new standard)

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

BSR/ASTM WK90086-202x, New Specification for Standard Specification for Photoluminescent (Phosphorescent) Safety Markings (new standard)

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.

AAMI (Association for the Advancement of Medical Instrumentation)

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

ANSI/AAMI/ISO 14117-2019 (R2025), Active implantable medical devices-Electromagnetic compatibility-EMC test protocols for implantable cardiac pacemakers, implantable cardioverter defibrillators and cardiac resynchronization devices (reaffirmation of ANSI/AAMI/ISO 14117-2019) Final Action Date: 3/12/2025 | *Reaffirmation*

ANS (American Nuclear Society)

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

ANSI/ANS 6.6.1-2015 (R2025), Calculation and Measurement of Direct and Scattered Radiation from LWR Nuclear Power Plants (reaffirmation of ANSI/ANS 6.6.1-2015 (R2020)) Final Action Date: 3/11/2025 | *Reaffirmation*

ASC X9 (Accredited Standards Committee X9, Incorporated)

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

ANSI X9.110-2008 (R2025), Transfer of Location of Electronic Contracts (reaffirmation of ANSI X9.110-2008 (R2020)) Final Action Date: 3/11/2025 | *Reaffirmation*

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

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

ANSI/ASHRAE Addendum af to ANSI/ASHRAE Standard 15-2024, Safety Standard for Refrigeration Systems (addenda to ANSI/ASHRAE Standard 15-2022) Final Action Date: 2/28/2025 | *Addenda*

ANSI/ASHRAE/ICC/IES/USGBC Addendum j to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2023, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2023) Final Action Date: 3/11/2025 | *Addenda*

ANSI/ASHRAE/IES Addendum ar to ANSI/ASHRAE/IES Standard 90.1-2022, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2022) Final Action Date: 3/11/2025 | *Addenda*

ANSI/ASHRAE/IES Addendum at to ANSI/ASHRAE/IES Standard 90.1-2022, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2022) Final Action Date: 3/11/2025 | *Addenda*

ANSI/ASHRAE/IES Addendum az to ANSI/ASHRAE/IES Standard 90.1-2022, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2022) Final Action Date: 3/11/2025 | *Addenda*

ANSI/ASHRAE Standard 150-2025, Methods of Testing the Performance of Installed Cool-Storage Systems (revision of ANSI/ASHRAE Standard 150-2019) Final Action Date: 2/28/2025 | *Revision*

ANSI/ASHRAE Standard 207-2025, Laboratory Method of Test of Fault Detection and Diagnosis for Air Economizers (revision of ANSI/ASHRAE Standard 207-2021) Final Action Date: 2/28/2025 | *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 A112.19.7/CSA B45.10-2020 (R2025), Hydromassage Bathtub Systems (reaffirmation of ANSI/ASME A112.19.7/CSA B45.10-2020) Final Action Date: 3/13/2025 | *Reaffirmation*

ANSI/CSA B44.1/ASME A17.5-2025, Elevator and escalator electrical equipment (revision of ANSI CSA B44.1/ASME A17.5-2019) Final Action Date: 3/12/2025 | *Revision*

ASTM (ASTM International)

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

ANSI/ASTM F3729-2025, Guide for Fencing and Other Perimeter Enclosures for Outdoor Sport and Recreational Activities Areas (new standard) Final Action Date: 3/1/2025 | *New Standard*

ANSI/ASTM F1250-2020 (R2025), Specification for Stationary Upright and Recumbent Exercise Bicycles and Upper and Total Body Ergometers (reaffirmation of ANSI/ASTM F1250-2020) Final Action Date: 3/4/2025 | *Reaffirmation*

ANSI/ASTM F2216-2017A (R2025), Specification for Selectorized Strength Equipment (reaffirmation of ANSI/ASTM F2216-2017A) Final Action Date: 3/4/2025 | *Reaffirmation*

ANSI/ASTM F2277-2017A (R2025), Test Methods for Evaluating Design and Performance Characteristics of Selectorized Strength Equipment (reaffirmation of ANSI/ASTM F2277-2017A) Final Action Date: 3/4/2025 | *Reaffirmation*

ANSI/ASTM F2842-2020 (R2025), Specification for Reins Used in Thoroughbred and Quarter Horse Racing (reaffirmation of ANSI/ASTM F2842-2020) Final Action Date: 3/4/2025 | *Reaffirmation*

ANSI/ASTM F3023-2018 (R2025), Test Methods for Evaluating Design and Performance Characteristics of Stationary Upright and Recumbent Exercise Bicycles and Upper and Total Body Ergometers (reaffirmation of ANSI/ASTM F3023 -2018) Final Action Date: 3/4/2025 | *Reaffirmation*

ANSI/ASTM F1776-2025, Specification for Eye Protective Devices for Paintball Sports (revision of ANSI/ASTM F1776 -2022) Final Action Date: 3/4/2025 | *Revision*

ATIS (Alliance for Telecommunications Industry Solutions)

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

ANSI ATIS 0300219-2013 (S2025), ISDN Management - Overview and Principles (stabilized maintenance of ANSI ATIS 0300219-2013 (R2019)) Final Action Date: 3/13/2025 | *Stabilized Maintenance*

AWS (American Welding Society)

8669 NW 36th Street, Suite 130, Miami, FL 33166-6672 | bboddiger@aws.org, www.aws.org

ANSI/AWS B5.17-2025, Specification for the Qualification of Welding Fabricators (new standard) Final Action Date: 3/11/2025 | *New Standard*

CSA (CSA America Standards Inc.)

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

ANSI Z21.69/CSA 6.16 (R2025), Connectors for moveable gas appliances (same as CSA 6.16) (reaffirmation of ANSI Z21.69-2015 (R2020)) Final Action Date: 3/11/2025 | *Reaffirmation*

CSA/ANSI/IGSHPA C448 SERIES-2025, Design and installation of ground source heat pump systems for commercial and residential buildings (revision of ANSI/CSA/IGSHPA C448 SERIES-2016 (R2021)) Final Action Date: 3/11/2025 | *Revision*

DirectTrust™ (DirectTrust.org, Inc.)

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

ANSI/DS2019-01-300-2025, Implementation Guide for Direct Edge Protocols (new standard) Final Action Date: 3/12/2025 | *New Standard*

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

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

ANSI/ASSE 1086-2025, Performance Requirements for Reverse Osmosis Water Efficiency - Drinking Water (revision of ANSI/ASSE 1086-2022) Final Action Date: 3/12/2025 | *Revision*

NEMA (National Electrical Manufacturers Association)

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

ANSI/NEMA IM 60004-2025, Calendered Aramid Papers Used for Electrical Insulation (new standard) Final Action Date: 3/12/2025 | *New Standard*

NSF (NSF International)

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

ANSI/NSF 7-2023 (i31r1), Commercial Refrigerators and Freezers (revision of ANSI/NSF 7-2023) Final Action Date: 3/11/2025 | *Revision*

ANSI/NSF 359-2024 (i7r2), Valves for Cross-linked Polyethylene (PEX) Water Distribution Tubing Systems (revision of ANSI/NSF 359-2022) Final Action Date: 3/4/2025 | *Revision*

ANSI/NSF/CAN 50-2025 (i214r1), Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and Other Recreational Water Facilities (revision of ANSI/NSF/CAN 50-2024) Final Action Date: 3/14/2025 | *Revision*

ANSI/NSF/CAN 50-2025 (i218r1), Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and Other Recreational Water Facilities (revision of ANSI/NSF/CAN 50-2024) Final Action Date: 3/6/2025 | *Revision*

OPEI (Outdoor Power Equipment Institute)

1605 King Street, Alexandria, VA 22314 | gknott@opei.org, www.opei.org

ANSI/OPEI B175.1-2025, Standard for Internal Combustion Engine-Powered Hand-Held Chain Saws - Safety and Environmental Requirements (revision of ANSI/OPEI B175.1-2021) Final Action Date: 3/13/2025 | *Revision*

ULSE (UL Standards & Engagement)

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

ANSI/UL 1067-2020 (R2025), Standard for Safety for Electrically Conductive Equipment and Materials for Use in Flammable Anesthetizing Locations (reaffirmation of ANSI/UL 1067-2020) Final Action Date: 3/11/2025 | *Reaffirmation*

ANSI/UL 15027-2-2020 (R2025), Standard for Immersion Suits - Part 2: Abandonment Suits, Requirements Including Safety (reaffirm a national adoption ANSI/UL 15027-2-2020) Final Action Date: 3/6/2025 | *Reaffirmation*

ANSI/UL 15027-3-2020 (R2025), Standard for Immersion Suits - Part 3: Test Methods (reaffirm a national adoption ANSI/UL 15027-3-2020) Final Action Date: 3/6/2025 | *Reaffirmation*

ANSI/UL 61058-2-5-2020 (R2025), Standard for Safety for Switches for Appliances - Part 2-5: Particular Requirements for Change-Over Selectors (reaffirm a national adoption ANSI/UL 61058-2-5-2020) Final Action Date: 2/28/2025 | *Reaffirmation*

ULSE (UL Standards & Engagement)

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

ANSI/UL 19-2025, Standard for Lined Fire Hose and Hose Assemblies (revision of ANSI/UL 19-2024) Final Action Date: 3/10/2025 | *Revision*

ANSI/UL 30-2025, Standard for Safety for Metallic and Nonmetallic Safety Cans for Flammable and Combustible Liquids (revision of ANSI/UL 30-2022) Final Action Date: 3/7/2025 | *Revision*

ANSI/UL 47-2025, Standard for Semiautomatic Fire Hose Storage Devices (revision of ANSI/UL 47-2023) Final Action Date: 3/6/2025 | *Revision*

ANSI/UL 252-2025, Standard for Safety for Compressed Gas Regulators (revision of ANSI/UL 252-2023) Final Action Date: 2/28/2025 | *Revision*

ANSI/UL 252A-2025, Standard for Compressed Gas Regulator Accessories (revision of ANSI/UL 252A-2022) Final Action Date: 2/28/2025 | *Revision*

ANSI/UL 486A-486B-2025, Standard for Wire Connectors (revision of ANSI/UL 486A-486B-2023) Final Action Date: 3/14/2025 | *Revision*

ANSI/UL 489-2025, Standard for Standard for Molded-Case Circuit Breakers, Molded-Case Switches and Circuit-Breaker Enclosures (revision of ANSI/UL 489-2019) Final Action Date: 3/7/2025 | *Revision*

ANSI/UL 536-2025, Standard for Flexible Metallic Hose (revision of ANSI/UL 536-2021) Final Action Date: 3/3/2025 | *Revision*

ANSI/UL 737-2025, Standard for Safety for Fireplace Stoves (revision of ANSI/UL 737-2020) Final Action Date: 2/28/2025 | *Revision*

ANSI/UL 746C-2025, Standard for Safety for Polymeric Materials - Use in Electrical Equipment Evaluations (revision of ANSI/UL 746C-2023) Final Action Date: 3/7/2025 | *Revision*

ANSI/UL 845-2025, Standard for Motor Control Centers (revision of ANSI/UL 845-2021) Final Action Date: 2/28/2025 | *Revision*

ANSI/UL 1030-2025, Standard for Safety for Sheathed Heating Elements (revision of ANSI/UL 1030-2024) Final Action Date: 3/10/2025 | *Revision*

ANSI/UL 1484-2025, Standard for Residential Gas Alarms (revision of ANSI/UL 1484-2022a) Final Action Date: 3/12/2025 | *Revision*

ANSI/UL 1690-2025, Standard for Safety for Data-Processing Cable (revision of ANSI/UL 1690-2006 (R2020)) Final Action Date: 3/14/2025 | *Revision*

ANSI/UL 2162-2025, Standard for Commercial and/or Outdoor Wood-Fired Baking Ovens - Refractory Type (revision of ANSI/UL 2162-2014 (R2019)) Final Action Date: 3/13/2025 | *Revision*

ANSI/UL 9540-2025, Standard for Safety for Energy Storage Systems and Equipment (revision of ANSI/UL 9540-2023) Final Action Date: 3/7/2025 | *Revision*

ANSI/UL 9540A-2025, Standard for Safety Test Method for Evaluating Thermal Runaway Fire Propagation in Battery Energy Storage Systems (revision of ANSI/UL 9540A-2019) Final Action Date: 3/12/2025 | *Revision*

ANSI/UL 9595-2025, Standard for Safety - Factory Follow-Up on Personal Flotation Devices (PFDs) (revision of ANSI/UL 9595-2024) Final Action Date: 3/7/2025 | *Revision*

ULSE (UL Standards & Engagement)

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

BSR/UL 1951-202x, Standard for Safety for Electric Plumbing Accessories (revision of ANSI/UL 1951-2020) Final Action Date: 3/6/2025 | *Revision*

VITA (VMEbus International Trade Association (VITA))

929 W. Portobello Avenue, Mesa, AZ 85210 | jing.kwok@vita.com, www.vita.com

ANSI/VITA 68.0-2025, VPX Compliance Channel Standard (revision of ANSI/VITA 68.0-2017) Final Action Date: 3/13/2025 | *Revision*

ANSI/VITA 68.1-2025, VPX Compliance Channel - Fixed Signal Integrity Budget Standard (revision of ANSI/VITA 68.1 -2017) Final Action Date: 3/13/2025 | *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.

ABYC (American Boat and Yacht Council)

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

BSR/ABYC H-4-202x, Cockpit Drainage Systems (revision of ANSI/ABYC H-4-2020)
Interest Categories: Soliciting for categories: Insurance/Survey; Specialist Service

ABYC (American Boat and Yacht Council)

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

BSR/ABYC H-31-202x, Seat Structures (revision of ANSI/ABYC H-31-2020)
Interest Categories: Soliciting for membership categories: Manufacturer - Engines; Manufacturer - Accessory; Insurance/Survey; Specialist Service

ABYC (American Boat and Yacht Council)

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

BSR/ABYC P-14-202x, Mechanical Propulsion Control Systems (revision of ANSI/ABYC P-14-2020)
Interest Categories: Soliciting for membership categories: Insurance/Survey

ASABE (American Society of Agricultural and Biological Engineers)

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

BSR/ASABE/ISO 3600-202x MONYEAR, Tractors, machinery for agriculture and forestry, powered lawn and garden equipment - Operators manuals - Content and format (identical national adoption of ISO 3600:2022 and revision of ANSI/ASABE AD3600:2016 (R2021))

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 POM 101-2013 (R202x), Performance Related Outage Inspections (reaffirmation of ANSI/ASME POM 101-2013 (R2019))

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 POM 102-2014 (R202x), Operating Walkdowns of Power Plants (reaffirmation of ANSI/ASME POM 102 -2014 (R202x))

ATIS (Alliance for Telecommunications Industry Solutions)

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

BSR/ATIS 0600042-202x, Direct Contact Cooling Systems (new standard)

AWS (American Welding Society)

8669 NW 36th St, Miami, FL 3316 | acelaya@aws.org, www.aws.org

BSR/AWS D8.2M-202x, Specification for Automotive Weld Quality-Resistance Spot Welding of Aluminum (revision of ANSI/AWS D8.2M-2017)

CTA (Consumer Technology Association)

1919 S Eads St, Arlington, VA 22202 | kbelsky@cta.tech, www.cta.tech

BSR/CTA 861-J-202x, A DTV Profile for Uncompressed High Speed Digital Interfaces (revision of ANSI/CTA 861-I -2023)

ECIA (Electronic Components Industry Association)

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

BSR/EIA 364-28G-202x, Vibration Test Procedure for Electrical Connectors and Sockets (revision and redesignation of ANSI/EIA 364-28F-2011 (R2023))

ECIA (Electronic Components Industry Association)

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

BSR/EIA 364-87C-202x, Nanosecond Event Detection Test Procedure for Electrical Connectors, Contacts and Sockets (revision and redesignation of ANSI/EIA 364-87B-2017 (R2023))

MSS (Manufacturers Standardization Society)

441 N. Lee Street, Alexandria, VA 22314 | standards@msshq.org, www.mss-hq.org

BSR/MSS SP-58-202x, Pipe Hangers and Supports - Materials, Design, Manufacture, Selection, Application, and Installation (revision of ANSI/MSS SP-58-2018)

NEMA (ASC C82) (National Electrical Manufacturers Association)

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

BSR C82.77-3-202X, Standard for Lighting Equipment - Electromagnetic Compatibility (EMC) Testing and Measurement Techniques - Radiated, Radio-Frequency Electromagnetic Field Immunity Test (national adoption of IEC 61000-4-3, ed 4 (2020) with modifications and revision of ANSI C82.77-3-2020)

SMACNA (Sheet Metal and Air-Conditioning Contractors National Association)

4201 Lafayette Center Drive, Chantilly, VA 20151-1219 | gparks@smacna.org, www.smacna.org

BSR/SMACNA 001-202X, Seismic Restraint Manual: Guidelines for Mechanical Systems (new standard)

SMACNA (Sheet Metal and Air-Conditioning Contractors National Association)

4201 Lafayette Center Drive, Chantilly, VA 20151-1219 | gparks@smacna.org, www.smacna.org

BSR/SMACNA 002-202X, Rectangular Industrial Duct Construction Standards (new standard)

ULSE (UL Standards & Engagement)

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

BSR/UL 482-2005 (R202x), Standard for Safety for Portable Sun/Heat Lamps (reaffirmation of ANSI/UL 482-2005 (R2020))

ULSE (UL Standards & Engagement)

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

BSR/UL 985-202x, Standard for Household Fire Warning System Units (revision of ANSI/UL 985-2018 (R2022))

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

IES - Illuminating Engineering Society

Effective March 14, 2025

The reaccreditation of **IES - Illuminating Engineering Society** has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on IES-sponsored American National Standards, effective **March 14, 2025**. For additional information, please contact: Patricia McGillicuddy, Illuminating Engineering Society (IES) | 85 Broad Street, 17th Floor, New York, NY 10004 | (212) 248-5000, pmcgillicuddy@ies.org

American National Standards (ANS) Announcements

ANSI Accredited Standards Developer

ITI (INCITS) - InterNational Committee for Information Technology Standards

ANS - Continued Stabilized Maintenance

On February 26, 2025, the INCITS Executive Board completed their approval for the 10-year stabilized maintenance action for the standards listed below. It has been determined with this approval that these standards, that were stabilized in 2015, shall continue to be maintained under the stabilized maintenance option. Questions, please contact Lynn Barra (lbarra@itic.org)

Designation of Standard Title of Standard
INCITS 328-2000[S2025] Information Technology - 19 mm DD-2 Helical Scan Digital Computer Tape Cassette for Information Interchange
INCITS 329-2000[S2025] Magnetic Tape Cartridge for Information Interchange, 0.50 in (12.65 mm), Serial Serpentine, 208-Track, 85 940 bpi (3383 bpmm), DLT5 Format
INCITS 341-2000[S2025] Information technology - 25.4 mm (1 in) Type DCRsi Recorded Instrumentation - Digital Cartridge Tape Format
INCITS/ISO 1860:1986[S2025] Information processing -- Precision reels for magnetic tape used in interchange instrumentation applications
INCITS/ISO/IEC 11579-1:1994/COR1:1996[S2025] Information technology -- Telecommunications and information exchange between systems -- Private integrated services network -- Part 1: Reference configuration for PISN Exchanges (PINX) Technical Corrigendum 1
INCITS/ISO/IEC 11579-1:1994[S2025] Information technology -- Telecommunications and information exchange between systems -- Private integrated services network -- Part 1: Reference configuration for PISN Exchanges (PINX)
INCITS/ISO/IEC 15521:1998[S2025] Information technology -- 3,81 mm wide magnetic tape cartridge for information interchange -- Helical scan recording -- DDS-3 format using 125 m length tapes
INCITS/ISO/IEC 15731:1998[S2025] Information technology -- 12,65 mm wide magnetic tape cassette for information interchange -- Helical scan recording -- DTF-1 format
INCITS/ISO/IEC 15757:1998[S2025] Information technology -- Data interchange on 8 mm wide magnetic tape cartridge -- Helical scan recording -- DA-2 format
INCITS/ISO/IEC 15780:1998[S2025] Information Technology - 8 mm Wide Magnetic Tape Cartridge - Helical Scan Recording - AIT-1 Format
INCITS 334-2000[S2025] Information Technology - Magnetic Tape Cartridge for Information Interchange - 0.50 in (12.65 mm), Serial Serpentine 128-Track, 62 500 BPI (2 460 BPMM) DLT 3-XT Format
INCITS 218-2000[S2025] Information technology - High-Performance Parallel Interface - Encapsulation of ISO/IEC 8802-2 (IEEE Std 802.2) Logical Link Control Protocol Data Units (HIPPI-LE)
INCITS 337-2000[S2025] Information technology - Scheduled Transfer Protocol (ST)
INCITS 330-2000[S2025] Information technology - Reduced Block Commands (RBC)
INCITS 333-2000[S2025] Information technology - SCSI Multi-Media Commands - 2 (MMC-2)
INCITS 401-2005[S2025] Information technology - SCSI Multimedia Commands - 4 (MMC-4)
INCITS 405-2005[S2025] Information technology - SCSI Block Commands - 2 (SBC-2)

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

Agricultural food products (TC 34)

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

Cosmetics (TC 217)

ISO 24443:2021/DAmd 1, - Amendment 1: Cosmetics - Determination of sunscreen UVA photoprotection in vitro - Amendment 1 - 5/29/2025, $33.00

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

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

Hydrogen energy technologies (TC 197)

ISO/DIS 19870-1, Hydrogen technologies - Methodology for determining the greenhouse gas emissions associated with the hydrogen supply chain - Part 1: Emissions associated with the production of hydrogen to production gate - 5/29/2025, $165.00

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

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

Optics and optical instruments (TC 172)

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

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 11979-4.2, Ophthalmic implants - Intraocular lenses - Part 4: Labelling and information - 3/20/2025, $62.00

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

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

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

Road vehicles (TC 22)

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

Ships and marine technology (TC 8)

ISO/DIS 18962, Ships and marine technology - Installation and operational requirements for swappable batteries on ships - 5/29/2025, $53.00

Sustainable development in communities (TC 268)

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

Textiles (TC 38)

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 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

ISO/IEC JTC 1, Information Technology

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

IEC Standards

All-or-nothing electrical relays (TC 94)

94/1122/CDV, IEC 63522-52 ED1: Electrical relays - Tests and Measurements - Part 52: Coil overvoltage, 05/09/2025

94/1141(F)/FDIS, IEC 63522-54 ED1: Electrical relays - Tests and measurements - Part 54: Critical DC load current test, 04/18/2025

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

100/4289(F)/FDIS, IEC 63455 ED1: Multimedia systems and equipment - Multimedia signal transmission - Dependable line code with error correction, 03/28/2025

Dependability (TC 56)

56/2083/NP, PNW 56-2083 ED1: Dependability in Realization and Utilization of low volume production and not-tested or partly testable items: ensuring the compliance with the design Dependability in Realization and Utilization of low volume production and not-tested or partly testable items: ensuring the compliance with the design, 06/06/2025

56/2084/NP, PNW 56-2084 ED1: DEPENDABILITY MANAGEMENT - Part 3-17: Application guide -Availability, 06/06/2025

Documentation and graphical symbols (TC 3)

3/1711/DTS, ISO TS 81346-101 ED1: Industrial systems, installations and equipment and industrial products -- Structuring principles and reference designations -- Part 101: Power plants -- Modelling concepts and guidelines for power supply systems, 05/09/2025

Electric road vehicles and electric industrial trucks (TC 69)

69/1044/DTS, IEC TS 61851-26 ED1: Electric vehicle conductive charging system - Part 26: EV supply equipment with automatic docking of a vehicle coupler located at the underbody of an electric vehicle, 05/09/2025

69/1045/DTS, IEC TS 61851-27 ED1: Electric vehicle conductive charging system - Part 27: EV supply equipment with automated docking of a vehicle coupler according to IEC 62196 -2, IEC 62196-3 or IEC TS 62196-3-1, 05/09/2025

Electrical accessories (TC 23)

23/1151/NP, PNW 23-1151 ED1: Installation couplers intended for permanent connection in fixed installations - Part 1: Installation couplers for AC-side of photovoltaic (PV) systems, 06/06/2025

Electrical apparatus for explosive atmospheres (TC 31)

31J/386/FDIS, IEC 60079-19 ED5: Explosive atmospheres - Part 19: Equipment repair, overhaul and reclamation, 04/25/2025

Electrical equipment in medical practice (TC 62)

62C/943/CD, IEC 60731 ED4: Medical electrical equipment - Dosimeters with ionization chambers or solid-state detectors as used in radiotherapy, 05/16/2025

Electroacoustics (TC 29)

29/1200/CD, IEC 60645-5 ED2: Electroacoustics - Audiometric equipment - Part 5: Instruments for the measurement of aural acoustic impedance/admittance, 06/06/2025

Fibre optics (TC 86)

86A/2552/FDIS, IEC 60794-1-124 ED1: Optical fibre cables - Part 1-124: Generic specification - Basic optical cable test procedures - Mechanical tests methods - Installation test for microduct cabling, Method E24, 04/25/2025

86B/5027/FDIS, IEC 61300-3-46 ED2: Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-46: Examinations and Measurements - Bore diameter in rectangular ferrules, 04/25/2025

86B/5035/CD, IEC 61753-021-07 ED1: Fibre optic interconnecting devices and passive components - Performance standard - Part 021-07: Hardened fibre optic connectors terminated on singlemode fibre for category A - Outdoor aerial environment, 05/09/2025

86B/5029/CD, IEC 61753-021-08 ED1: Fibre optic interconnecting devices and passive components - Performance standard - Part 021-08: Hardened fibre optic connectors terminated on singlemode fibre for category G - Outdoor ground environment, 05/09/2025

86B/5028/FDIS, IEC 61754-36 ED1: Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 36: Type SAC connector family, 04/25/2025

86B/5036/NP, PNW 86B-5036 ED1: Fibre optic interconnecting devices and passive components - Connector optical interfaces for enhanced Macro bend multimode fibre - Part 3-XX: Connector parameters of physically contacting 50 µm core diameter fibres - Non-angled polyphenylene sulphide rectangular ferrules with a single row of 16 fibres for reference connector applications, 06/06/2025

Industrial-process measurement and control (TC 65)

65A/1174(F)/FDIS, IEC 61326-2-6 ED4: Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 2-6: Particular requirements - In vitro diagnostic (IVD) medical electrical equipment, 04/04/2025

65A/1171/CDV, IEC 61508-6 ED3: Functional safety of electrical/electronic/programmable electronic safety-related systems - Part 6: Guidelines on the application of IEC 61508-2 and IEC 61508-3 (see Functional Safety and IEC 61508), 06/06/2025

65A/1176/DTR, IEC TR 61508-3-3 ED1: Functional safety of electrical/electronic/programmable electronic safety-related systems - Part 3-3: Object-oriented software in safety-related systems., 05/09/2025

Lamps and related equipment (TC 34)

34B/2213/CDV, IEC 60061-PR2025-01 ED3: Lamp caps and holders together with gauges for the control of interchangeability and safety: proposal for correction PU20d fit system in IEC 60061-1 (7004-158) and IEC 60061-2 (7005 -158), 06/06/2025

34/1310/CD, IEC 63544 ED1: Horticultural lighting - Luminaires incorporating LED sources for horticultural lighting - Performance, 06/06/2025

Laser equipment (TC 76)

76/766/DTS, IEC TS 60825-20 ED1: Safety of Laser Products - Part 20: Safety requirements for products intentionally exposing face or eyes to laser radiation, 05/09/2025

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

114/573/DTS, IEC TS 62600-201 ED2: Marine energy - Wave, tidal and other water current converters - Part 201: Tidal energy resource assessment and characterization, 05/09/2025

Maritime navigation and radiocommunication equipment and systems (TC 80)

80/1151/FDIS, IEC 61097-7 ED2: Global maritime distress and safety system (GMDSS) - Part 7: Shipborne VHF radiotelephone transmitter and receiver - Operational and performance requirements, test methods and required test results, 04/25/2025

80/1152/FDIS, IEC 61097-9 ED2: Global maritime distress and safety system (GMDSS) - Part 9: Shipborne transmitters and receivers for use in the MF and HF bands suitable for telephony, digital selective calling (DSC) and reception of maritime safety information and search and rescue related information - Operational and performance requirements, test methods and required test results, 04/25/2025

Measuring equipment for electromagnetic quantities (TC 85)

85/946/CDV, IEC 62792 ED2: Measurement method for the output of electroshock weapons, 06/06/2025

85/954/NP, PNW TS 85-954 ED1: Statistical method for verification of measurement performance, 06/06/2025

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

106/698/FDIS, IEC/IEEE 62704-2/AMD1 ED1: Amendment 1 - Determining the peak spatial-average specific absorption rate (SAR) in the human body from wireless communications devices, 30 MHz to 6 GHz - Part 2: Specific requirements for finite difference time domain (FDTD) modelling of exposure from vehicle mounted antennas, 04/25/2025

Performance of household electrical appliances (TC 59)

59A/272/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

59M/182/CDV, IEC 63437 ED1: Off grid and unreliable grid refrigerating appliances for domestic and light commercial use - Characteristics and test methods - Performance requirements and energy consumption, 06/06/2025

Power electronics (TC 22)

22E/289/CD, IEC 61204-3 ED4: Low-voltage switch mode power supplies - Part 3: Electromagnetic compatibility (EMC), 06/06/2025

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

Power system control and associated communications (TC 57)

57/2769/FDIS, IEC 61850-10/AMD1 ED2: Amendment 1 - Communication networks and systems for power utility automation - Part 10: Conformance testing, 04/25/2025

Safety of household and similar electrical appliances (TC 61)

61/7415/NP, PNW 61-7415 ED1: Household and similar electric appliances - Safety - Part 2-xxx: Particular requirements for commercial electric tumble dryers, 06/06/2025

Semiconductor devices (TC 47)

47A/1186/CD, IEC 62228-5 ED2: Integrated circuits - EMC evaluation of transceivers - Part 5: Ethernet transceivers, 05/09/2025

47D/989/NP, PNW 47D-989 ED1: Future IEC 63378-6-2 ED1: Thermal standardization on semiconductor packages - Part 6-2: Thermal resistance and capacitance model for transient temperature prediction at junction and measurement points - Model creation method using a measurement data of semiconductor device, 06/06/2025

Standard voltages, current ratings and frequencies (TC 8)

8/1741/CD, IEC TR 62786-101 ED1: Distributed energy resources connection with the grid - Part 101 Gravity storage connection to the grid, 05/09/2025

8B/247/NP, PNW TS 8B-247 ED1: Guideline for the planning and design of direct current or hybrid microgrids, 05/09/2025

Surface mounting technology (TC 91)

91/2015/CDV, IEC 61249-3-6 ED1: Materials for printed boards and other interconnecting structures - Part 3-6: Sectional specification set for unreinforced base materials, clad and unclad - PTFE filled laminate sheets of defined flammability (vertical burning test), copper-clad, 06/06/2025

91/2024/FDIS, IEC 61691-7 ED2: Behavioural languages - Part 7: SystemC R Language Reference Manual, 04/25/2025

91/2025/FDIS, IEC 62014-4 ED2: IP-XACT, Standard Structure for Packaging, Integrating, and Reusing IP within Tool Flows, 04/25/2025

Terminology (TC 1)

1/2648/ED, IEC 60050-C00104 ED0: IEC 60050-421 International Electrotechnical Vocabulary (IEV) Part 421: Power transformers and reactors, 04/25/2025

Wearable electronic devices and technologies (TC 124)

124/317/CD, IEC 63203-101-1 ED2: Wearable electronic devices and technologies - Part 101-1: Terminology, 06/06/2025

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

Footwear (TC 216)

ISO 16179:2025, Footwear - Critical substances potentially present in footwear and footwear components - Determination of organotin compounds in footwear materials, $127.00

Industrial automation systems and integration (TC 184)

ISO 8000-118:2025, Data quality - Part 118: Application of ISO 8000-115 to natural location identifiers, $201.00

Information and documentation (TC 46)

ISO 26324:2025, Information and documentation - Digital object identifier system, $127.00

Metallic and other inorganic coatings (TC 107)

ISO 21452:2025, Specification and requirements of thermal spray coatings for power plant boiler tubes, $84.00

Other

IWA 49:2025, FREE

Refractories (TC 33)

ISO 5014:2025, Dense and insulating shaped refractory products - Determination of modulus of rupture at ambient temperature, $84.00

ISO 10059-1:2025, Dense shaped refractory products - Determination of cold compressive strength - Part 1: Referee test without packing, $84.00

Road vehicles (TC 22)

ISO 5474-4:2025, Electrically propelled road vehicles - Functional and safety requirements for power transfer between vehicle and external electric circuit - Part 4: Magnetic field wireless power transfer, $230.00

Solid biofuels (TC 238)

ISO 17828:2025, Solid biofuels - Determination of bulk density, $84.00

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

ISO 14617-1:2025, Graphical symbols for diagrams - Part 1: General rules, $84.00

Technical systems and aids for disabled or handicapped persons (TC 173)

ISO 7176-14:2022/Amd 1:2025, - Amendment 1: Wheelchairs - Part 14: Power and control systems for electrically powered wheelchairs and scooters - Requirements and test methods - Amendment 1: Correction of referred standard, $23.00

Textiles (TC 38)

ISO 23231:2025, Textiles - Determination of dimensional change of fabrics - Accelerated machine method, $84.00

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

ISO 8871-5:2025, Elastomeric parts for parenterals and for devices for pharmaceutical use - Part 5: Functional requirements and testing, $84.00

Vacuum technology (TC 112)

ISO 24477:2025, Vacuum technology - Vacuum gauges - Specifications, calibration and measurement uncertainties for spinning rotor gauges, $84.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 30134-4:2017/Amd 1:2025, - Amendment 1: Information technology - Data centres - Key performance indicators - Part 4: IT Equipment Energy Efficiency for servers (ITEEsv) - Amendment 1, $23.00

ISO/IEC 30134-5:2017/Amd 1:2025, - Amendment 1: Information technology - Data centres - Key performance indicators - Part 5: IT Equipment Utilization for servers (ITEUsv) - Amendment 1, $23.00

ISO/IEC TS 18661-4:2025, Programming languages, their environments, and system software interfaces - Floating-point extensions for C - Part 4: Supplementary functions, $127.00

ISO/IEC TS 18661-5:2025, Programming languages, their environments, and system software interfaces - Floating-point extensions for C - Part 5: Supplementary attributes, $172.00

IEC Standards

Fibre optics (TC 86)

IEC 61753-084-02 Ed. 1.0 b:2025, Fibre optic interconnecting devices and passive components - Performance standard - Part 084-02: Non connectorised single-mode 980/1550 nm WWDM devices for category C - Indoor controlled environment, $103.00

Performance of household electrical appliances (TC 59)

IEC 60879 Amd.1 Ed. 2.0 b:2025, Amendment 1 - Comfort fans and regulators for household and similar purposes - Methods for measuring performance, $26.00

IEC 60879 Ed. 2.1 en:2025, Comfort fans and regulators for household and similar purposes - Methods for measuring performance, $296.00

IEC 60704-2-11 Ed. 2.0 b:2025, Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-11: Particular requirements for electrically-operated food preparation appliances, $148.00

IEC 60704-2-11 Ed. 2.0 en:2025 EXV, Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-11: Particular requirements for electrically-operated food preparation appliances, $547.00

Wind turbine generator systems (TC 88)

IEC 61400-15-1 Ed. 1.0 b:2025, Wind energy generation systems - Part 15-1: Site suitability input conditions for wind power plants, $322.00

IEC Technical Specifications

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

S+ IEC/TS 62600-101 Ed. 2.0 en:2024 (Redline version), Marine energy - Wave, tidal and other water current converters - Part 101: Wave energy resource assessment and characterization, $800.00

International Electrotechnical Commission (IEC)

USNC TAG Administrator and Members Needed

IEC/Project Committee 132

Deadline: April 18, 2025

The USNC is now looking for a TAG administrator and members to join the newly established IEC/Project Committee 132. **If individuals are interested to join as members or USNC TAG Administrator for the USNC TAG to IEC/PC 132, they are invited to contact Betty Barro at bbarro@ansi.org by April 18, 2025.**

Please see the scope for **the IEC/ PC 132** below:

Scope: **PC 132 - Consistent and effective electronic labelling across industries**

The scope of this document for electronic labels includes the following:
1. The document provides requirements and guidance for encapsulating product data and providing that information electronically.
2. The document provides specifications for electronic labelling.
3. The document provides requirements and guidance on how to integrate electronic labels into products.
Electronic labelling is intended for use by consumers, manufacturers, designers, and authorities having jurisdictions. This document does not prescribe the content of the electronic label, but rather is designed to promote the use of consistent and effective electronic labelling practices across a broad range of sectors and products.
An electronic label is intended to be machine readable. The electronic label has information embedded in it or is a pointer to the electronic storage location or combination.

USNC TAG Administrator and Members Needed

IEC/TC 115

Deadline: April 12, 2025

The IEC/TC 115 Secretariat recently approached the USNC to gauge interest in joining as a P-Member. The USNC is now for looking for members and a TAG Administrator to establish a corresponding USNC TAG to IEC/TC 115.

If individuals are interested to join as members or USNC TAG Administrator for the USNC TAG to IEC/TC 115, they are invited to contact Betty Barro at bbarro@ansi.org by April 12, 2025.

Please see the scope for **the IEC/ TC 115** below:

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

Standardization in the field of HVDC Transmission technology above 100kV. The task includes HVDC system oriented standards as design aspects, technical requirements, construction and commissioning, reliability and availability, and operation and maintenance. Standards of HVDC equipment so far related to the system aspects will be prepared in close collaboration with the relevant Technical Committees and Subcommittees.

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 r
to ANSI/ASHRAE Standard 62.1-2022

Public Review Draft

Proposed Addendum r to Standard 62.1-2022, Ventilation and Acceptable Indoor Air Quality

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, Peachtree Corners, Georgia 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

On February 7, 2024, EPA strengthened the National Ambient Air Quality Standards for Particulate Matter (PM NAAQS) to protect millions of Americans from harmful and costly health impacts, such as heart attacks and premature death. Particulate pollution, including fine soot particles, is a significant air quality concern, with extensive scientific evidence linking it to a range of health effects.

We currently use an older version of the EPA NAAQS with an annual PM2.5 limit of 12 µg/m³. This proposed addendum updates the value to align with the latest EPA limit, which sets the primary) annual PM2.5 standard at 9.0 µg/m³ to provide increased public health protection, consistent with the available health science.

[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 r to 62.1-2022

Modify Table 6-5, Table E-1, and Section 9 Normative References as shown below. The remainder of Table 6-5, Table E-1 and Section 9 are unchanged.

Table 6-5 Design Compounds, PM2.5, and Their Design Limits

Compound or PM2.5	Cognizant Authority	Design Limit
…..		
PM2.5	U.S. EPA NAAQS (annual mean)	~~12~~ 9 µg/m^3
…..		

INFORMATIVE APPENDIX E
INFORMATION ON SELECTED NATIONAL STANDARDS AND GUIDELINES FOR PM10, PM2.5, AND OZONE

Table E-1 NAAQS for the Unites States
(www.epa.gov/criteria-air-pollutants/naaqs-table)

Pollutant		Primary/ Secondary	Averaging Time	Level	Form
…					
Particulate Matter (PM)	PM2.5	Primary	One (1) year	~~12.0~~ 9 µg/m^3	Annual mean, averaged over three years

www.epa.gov/pm-pollution/table-historical-particulate-matter-pm-national-ambient-air-quality-standards-naaqs		Secondary	One (1) year	15.0 µg/m^3	Annual mean, averaged over three years
		Primary and secondary	Twenty-four (24) hours	35 µg/m^3	Ninety-eight (98th) percentile, averaged over three years
	PM10	Primary and secondary	Twenty-four (24) hours	150 µg/m^3	Not to be exceeded more than once per year on average over three years
…					

9. NORMATIVE REFERENCES

U.S. Government Printing Office (USGPO)
732 North Capitol St. NW
Washington, DC 20401
202-512-1800; www.gpo.gov
…

40 CFR 50 (2024 ~~2018~~) National Primary and Secondary Ambient Air Quality Standards
Section 4.1.1, Table 6-5, Table 6-6, 6.1.4.1, 6.1.4.2

…

BSR/ASHRAE Addendum s
to ANSI/ASHRAE Standard 62.1-2022

Public Review Draft

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FOREWORD

This proposed addendum expands the available testing methods for acetaldehyde and acetone by allowing these compounds to be tested using TO-17, this update achieves benefits such as:

- *Expanded Testing Possibilities – More laboratories will have the capability to test for acetaldehyde and acetone.*
- *Greater Laboratory Availability – Since TO-17 is widely used, more labs can offer this testing, reducing logistical challenges.*
- *Improved Cost Efficiency – TO-17 provides a more economical alternative compared to TO-11 method, making air quality assessments more affordable.*

Also, this proposed addendum updates EPA TO-11 to TO-11A to reflect the latest revision of the method. TO-11A provides improved analytical accuracy and updated quality control procedures.

[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 s to 62.1-2022

Change Table 7-1 as shown below (see Addendum i to Standard 62.1-2022). Published addenda are available for free download on the ASHRAE website at https://www.ashrae.org/technical-resources/standards-and-guidelines/standards-addenda.

Table 7-1 Allowed Laboratory Test Methods

Compound	Allowed Test Methods
VOCs except formaldehyde, acetaldehyde and acetone	ISO 16000-6; EPA IP-1, EPA TO-17; ISO 16017-1; ISO 16017-2; ASTM D6345-10
Formaldehyde	ISO 16000-3; EPA TO-11A; EPA IP-6; ASTM D5197 or testing method that is compliant with the California Air Resources Board's (CARB) § 93120
Acetaldehyde and acetone	ISO 16000-3; EPA TO-11A; EPA IP-6; ASTM D5197, EPA TO-17
Carbon monoxide	ISO 4224; EPA IP-3

Update Section 9 Normative References as shown below. The remainder of Section 9 is unchanged.

United States Environmental Protection Agency (EPA)
Ariel Rios Building
1200 Pennsylvania Avenue, NW
Washington, DC 20460, United States
1-919-541-0800; www.epa.gov
ENERGY STAR ® 1-888-782-7937
WaterSense 1-866-987-7367 and 1-202-564-2660

…

EPA TO-11A (1999) Determination of Formaldehyde in Ambient Air Using Adsorbent Cartridge Followed by High Performance Liquid Chromatography (HPLC) [Active Sampling Methodology] in Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air (Second Edition)
Section Table 7-1

…

BSR/ASHRAE Addendum t
to ANSI/ASHRAE Standard 62.1-2022

Public Review Draft

Proposed Addendum t to Standard 62.1-2022, Ventilation and Acceptable Indoor Air Quality

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FOREWORD

The existing standard for Objective Evaluation does not specify if monitoring must be continuous. If an evaluator elects to perform discontinuous monitoring, there is no specification of the minimum amount of time that must be included. The existing standard also requires that the peak, not average, concentration of carbon monoxide be less than the DL, whereas the cognizant authority specified that the carbon monoxide limit was based on 8 hours. This proposed addendum realigns the carbon monoxide limits and provides a minimum for discontinuous monitoring.

[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 t to 62.1-2022

Modify Section 7.3.1

7.3 Indoor Air Quality Procedure Verification

7.3.1 Objective Evaluation. Perform design compound (DC) and PM2.5 measurement in the completed building to verify that design limits (DLs) are met. ~~The peak concentration over an 8-hour occupied period shall not exceed the DL for carbon monoxide.~~

For carbon monoxide, ozone and PM2.5, the average concentration over an 8-hour occupied period shall not exceed the DL.

For all other compounds, the concentration measured over the maximum period allowed by the test method up to 8 hours shall not exceed the DL for each DC. For DC mixtures, the mixture calculation shall be less than 1.0. The concentrations shall be measured using the relevant laboratory methods specified in Table 7-1. Inorganic compounds and PM2.5 may be measured instead using direct-read instruments that are calibrated in accordance with the device manufacturer's recommendations, are capable of measuring below the DL, and that follow the performance requirements specified in Table 7-2.

BSR/ASHRAE Addendum u
to ANSI/ASHRAE Standard 62.1-2022

Public Review Draft

Proposed Addendum u to Standard 62.1-2022, Ventilation and Acceptable Indoor Air Quality

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

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FOREWORD

A growing trend within occupied buildings is to install prefabricated occupiable structures within existing spaces to allow for temporary private occupancy. These structures are often called pods and can be of various shapes and sizes, and may or may not have electrical power, plumbing, or furniture, and may be sized for 1 or more people. These pods are being used for sleeping, meditating, working, meeting, lactating, and more.

The 2024 edition of NFPA 101 Life Safety Code has added requirements for these spaces. This code has noted two different prefabricated structures; sleep pods and modular rooms. These structures are different than designed sleeping structures such as capsule hotels or private suites in transportation spaces. Sleep pods and modular rooms are often added after the building is constructed and occupied, therefore were not part of the ventilation design. However, it is important that these occupied spaces are still provided with ventilation air and manufactured with passive fixed opening, forced fan driven airflow, or means to connect to the mechanical ventilation system. These sleep pods and modular spaces are class 1 spaces, and thereby if they are provided ventilation air by transfer air, they shall be located only in class 1 spaces. Manufacturers should indicate method of ventilation and rates of airflow the structure is designed for.

[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 u to 62.1-2022

Add the following definitions to Section 3.1. The remainder of Section 3.1 is unchanged.

3. DEFINITIONS

3.1 Terminology (See Figure 3-1)

modular rooms: An occupiable, prefabricated structure that is designed and used for activities other than sleeping

sleep pods: An occupiable, prefabricated structure that is designed and used for sleeping purposes

Add new Section 6.2.1.1.7 and renumber following sections as shown below.

6.2.1.1.7 Modular Rooms and Sleep Pods. Modular rooms and sleep pods shall use the requirements of the listed occupancy category that is most similar in terms of space use.

6.2.1.1.8 ~~6.2.1.1.7~~ Design Zone Population. …

BSR/ASHRAE Addendum a
to ANSI/ASHRAE Standard 34-2024

Public Review Draft

Proposed Addendum a to Standard 34-2024, Designation and Safety Classification of Refrigerants

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

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180 Technology Parkway NW, Peachtree Corners, GA 30092

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FOREWORD

This proposed addendum adds the zeotropic refrigerant blend R-494B to Tables 4-2 and D-2.

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 34-2024

Modify Tables 4-2 and D-2 as shown.

Table 4-2 Data and Safety Classifications for Refrigerant Blends

Refrigerant Number = 494B
Composition (Mass %) = R–744/152a/13I1 (4.0/38.0/58.0)
Composition tolerances = (+1.5,−0.5/±1.0/±1.0)
OEL = 810 ppm v/v
Safety Group = A2L
RCL = 5,900 ppm /1.6 lb/1000 ft^3 /25 g/m^3
LFL = 85,000 ppm /22 lb/1000 ft^3 /347 g/m^3
BV = 8.9 cm/sec
Highly Toxic or Toxic Under Code Classification = Neither

Table D-2 Data Classifications for Refrigerant Blends

Refrigerant Number = 494B
Composition (Mass %) = R–744/152a/13I1 (4.0/38.0/58.0)
Average Relative Molar Mass = 103.9 g/mol
Bubble Point (°F) = -54.9 °F
Dew Point (°F) = -20.6 °F
Bubble Point (°C) = -48.3°C
Dew Point (°C) = -29.2 °C

BSR/ASHRAE Addendum b
to ANSI/ASHRAE Standard 34-2024

Public Review Draft

Proposed Addendum b to Standard 34-2024, Designation and Safety Classification of Refrigerants

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

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FOREWORD

This proposed addendum adds the zeotropic refrigerant blend R-496A to Tables 4-2 and D-2.

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 34-2024

Modify Tables 4-2 and D-2 as shown.

Table 4-2 Data and Safety Classifications for Refrigerant Blends

Refrigerant Number = 496A

Composition (Mass %) = R–14/23/116 (18.0/37.8/44.2)

Composition tolerances = (±1.0/±1.0/±1.0)

OEL = 1000 ppm v/v

Safety Group = A1

RCL = 60,000 ppm /14 lb/1000 ft^3 /230 g/m^3

Highly Toxic or Toxic Under Code Classification = Neither

Table D-2 Data Classifications for Refrigerant Blends

Refrigerant Number = 496A

Composition (Mass %) = R–14/23/116 (18.0/37.8/44.2)

Average Relative Molar Mass = 93.9 g/mol

Bubble Point (°F) = -170 °F

Dew Point (°F) = -131 °F

Bubble Point (°C) = -112°C

Dew Point (°C) = -90.6 °C

BSR/ASHRAE Addendum c
to ANSI/ASHRAE Standard 34-2024

Public Review Draft

Proposed Addendum c to Standard 34-2024, Designation and Safety Classification of Refrigerants

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

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FOREWORD

This proposed addendum adds the zeotropic refrigerant blend R-497A to Tables 4-2 and D-2.

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 c to Standard 34-2024

Modify Tables 4-2 and D-2 as shown.

Table 4-2 Data and Safety Classifications for Refrigerant Blends

Refrigerant Number = 497A
Composition (Mass %) = R–1270/13I1 (15.0/85.0)
Composition tolerances = (±0.3/±0.3)
OEL = 500 ppm v/v
Safety Group = A2
RCL = 1,400 ppm /0.45 lb/1000 ft^3 /7.1 g/m^3
LFL = 40,000 ppm /9.3 lb/1000 ft^3 /147 g/m^3
Highly Toxic or Toxic Under Code Classification = Neither

Table D-2 Data Classifications for Refrigerant Blends

Refrigerant Number = 497A
Composition (Mass %) = R–1270/13I1 (15.0/85.0)
Average Relative Molar Mass = 126.5 g/mol
Bubble Point (°F) = -30.5 °F
Dew Point (°F) = -20.2 °F
Bubble Point (°C) = -34.7°C
Dew Point (°C) = -29.0 °C

BSR/ASHRAE Addendum c
to ANSI/ASHRAE Standard 90.4-2022

Public Review Draft

Proposed Addendum c to Standard 90.4-2022, *Energy Standard for Data Centers*

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).

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Foreword

Addendum c updates the Normative References to Section 12.

[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 c to 90.4-2022

Update Normative references as follows:

Reference		Section
ASHRAE **180 Technology Parkway NW** **Peachtree Corners, GA 30092, United States** **1-404-636-8400; www.ashrae.org**		
ANSI/ASHRAE/IES Standard 90.1 (2025~~2022~~)	Energy Standard for Buildings Except Low-Rise Residential Buildings	3.1.1, 3.2, 4.1.1.1, 4.1.1.2, 4.1.1.3, 4.1.1.4, 4.1.1.5, 4.2.1.1, 4.2.1.2, 4.2.1.3, 4.2.2.1, 4.2.2.2, 4.2.2.3, 4.2.3, 4.2.4, 4.2.5, 4.2.5.1, 5.2.1, 6.1.1, 6.1.1.3.1, 6.4.2, 7.2.1, 8.1.1, 9.2.1, 10.2.1, 11.3, Table B-1, Table B-2, Table B-3, Figure C-1
ANSI/ASHRAE Standard 169 (2022)	Climatic Data for Building Design Standards	Table 6.5
Thermal Guidelines for Data Processing Environments, ~~4th Edition~~ 5th edition		6.5.1
U.S. Security and Exchange Commission (SEC) **100 F Street, NE** **Washington, DC 20549, United States** **www.sec.gov**		
Release No. 34-47638; File No. S7-32-02	The Interagency Paper on Sound Practices to Strengthen the Resilience of the U.S. Financial System, April 7, 2003	3.2
National Fire Protection Association (NFPA) **1 Battery March Park, P.O. Box 9101** **Quincy, MA 02269-9101, United States**		
NFPA 70 Article 645 NFPA 70 Article 708 (2008)	Critical Operations Power Systems (COPS)	3.2
NFPA 70 (2023 ~~2020~~)	National Electrical Code	3.2, 8.4.1.4
Telecommunications Industry Association (TIA) **1320 North Courthouse Road, Suite 200** **Arlington, VA 22201, United States** **www.tiaonline.org**		
ANSI/TIA 942-C-2024 ~~B-2017~~	Telecommunication Infrastructure Standard for Data Centers	3.2
U.S. Government Publishing Office (GPO) **732 North Capitol St. NW, Washington, DC**		
47 CFR Chapter 1	Federal Communications Commission	3.2
Communications Act of 1934, Title II	Common Carriers	3.2
Pub. L. No. 109-58 (2005)	Energy Policy Act of 2005 (EPAct)	6.4.1, 8.4.1.9

BSR/ASHRAE Addendum d
to ANSI/ASHRAE Standard 34-2024

Public Review Draft

Proposed Addendum d to Standard 34-2024, Designation and Safety Classification of Refrigerants

First Public Review (February 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 adds the zeotropic refrigerant blend R-498A to Tables 4-2 and D-2.

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 d to Standard 34-2024

Modify Tables 4-2 and D-2 as shown.

Table 4-2 Data and Safety Classifications for Refrigerant Blends

Refrigerant Number = 498A
Composition (Mass %) = R–170/290/13I1 (7.0/8.0/85.0)
Composition tolerances = (±0.3/±0.3/±0.3)
OEL = 660 ppm v/v
Safety Group = A3
RCL = 3,800 ppm /1.1 lb/1000 ft^3 / 18 g/m^3
LFL = 37,000 ppm /4.8 lb/1000 ft^3 /75 g/m^3
Highly Toxic or Toxic Under Code Classification = Neither

Table D-2 Data Classifications for Refrigerant Blends

Refrigerant Number = 498A
Composition (Mass %) = R–170/290/13I1 (7.0/8.0/85.0)
Average Relative Molar Mass = 117.9 g/mol
Bubble Point (°F) = -76.9 °F
Dew Point (°F) = -28.3 °F
Bubble Point (°C) = -60.5°C
Dew Point (°C) = -33.5 °C

BSR/ASHRAE Addendum e
to ANSI/ASHRAE Standard 34-2024

Public Review Draft

Proposed Addendum e to Standard 34-2024, Designation and Safety Classification of Refrigerants

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

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FOREWORD

This proposed addendum adds the zeotropic refrigerant blend R-479B to Tables 4-2 and D-2.

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Addendum e to Standard 34-2024

Modify Tables 4-2 and D-2 as shown.

Table 4-2 Data and Safety Classifications for Refrigerant Blends

Refrigerant Number = 479B
Composition (Mass %) = R–1132(E)/32/1234yf (23.0/44.0/33.0)
Composition tolerances = (±2.0/±2.0/±2.0)
OEL = 610 ppm v/v
Safety Group = A2L
RCL = 19,000 ppm /3.3 lb/1000 ft^3 /52 g/m^3
LFL = 79,000 ppm /14 lb/1000 ft^3 /220 g/m^3
BV = 6.6 cm/sec
Highly Toxic or Toxic Under Code Classification = Neither

Table D-2 Data Classifications for Refrigerant Blends

Refrigerant Number = 479B
Composition (Mass %) = R–1132(E)/32/1234yf (23.0/44.0/33.0)
Average Relative Molar Mass = 66.9 g/mol
Bubble Point (°F) = -61.4 °F
Dew Point (°F) = -56.2 °F
Bubble Point (°C) = -51.9°C
Dew Point (°C) = -49.0 °C

BSR/ASHRAE Addendum f
to ANSI/ASHRAE Standard 34-2024

Public Review Draft

Proposed Addendum f to Standard 34-2024, Designation and Safety Classification of Refrigerants

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

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FOREWORD

This proposed addendum adds the zeotropic refrigerant blend R-499A to Tables 4-2 and D-2.

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Addendum f to Standard 34-2024

Modify Tables 4-2 and D-2 as shown.

Table 4-2 Data and Safety Classifications for Refrigerant Blends

Refrigerant Number = 499A
Composition (Mass %) = R-170/290 (8.0/92.0)
Composition tolerances = (±0.8/±0.8)
OEL= 1000 ppm v/v
Safety Group = A3
RCL = 5,000 ppm /0.6 lb/1000 ft^3 /8.7 g/m^3
LFL = 20,000 ppm /2.2 lb/1000 ft^3 /35 g/m^3
Highly Toxic or Toxic Under Code Classification = Neither

Table D-2 Data Classifications for Refrigerant Blends

Refrigerant Number = 499A
Composition (Mass %) = R-170/290 (8.0/92.0)
Average Relative Molar Mass = 42.5 g/mol
Bubble Point (°F) = -65.2 °F
Dew Point (°F) = -48.0 °F
Bubble Point (°C) = -54.0°C
Dew Point (°C) = -44.5 °C

BSR/ASHRAE Addendum g
to ANSI/ASHRAE Standard 34-2024

Public Review Draft

Proposed Addendum g to Standard 34-2024, Designation and Safety Classification of Refrigerants

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

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FOREWORD

This proposed addendum adds the zeotropic refrigerant blend R-4101A to Tables 4-2 and D-2.

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 34-2024

Modify Tables 4-2 and D-2 as shown.

Table 4-2 Data and Safety Classifications for Refrigerant Blends

Refrigerant Number = 4101A
Composition (Mass %) = R–32/152a/13I1 (11.0/30.5/58.5)
Composition tolerances = (±2.0/±1.0/±1.0)
OEL = 760 ppm v/v
Safety Group = A2L
RCL = 6,100 ppm /1.6 lb/1000 ft^3 /26 g/m^3
LFL = 85,000 ppm /22 lb/1000 ft^3 /347 g/m^3
BV = 8.1 cm/sec
Highly Toxic or Toxic Under Code Classification = Neither

Table D-2 Data Classifications for Refrigerant Blends

Refrigerant Number = 4101A
Composition (Mass %) = R–32/152a/13I1 (11.0/30.5/58.5)
Average Relative Molar Mass = 102.9 g/mol
Bubble Point (°F) = -38.2 °F
Dew Point (°F) = -24.7 °F
Bubble Point (°C) = -39.0°C
Dew Point (°C) = -31.5 °C

BSR/ASHRAE Addendum h
to ANSI/ASHRAE Standard 34-2024

Public Review Draft

Proposed Addendum h to Standard 34-2024, Designation and Safety Classification of Refrigerants

First Public Review (February 2025)
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FOREWORD

This proposed addendum adds the zeotropic refrigerant blend R-4102A to Tables 4-2 and D-2.

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 h to Standard 34-2024

Modify Tables 4-2 and D-2 as shown.

Table 4-2 Data and Safety Classifications for Refrigerant Blends

Refrigerant Number = 4102A
Composition (Mass %) = R-134a/1234ze(E)/1233zd(E) (10.0/60.0/30.0)
Composition tolerances = (+1.5, −0.5/+0.3, −2.0/+1.5, −0.5)
OEL = 820 ppm v/v
Safety Group = A1
RCL = 47,000 ppm /14 lb/1000 ft^3 /220 g/m^3
Highly Toxic or Toxic Under Code Classification = Neither

Table D-2 Data Classifications for Refrigerant Blends

Refrigerant Number = 4102A
Composition (Mass %) = R-134a/1234ze(E)/1233zd(E) (10.0/60.0/30.0)
Average Relative Molar Mass = 117.1 g/mol
Bubble Point (°F) = 3.8 °F
Dew Point (°F) = 24.4 °F
Bubble Point (°C) = -15.7°C
Dew Point (°C) = -4.2 °C

BSR/ASHRAE Addendum i
to ANSI/ASHRAE Standard 34-2024

Public Review Draft

Proposed Addendum i to Standard 34-2024, Designation and Safety Classification of Refrigerants

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FOREWORD

This proposed addendum removes existing unclassified refrigerants from Table 4-1 and moves them to a new table, Table 4-3, for compounds assigned a number designation but not a safety classification. The addendum also clarifies application instructions for compounds to receive a number designation only (without a safety classification) and details the flammability and toxicity data requirements.

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 i to Standard 34-2024

Modify Table 4-1, section 6, 8, and 9 as follows.

4. NUMBERING OF REFRIGERANTS

An identifying number shall be assigned to each refrigerant. Assigned numbers are shown in Tables 4-1, ~~and~~ 4-2 and 4-3.

[…]

Table 4-1 Refrigerant Data and Safety Classifications

Refrigerant Number	Chemical Name[a,b]	Chemical Formula[a]	OEL[f], ppm v/v	Safety Group	RCL[c]			Highly Toxic or Toxic[d] Under Code Classification
					(ppm v/v)	(lb/Mcf)	(g/m^3)	
~~12B1~~	~~bromochlorodifluoromethane~~	~~$CBrClF_2$~~						~~Neither~~
~~31~~	~~chlorofluoromethane~~	~~CH_2ClF~~						~~Neither~~
~~41~~	~~fluoromethane (methyl fluoride)~~	~~CH_3F~~						~~Neither~~
~~141b~~	~~1,1-dichloro-1-fluoroethane~~	~~CH_3CCl_2F~~	~~500~~		~~2600~~	~~0.78~~	~~12~~	~~Neither~~
~~610~~	~~ethoxyethane (ethyl ether)~~	~~$CH_3CH_2OCH_2CH_3$~~	~~400~~					~~Neither~~
~~630~~	~~methanamine (methyl amine)~~	~~CH_3NH_2~~						~~Toxic~~
~~631~~	~~ethanamine (ethyl amine)~~	~~$CH_3CH_2(NH_2)$~~						~~Neither~~
~~732~~	~~oxygen~~	~~O_2~~						~~Neither~~
~~744A~~	~~nitrous oxide~~	~~N_2O~~						~~Neither~~

Table 4-3 Compounds assigned a number designation but not a safety classification*

Number Designation	Chemical Name	Chemical Formula	Notes	References
12B1	bromochlorodifluoromethane	$CBrClF_2$	a	
31	chlorofluoromethane	CH_2ClF	a	
41	fluoromethane (methyl fluoride)	CH_3F	a	
141b	1,1-dichloro-1-fluoroethane	CH_3CCl_2F	a	
610	ethoxyethane (ethyl ether)	$CH_3CH_2OCH_2CH_3$	a	
630	methanamine (methyl amine)	CH_3NH_2	a	
631	ethanamine (ethyl amine)	$CH_3CH_2(NH_2)$	a	
732	oxygen	O_2	a	
744A	nitrous oxide	N_2O	a	

*See also Informative Note in Section 6.3.
a—Historical fluid that has not been assigned a safety classification per Standard 34.

6.3 Molecules Not Assigned a Safety Classification
All molecules must be assigned a number designation, but not necessarily a safety classification.

Informative Note: Providing a number designation for unclassified molecules simplifies and standardizes the designation of blend constituents. However, not all molecules are suitable nor intended for use as single-component refrigerants, yet can be useful in blends. Such molecules might have properties or characteristics that make them unsuitable for use alone. Applicants should be aware of these properties or characteristics. Furthermore, by not assigning a safety classification, such molecules can be left out of other standards and codes by referring only to or extracting Tables 4-1 and 4.2. Additional molecules were included in previous versions of the Standard but never assigned a classification; these molecules are included in Table 4-3 with the note "Historical fluid that has not been assigned a safety classification per Standard 34.".

8. REFRIGERANT CLASSIFICATIONS
Refrigerants are assigned the classifications indicated in Tables 4-1 and 4-2. Table 4-3 lists molecules, which have received a number designation, but not a safety classification.

Informative Note: Toxicity and flammability data used to determine RCL values are summarized in Informative Appendix E. Toxicity data described in Section 9.6, 9.6.1 and 9.6.2 and the occupational exposure limit as defined in Section 3.1 are required regardless of classification.

9. APPLICATION INSTRUCTIONS
This section identifies requirements to apply for designations and safety group classifications for refrigerants, including blends, in addenda or revisions to the standard.

9.1.6.1 Components. The components of a refrigerant blend~~s~~ must be individually ~~classified~~ assigned a number designation before a number designation and safety classification~~s will be~~ can be assigned to ~~blends containing them~~ said blend. Applications for designation and classification of blends, therefore, shall be accompanied or preceded by applications for all components not yet designated ~~classified~~ in this standard.

9.1.8 Compounds Not Assigned a Safety Classification

The applicant may request the assignment of only a number designation and not a safety classification. Such compounds will be listed in Table 4-3. The reason(s) for this request must be provided for inclusion as a footnote to Table 4-3. Compounds in this category require flammability data requested in Section 9.7, an occupational exposure limit (OEL) as defined in Section 3.1 and the toxicity data identified in Informative Appendix E. and Sections 9.6, 9.6.1 and 9.6.2.

9.7 Flammability Information. Applications for single-compounds ~~refrigerants~~ and refrigerant blends shall include flammability test data and information identified in Normative Appendix B, Section B1.9. Applications for refrigerant blends shall also include tabulated fractionation data and information identified in Normative Appendix B, Section B2.6. See Section 9.1.6 regarding blend components.

BSR/ASHRAE Addendum j
to ANSI/ASHRAE Standard 34-2024

Public Review Draft

Proposed Addendum j to Standard 34-2024, Designation and Safety Classification of Refrigerants

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FOREWORD

This proposed addendum revises the approach to classifying the toxicity of refrigerants.

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 j to Standard 34-2024

Modify section B as follows. The remainder of Section B remains unchanged.

B1.9 Flammability Test Data Required. Applications shall include test results determined in accordance with Section B1. Test conditions shall be controlled to the tolerances cited below. Applications shall include tabulated flammability test data for each refrigerant or refrigerant blend composition tested. These data shall include but are not limited to the following:

a. Refrigerant blend composition tested: ~~±0.1~~ ±0.5 mass percent or one-fourth of the composition tolerance range, whichever is smaller
b. Flammability test temperature: ±5°F (±3°C)
c. Fractionation or leak test temperature: ~~±0.2°F (0.1°C)~~ ±2°F (±1°C)
d. Test pressure: ~~14.1 psia (97.3 kP~~a) (97.3 kPa) and 15.1 psia (104.0 kPa)
e. Humidity: 0.0088 ±0.0005 g of water vapor per gram of dry air
f. Refrigerant/air concentration: ±0.2% by volume
g. Spark duration: ±0.05 seconds
~~h. Flame propagation determination as measured from the point of ignition to the walls of the flask: ±5.0 degrees~~

The minimum measurement resolution required for various test conditions are listed below
a. Refrigerant blend composition tested: 0.1 mass percent
b. Flammability test temperature: 0.2°F (0.1°C)
c. Fractionation or leak test temperature: 0.2°F (0.1°C)
d. Test pressure: 0.1 psi (0.7 kPa)
e. Humidity: 0.0001 g of water vapor per gram of dry air
f. Refrigerant/air concentration: 0.1% by volume
g. Spark duration: 0.01 seconds
h. Flame propagation determination as measured from the point of ignition to the walls of the flask: 1.0 degrees

S410 Standard for Professional Cleaning of the Built Environment for Infection Prevention and Control

Substantive Changes Document

Third Limited Public Review (March 2025). Draft shows Proposed Changes to Standard.

Note to Reviewers: *These changes are indicated in the text by underlining (for additions) and strikethrough (for deletions). 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.*

1.4 Crisis or Outbreak Cleaning

Outbreak cleaning is triggered when the relevant public health authority (e.g., US Public Health Service, Public Health Agency of Canada) declares an outbreak. Cleaning operations *shall* work in collaboration with, and follow directions established by the health authority to address the outbreak appropriately, when required. ~~The cleaning operation *should* protect the personnel performing the cleaning as well as the occupants of the space being cleaned from exposure to airborne hazards.~~

BSR/UL 174, Standard for Safety for Household Electric Storage Tank Water Heaters

1. Smart-Enabled Water Heater Clarifications

PROPOSAL

SB3 Functional Safety

SB3.1 Controls actuated in response to external communication signals or data shall not introduce a hazardous operating condition or state that may lead to a hazardous operating condition.
With respect to SB3.1, the control shall not:

a) Render inoperative any protective control or control function within the appliance;

b) Alter the response or expected performance of hazardous electrical, moving or hot parts to user actuation of controls, movement of doors, covers or lids or contact with external and functional surfaces of the appliance;

Exception: If the altered response or performance does not introduce a hazardous condition (e.g. no rise in water temperature), this requirement is not applicable.

c) Enable any functionality in the appliance that is not available via the user-operated controls;

d) Automatically override the water temperature setpoint above the value selected by the consumer;

NOTE: Setpoint adjustment via user-controlled mobile application, external accessory, or home automation is not considered an automatic override since a user input is required.

e) ~~Cause any water heater temperature display to provide a reading that differs by ±10°F (±5.6°C) of the actual (measured) water temperature, once equilibrium temperatures have been achieved;~~

f) Alter the order of appliance control response (e.g. force the water heater to cycle on the Temperature Limiting Control); or

g) Supersede the response of any protective control, such as the Temperature Limiting Control.

2. Withdrawal and Replacement of ANSI/ISA MC96.1, Temperature Measurement Thermocouples

PROPOSAL

28.2.8 A temperature is determined to be constant when three successive readings, taken at intervals of 10 percent of the previously elapsed duration of the test (and no less than 5-minute intervals), indicate no change. The thermocouples and related instruments are to be accurate and calibrated in accordance with laboratory practice. The thermocouple wire is to conform with the requirements listed in the Tolerances on Initial Values of EMF verses Temperature tables in the Standard Specification and Temperature-Electromotive Force (emf) Tables for Standardized Thermocouples, ASTM E230/E230M ~~Initial Calibration Tolerances for Thermocouples table in Temperature Measurement Thermocouples, ANSI/ISA MC96.1~~.

BSR/UL 723, Standard for Test for Surface Burning Characteristics of Building Materials

2. Scope Expansion to Include Plastic Water Distribution Plumbing Pipe

PROPOSAL

1 Scope

1.1 This method of test for surface burning characteristics of building materials is applicable to any type of building material that, by its own structural quality or the manner in which it is applied, is capable of supporting itself in position or being supported in the test furnace to a thickness comparable to its intended use.

1.2 The purpose of the test is to determine the comparative burning characteristics of the material under test by evaluating the spread of flame over its surface and the density of the smoke developed when exposed to a test fire, and thus to establish a basis on which surface burning characteristics of different materials are compared, without specific regard to all the end-use parameters that affect the surface burning characteristics.

1.2.1 The UL 723 method of test is a 10-minute fire-test response method. The following standards address testing of materials in accordance with methods of test that are applications or variations of the test method or apparatus described herein.

a. Materials required by the user to meet an extended 30-min duration tunnel test; *ASTM E2768 – Test Method for Extended Duration Surface Burning Characteristics of Building Materials (30 min Tunnel Test).*

b. Wire and Cable materials for use in air-handling spaces; NFPA 262 – *Standard Method of Test for Flame Travel and Smoke of Wires and Cables in Air-Handling Spaces.*

c. Optical Fiber and Communication Raceway materials for use in air handling spaces; UL 2024 – *Standard for Safety for Optical Fiber and Communication Cable Raceway.*

d. Pneumatic Tubing materials for use in ducts, plenums, and other space used for environmental air; UL 1820 – *Standard for Safety for Fire Tests of Pneumatic Tubing for Flame and Smoke Characteristics.*

e. Plastic Fire Sprinkler Piping materials for use in ducts, plenums, and other space used for environmental air; UL 1887 – *Standard for Fire Test of Plastic Sprinkler Pipe for Visible Flame and Smoke Characteristics.*

f. Individual Pairs of Plastic Plumbing Pipe materials for use in distribution of potable water, water used for hydronic heating and co~~l~~oling applications, and water reclaim/reuse water applications; UL 2846 – *Standard for Safety fire Test of Plastic Water Distribution Plumbing Pipe for Visible Flame and Smoke Characteristics.*

3. Calibration of Test Equipment – Removal of Red Oak for Smoke Calibration

PROPOSAL

5.9 **Flame Spread Calibration**

5.9.1 With the test equipment adjusted and conditioned as described in 5.2, 5.4, 5.5, and 5.7, a test or a series of tests are to be made, in either order, using nominal 1/4-inch (6.4-mm) fiber-cement board and nominal 23/32-in (18.2-mm) select-grade red-oak flooring as the sample, conditioned to 6 - 8% moisture content using one of the following two methods:

5.11 The flame-spread distance, and temperature and change in photoelectric cell readings of the red oak flooring are to be plotted separately for the duration of the test. Figures 5.2 - 5.3 are representative curves for red oak flame spread and time-temperature development, respectively. Flame spread distance is to be determined as the observed distance minus 4-1/2 ft (1.4 m).

Figure 5.2
Representative Time-Distance Curve for Flame Spread of Red Oak

Figure 5.3
Time-Temperature Curve - Red Oak

5.12 In addition to the calibration tests for red oak, a similar test(s) is to be conducted on samples of nominal 1/4-in (6.4-mm) fiber-cement board. The results represent an index of zero (0) for these requirements. The temperature readings are to be plotted separately for the duration of the test. Figure 5.5 is a representative curve for time-temperature development of inorganic reinforced cement board.

Figure 5.5

Time-Temperature Curve - Fiber-Cement Board

5.13 **Smoke Density Calibration**

5.13.1 A series of tests are permitted to be conducted using heptane, following the ~~fiber-cement board~~ flame calibration test. The smoke density area generated by the heptane is to be used to calculate the Smoke Developed Indices as described in 7.1.6.

5.19.1 Add the average of the two heptane smoke calibration tests to a data set containing at least the last four calibrations in order to maintain a running average of at least five calibrations have been performed on new equipment, average the available number of calibrations to achieve the running average.

7.1.6 The test results for smoke density are to be plotted and the area under the curve determined. The area is to be divided by the area under the curve determined for heptane, as described in Section 5 and multiplied by 100 to establish a numerical index by which the performance of the material is to be compared with that of fiber-cement board heptane. Fiber-cement board has been arbitrarily established as zero (0) SDI and heptane, arbitrarily established as one hundred (100) SDI. In the unlikely event of particulate blockage of the photocell, the test shall be deemed invalid and re-conducted, or a qualifying notation shall be included in the test report.

UL 985, Standard for Household Fire Warning System Units

1. Jarring Test Methods for Desktop, Freestanding, Non-wall and Non-ceiling Type Mounted Products

PROPOSAL

49A.6 Desktop products shall be ~~Products intended to be mounted on a desktop shall be~~ permitted provided both of the following conditions are met:

BSR/UL 1484, Standard for Fuel Gas Alarms

1. Alternate Corrosion Test (21-Day)

PROPOSAL

49.16A Alternate corrosion test (21-day)

49.16A.1 The 21-day corrosion test outlined in 49.16A.2 – 49.16A.4 may be conducted in lieu of tests in 49.16.

49.16A.2 Two samples, one at maximum and one at minimum sensitivity setting, are to be placed in a 200 liter or larger test chamber on a platform approximately 50.8 mm (2 in) above the bottom of the chamber. The temperature in the chamber shall be maintained at 30 ±2°C (86 ±3°F) and the relative humidity at 70 ±2 % (measured directly in the chamber). The temperature and humidity are to be checked daily. Because of the corrosive atmosphere a set of wet and dry bulb thermometers shall be used for measurement of relative humidity.

49.16A.3 The following gas mixture in air is to be supplied to the chamber at a rate sufficient to achieve an air exchange in the chamber of about five times per hour, for a period of 3 weeks: 100 ±10 parts per billion (ppb) (parts per billion = parts per 109 by volume) hydrogen sulfide (H_2S) plus 20 ±5 ppb chlorine (Cl_2) plus 200 ±50 ppb nitrogen dioxide (NO_2). The air inside the chamber is to be circulated by a single fan, with flow upwards from the bottom.

49.16A.4 Detection threshold measurements are to be made before and after this test.