ANSI STANDARDS ACTION

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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.

AAMI (Association for the Advancement of Medical Instrumentation)

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

National Adoption

BSR/AAMI/IEC 60601-2-16-202X, Medical electrical equipment - Part 2-16: Particular requirements for basic safety and essential performance of haemodialysis, haemodiafiltration, and haemofiltration equipment (identical national adoption of IEC 60601-2-39:2025 and revision of ANSI/AAMI/IEC 60601-2-16-2018)
Stakeholders: Manufacturers, users, and regulators of dialysis equiptment

Project Need: Safety and performance standard for dialysis

Interest Categories: Industry, User, Regulatory and General Interest

IEC 60601□2□16:2025 specifies particular requirements for the basic safety and essential performance of haemodialysis, haemodiafiltration, and haemofiltration equipment used in hospitals, clinics, and home settings;
- Updated references to harmonize with recent collateral and particular IEC 60601 standards;
- Enhanced safety requirements for electrical and operational performance, including considerations for anticoagulant delivery and patient protection;
- Editorial and technical refinements to improve clarity, consistency, and applicability in modern dialysis devices.

AAMI (Association for the Advancement of Medical Instrumentation)

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

National Adoption

BSR/AAMI/IEC 60601-2-39-202X, Medical Electrical Equipment – Part 2-39: Particular requirements for basic safety and essential performance of peritoneal dialysis equipment (identical national adoption of IEC60601239:2025 and revision of ANSI/AAMI/IEC 60601-2-39-2018)
Stakeholders: Manufacturers, users, and regulators of dialysis equiptment

Project Need: Safety and performance standard for dialysis

Interest Categories: Industry, User, Regulatory and General Interest

IEC 60601□2□39:2025 specifies the safety and essential performance requirements for peritoneal dialysis (PD) medical electrical equipment. It applies to equipment used by healthcare professionals or under supervised patient operation, in both hospital and home environments. The standard ensures electrical and patient safety, addressing risks specific to PD devices, and provides guidance to guarantee safe and effective operation under normal and fault conditions.

AAMI (Association for the Advancement of Medical Instrumentation)

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

National Adoption

BSR/AAMI/ISO 5840-1-2021/Amd 1-202X, Cardiovascular implants — Cardiac valve prostheses — Part 1: General requirements — Amendment 1 (identical national adoption of ISO 5840-1:2021/Amd 1:2025)
Stakeholders: Manufacturers, users, and regulators of heart valve substitutes

Project Need: The US National Committee considers ISO 5840□1:2021/Amd 1:2025 necessary for identical adoption and publication, as it amends the previously adopted ISO 5840□1:2021 and incorporates important updates.

Interest Categories: Industry, User, Regulatory and General Interest

This document provides corrections to ISO 5840-1:2021, including updated definitions, revised hemodynamic testing pressure ranges (Tables 3 and 4), and a replacement of Annex E, Table E.2.

AAMI (Association for the Advancement of Medical Instrumentation)

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National Adoption

BSR/AAMI/ISO 5840-2-2021/Amd 1-202X, Cardiovascular implants — Cardiac valve prostheses — Part 2: Surgically implanted heart valve substitutes — Amendment 1 (identical national adoption of ISO 5840-2:2021/Amd 1:202x)
Stakeholders: Manufacturers, users, and regulators of heart valve substitutes

Project Need: The US National Committee considers ISO 5840-2:2021/Amd 1:2025 necessary for identical adoption and publication, as it amends the previously adopted ISO 5840-2:2021 and incorporates important updates.

Interest Categories: Industry, User, Regulatory annd General Interest

This documents provides corrections and clarifications to ISO 5840-2:2021 including updates to Annex F.

AAMI (Association for the Advancement of Medical Instrumentation)

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National Adoption

BSR/AAMI/ISO 5840-3-2021/Amd 1-202X, Cardiovascular implants — Cardiac valve prostheses — Part 3: Heart valve substitutes implanted by transcatheter techniques — Amendment 1 (identical national adoption of ISO 5840 -3:2021/Amd 1:202x)
Stakeholders: Manufacturers, users, and regulators of heart valve substitutes

Project Need: The US National Committee considers ISO 5840-3:2021/Amd 1:2025 necessary for identical adoption and publication, as it amends the previously adopted ISO 5840-3:2021 and incorporates important updates.

Interest Categories: Industry, User, Regulatory annd General Interest

This document provides corrections and clarifications to ISO 5840-3:2021 including updates to Annex C

ANS (American Nuclear Society)

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

Revision

BSR/ANS 54.8-202x, Liquid Metal Fire Protection (revision of ANSI/ANS 54.8-2025)
Stakeholders: Sodium fast reactor vendors, U.S. NRC, national laboratories, universities, and fire protection system engineers/developers

Project Need: The need to revive and update withdrawn standard ANS-54.8-1988 was documented in the recent Argonne National Laboratory (Argonne) report, "Assessment of Sodium Fast Reactor Specific Consensus Standards and Recommendations for Future Regulatory Development for Standards Activities, ANL/NSE-23/36." Revival of the standard is necessary before possible review and endorsement of other bodies such as ANSI and the NRC. Ultimately, an endorsed liquid metal fire protection consensus standard would help provide clarity for licensing interaction stakeholders of the expectations and requirements for liquid metal fire protection systems.

Interest Categories: Individual, Vendor, University, Government Agency, National Laboratories/ Government Facilities, Owner

This standard establishes guidelines and requirements to ensure that the fundamental performance of liquid-metal fire detection, alarm, suppression, control, and structural protection systems are adequate to protect the public health and safety, facility personnel, and minimize or limit the economic loss in the event of a sodium/NaK leak.

ESTA (Entertainment Services and Technology Association)

Richard Nix <standards@esta.org> | 271 Cadman Plaza, P.O. Box 23200 | Brooklyn, NY 11202-3200 www.esta.org

Revision

BSR/ES1.4-202x, Event Fire Safety Requirements (revision of ANSI ES1.4-2021)
Stakeholders: Entertainment event producers, designers, technicians, performers, audience members, and companies insuring live entertainment events

Project Need: The existing published version is being revised to update its requirements and to add other references.

Interest Categories: Designers, Dealer or rental companies; Equipment providers; Event producers; Event workers; General interest; Insurance companies; Performing artists

This standard applies to fire safety in the live event industry. Fire safety is the identification and assessment of event-specific fire risks, and the effects that fire and smoke will have to the life safety of all persons who may be affected. It includes those measures required to minimize the likelihood of a fire starting, means of escape (egress), fire safety monitoring, and the methods used to limit the development, spread, and effects of fire.

ESTA (Entertainment Services and Technology Association)

Richard Nix <standards@esta.org> | 271 Cadman Plaza, P.O. Box 23200 | Brooklyn, NY 11202-3200 www.esta.org

Revision

BSR/E1.4-3-202x, Manually Operated Hoist Rigging Systems (revision of ANSI E1.4-3-2020)
Stakeholders: Manufacturers, users, service technicians, installers, consultants

Project Need: The existing published standard is being revised to update the version listings of externally-referenced standards

Interest Categories: Custom market producers, Mass marker producers, Dealer or rental companies, Designers, Users, General interest

This standard applies to permanently installed, manually operated hoists used as part of rigging systems for raising, lowering, and suspension of scenery, properties, lighting, and similar loads. This standard establishes requirements for the design, manufacture, installation, inspection, and maintenance of manually operated hoist systems for lifting and suspension of loads for performance, presentation, and theatrical production.

ESTA (Entertainment Services and Technology Association)

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New Standard

BSR/E1.73-7-202x, Effect Definitions Library for Uniform Device Representation (UDR) (new standard)
Stakeholders: Control technicians, programmers, designers, manufacturers, consultants

Project Need: This standard provides an industry recognized consistent way of understanding the structure and capabilities of devices across all parts of the entertainment and architectural disciplines.

Interest Categories: Custom market producers, Mass marker producers, Dealer or rental companies, Designers, Users, General interest

This standard defines structures and uses of the data model and structures defined in E1.73-1 Uniform Device Representation related to understanding and manipulating effect capabilities. These objects are expected to be used by many implementors of the UDR standard to describe entertainment and architectural devices. The definitions provided are intended to describe visual, and audio elements of a production environment.

ESTA (Entertainment Services and Technology Association)

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New Standard

BSR/E1.73-8-202x, Configuration Definitions Library for Uniform Device Representation (UDR) (new standard)
Stakeholders: Control technicians, programmers, designers, manufacturers, consultants

Project Need: This standard provides an industry recognized consistent way of understanding the structure and capabilities of devices across all parts of the entertainment and architectural disciplines.

Interest Categories: Custom market producers, Mass marker producers, Dealer or rental companies, Designers, Users, General interest

This standard defines structures and uses of the data model and structures defined in E1.73-1 Uniform Device Representation related to understanding and manipulating configuration. These objects are expected to be used by many implementors of the UDR standard to describe entertainment and architectural devices. The definitions provided are intended to describe visual, and audio elements of a production or environment.

ESTA (Entertainment Services and Technology Association)

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New Standard

BSR/E1.88-202x, Framework for Entertainment Network Cybersecurity & Efficiency (new standard)
Stakeholders: Control technicians, programmers, designers, manufacturers, consultants

Project Need: As entertainment control systems become more network-connected, the need for strong but practical cybersecurity has grown. Many of the entertainment network protocols we rely on were never built with today's cyber threats or regulatory demands in mind, especially with new rules like the EU's Cyber Resilience Act coming into play. This project exists to close that gap. Instead of creating new cybersecurity methods, it focuses on adapting proven, existing frameworks. It intends to provide manufacturers clear guidance for adding cyber resiliency to their products—without adding unnecessary complexity—and to give system designers a reliable interoperable foundation.

Interest Categories: Custom market producers, Mass marker producers, Dealer or rental companies, Designers, Users, General interest

This standard provides the methodology for exchange of network security keys and tokens to facilitate authentication, authorization, and the encrypted transfer of data by other ESTA standards. It is anticipated that future versions of existing Entertainment Network Control standards will reference this standard. The intent is to reference established cybersecurity methods where possible. The focus is on low-burden, interoperable practices that help users and designers create secure, defensible systems.

ESTA (Entertainment Services and Technology Association)

Richard Nix <standards@esta.org> | 271 Cadman Plaza, P.O. Box 23200 | Brooklyn, NY 11202-3200 www.esta.org

New Standard

BSR/E1.89-202x, Recommendations for measuring photometric data and classification of entertainment luminaires by photobiological hazard (new standard)
Stakeholders: Lighting equipment manufacturers, lighting service technicians, all show personnel, audience members; federal, state and local regulatory bodies

Project Need: Laser light sources in entertainment luminaires present many technological and creative advantages but as with any new technology the existing standards governing the classification and safe usage of these fixtures were never written with this application in consideration. This poses both safety concerns and has made regulatory compliance in the US extremely time consuming and expensive for manufacturers. Various US regulatory bodies such as FDA and FAA have indicated they would be willing to harmonize an established standard with their existing regulations provided the standard provides appropriate guidance on safe classification and usage of these types of luminaires. The photobiological hazards associated with laser light sourced entertainment luminaires are not inherently worse than LED or arc discharge sourced fixtures. The industry needs a clear standard that allows for classification of all entertainment luminaires into distinct hazard categories so manufacturers, purchaser, users and artists have a clear communication of any risks. This standard is needed to both improve industry safety and ease regulatory burdens

Interest Categories: Custom market producers, Mass marker producers, Dealer or rental companies, Designers, Users, General interest

To establish standardized measurement criteria for high powered entertainment luminaires for classification into categories that reflect the photobiological hazards of these fixtures. When the standard is applied to any entertainment luminaire by a manufacturer a purchaser/end user should have a clear understanding of any potential photobiological hazards and safe distances/usage.

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 1051-202x, Performance Requirements for Individual and Branch Type Air Admittance Valves for Sanitary Drainage Systems (revision of ANSI/ASSE Standard 1051-2021)
Stakeholders: Construction and maintenance personnel, plumbing and construction contractors, regulatory authorities, plumbers, manufacturers.

Project Need: ASSE 1051 devices prevent sewer gases from entering a building and are referenced in several model plumbing codes including the National Standard Plumbing Code (NSPC) 2024, ICC International Plumbing Code (IPC) 2024, as also in American Society of Mechanical Engineers (ASME) standard A112.18.8-2020.

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

This standard applies to devices consisting of a one-way valve designed to allow air to enter the plumbing drainage system when a pressure less than atmospheric develops. The device closes and seals by gravity under zero (0) differential pressure (static condition) and under positive pressure.

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

New Standard

BSR/ASSE Series 29000-202x, Professional Qualifications Standard for Personnel Related to Safe Pressure Testing of Piping Systems (new standard)
Stakeholders: Installers, testers and inspectors of site constructed piping systems, Manufacturers of skid type piping systems, professionals training of installation and testing of piping systems, Construction professional

Project Need: Pressure testing—both pneumatic and hydrostatic—is a critical procedure mandated to validate the integrity and construction of piping systems. To ensure the safety of individuals exposed to the inherent hazards of these tests, it is essential to establish personnel qualification requirements that align with recognized industry standards, codes, and best practices. Professionals involved in pressure testing activities—whether on partially or fully assembled piping systems, in field or factory settings, and across industrial, commercial, or residential applications—must possess clearly defined qualifications. These qualifications should encompass technical competencies, safety training, and procedural knowledge necessary to perform pressure testing safely and effectively. Establishing a standardized framework for personnel qualification not only promotes safety but also enhances the reliability and compliance of pressure testing operations across all sectors.

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

ASSE PQ 29000 will define essential knowledge requirements, covering standardized procedures, equipment usage, and safety protocols for pressure testing, leak detection, and system verification in both residential and commercial plumbing applications. This standard will set forth minimum competency levels to ensure the safety of personnel and the protection of property. Notably, it will focus specifically on field testing practices, providing a framework to verify that plumbing systems are properly and safely assessed prior to being placed into service.

NENA (National Emergency Number Association)

Nena Staff <crm@nena.org> | 1700 Diagonal Road, Suite 500 | Alexandria, VA 22314 www.nena.org

Revision

BSR/NENA STA-041.1.1-202x, NENA Telecommunicator Cardiopulmonary Resuscitation (T-CPR) Standard (revision and redesignation of ANSI/NENA STA-041.1-2022)
Stakeholders: Public Safety Answering Point (PSAP) and dispatch operations personnel, emergency medical responders, Emergency Medical Dispatch (EMD) protocol developers and SMEs, EMS Medical Directors, Field Paramedicine Practitioners, 9-1-1 industry partners, and others with a vested interest in Telephone CPR standards.

Project Need: Revision

Interest Categories: Users, Producers, General Interests

Revision of the NENA Telecommunicator Cardiopulmonary Resuscitation (T-CPR) Standard.

NIST/ITL (National Institute of Standards and Technology/Information Technology Laboratory)

Jennifer Stathakis <Jennifer.stathakis@nist.gov> | 100 Bureau Drive MS 8940 | Gaithersburg, MD 20899-8900 www.nist.gov

Addenda

BSR/NIST-ITL 1-202Xa, Data Format for the Interchange of Fingerprint, Face & Other Biometric Information - Addendum (addenda to ANSI/NIST-ITL 1-2011 Update:2015)
Stakeholders: All consumers and proponents of the ANSI/NIST-ITL standard can influence the update to the document as a consensus standard.

Project Need: An addendum to the ANSI/NIST-ITL 202x standard is needed to include modernized data formats for multiple modalities, such as DNA and Iris Recognition.

Interest Categories: Vendors, Consultants, Researchers, Practitioners, ABIS System Owners, and those with a general interest.

The ANSI/NIST-ITL Standard is used to ensure interoperability between biometric systems, and consistency in file formats for biometric data exchange.

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: October 19, 2025

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

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

Addenda

ASHRAE Addendum y to ANSI/ASHRAE Standard 15-2024, Safety Standard for Refrigeration Systems (addenda to ANSI/ASHRAE Standard 15-2024)
This addendum intends to better harmonize releasable charge and release mitigation control requirements with the product design standards, UL 60335-2-40 and UL 60335-2-89. Addendum y also intends to provide greater clarity around what portions of an independent circuit are impacted by signals from a refrigerant detector or refrigerant detection system.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Online Comment Database at https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

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

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

Addenda

BSR/ASHRAE/ICC/IES/USGBC Addendum o to 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)
In response to feedback from commenters, this independent substantive change increases the applicable height where bird-friendly glazing is required from 75 ft to 100 ft above grade. It also clarifies the wording related to glazing adjacent to roof areas with vegetation or water features, and clarifies the wording related to visual markers to include opaque, translucent (e.g., etched), and ultraviolet reflective markers.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Free download at https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

Comment Deadline: October 19, 2025

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

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

Addenda

BSR/ASHRAE/ICC/IES/USGBC Addendum t to 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)
This addendum clarifies that certain provisions in Section 8 only apply to certain types of construction (e.g., new buildings, additions, etc.). These changes will not negatively affect the cost of construction and in most cases, provides relief from requirements that are difficult to meet or are undesirable for aesthetic reasons for additions or alterations.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Free download at: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105 | mmilla@nsf.org, www.nsf.org

Revision

BSR/NSF 330-202x (i13r1), Glossary of Drinking Water Treatment Unit Terminology (revision of ANSI/NSF 330 -2021)
Definitions covered by this standard consist of terminology related to drinking water treatment units including terms describing materials, design, construction, and performance testing. This standard includes definitions of terms used in NSF Drinking Water Treatment Unit standards.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Monica Milla <mmilla@nsf.org>

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105 | cleone@nsf.org, www.nsf.org

Revision

BSR/NSF/CAN 61-202x (i199r2), Drinking Water System Components - Health Effects (revision of ANSI/NSF/CAN 61-2024)
This standard is intended to cover specific materials or products that come into contact with: drinking water, drinking water treatment chemicals, or both. The focus of the standard is evaluation of contaminants or impurities imparted indirectly to drinking water.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Cassandra Leone <cleone@nsf.org>

Comment Deadline: October 19, 2025

RESOLVE (Resolve, Inc.)

2445 M Street, NW, Suite 550, Washington, DC 20037 | pr3standards@resolve.ngo, www.resolve.ngo

New Standard

BSR/RESOLVE RES-001-202x, Reusable packaging system design standard - Container design and performance (new standard)
This standard specifies design requirements and recommendations for reusable packaging that is intended to be part of a returnable packaging system. The standard covers packaging design aspects, including materials, durability, labeling, digital tagging, and other aspects, that enable the packaging to be part of a system of shared return points, transport, and washing infrastructure. This standard is only applicable to primary packaging that comes into direct contact with a product and consumer. This standard is not applicable to secondary or tertiary packaging, such as e-commerce boxes or sleeves or business-to-business packaging.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: https://forms.gle/pRQVLk9Q5gR4DpKA9

SDI (ASC A250) (Steel Door Institute)

30200 Detroit Road, Westlake, OH 44145 | leh@wherryassoc.com, www.wherryassocsteeldoor.org

Revision

BSR A250.4-202x, Test Procedure and Acceptance Criteria for Physical Endurance for Steel Doors, Frames and Frame Anchors (revision of ANSI A250.4-2024)
The primary purpose of this procedure shall be to establish a standard method of testing the performance of a steel door mounted in a hollow metal or channel iron frame installed with appropriate anchors, under conditions that might reasonably be considered an accelerated field operating condition.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Linda Hamill <leh@wherryassoc.com>

ULSE (UL Standards and Engagement)

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

National Adoption

BSR/UL 62784-202x, Standard for Safety for Vacuum Cleaners and Dust Extractors providing Equipment Protection Level DC for the Collection of Combustible Dusts - Particular Requirements (national adoption with modifications of IEC 62784)
Revisions to the recirculation proposal document dated July 18, 2025, per responses to comments received.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: https://csds.ul.com/ProposalAvailable

ULSE (UL Standards and Engagement)

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

Revision

BSR/UL 30-202X, Standard for Safety for Metallic and Nonmetallic Safety Cans for Flammable and Combustible Liquids (revision of ANSI/UL 30-2025)
(1) Type 1 Safety Can
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: October 19, 2025

ULSE (UL Standards and Engagement)

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

Revision

BSR/UL 218-202x, Standard for Fire Pump Controllers (revision of ANSI/UL 218-2015 (R2025))
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 https://csds.ul.com/Home/ProposalsDefault.aspx

ULSE (UL Standards and Engagement)

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

Revision

BSR/UL 763-202x, Standard for Safety for Motor-Operated Commercial Food Preparing Machines (revision of ANSI/UL 763-2023)
(1) Mold Stress-Relief Distortion Test; (2) Surface temperature limit.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: https://csds.ul.org/ProposalAvailable

ULSE (UL Standards and Engagement)

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

Revision

BSR/UL 1449-202x, Standard for Surge Protective Devices (revision of ANSI/UL 1449-2022)
Recirculation of the following topics previously balloted: (9) Types 1, 2, and 3 Enclosed SPDs Incorporating Aluminum Rivets.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Follow the instructions at the following website to enter comments into the CSDS Work Area: https://csds.ul.com/ProposalAvailable

ULSE (UL Standards and Engagement)

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

Revision

BSR/UL 5840-202x, Standard for Safety for Electrical Systems of Battery-Powered Aviation Ground Support Equipment (revision of ANSI/UL 5840-2022)
An addition of an exception for batteries and battery management systems for stationary ground support equipment is being proposed to the Standard for Safety Electrical Systems of Battery Powered Aviation Ground Support Equipment, ANSI/UL 5840.
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: November 3, 2025

AISC (American Institute of Steel Construction)

130 E. Randolph Street, Suite 2000, Chicago, IL 60601 | matthew@aisc.org, www.aisc.org

Revision

BSR/AISC 358-202x, Prequalified Connections for Special and Intermediate Steel Moment Frames for Seismic Applications (revision of ANSI/AISC 358-2022)
This standard specifies design, detailing, fabrication, and quality criteria for structural steel moment connections that are prequalified in accordance with the AISC Seismic Provisions for Structural Steel Buildings (AISC 341) for use with special moment frames (SMF) and intermediate moment frames (IMF).
Single copy price: $35.00
Obtain an electronic copy from: www.aisc.org/publicreview
Send comments (copy psa@ansi.org) to: Margaret Matthew <matthew@aisc.org>

APTech (ASC CGATS) (Association for Print Technologies)

450 Rev Kelly Smith Way, Nashville, TN 37203 | jshaffer@aptech.org, www.printtechnologies.org

National Adoption

BSR CGATS.17-202x, Graphic technology - Exchange format for colour and process control data using XML or ASCII text (national adoption of ISO 28178 with modifications and revision of ANSI CGATS.17-2009 (R2020))
This document defines an exchange format for color and process controldata (and the associated metadata necessary for its proper interpretation) in electronic form using either XML or ASCII formatted data files. This exchange format maintains human readability of the data as well as enabling machine readability. It includes a series of predefined tags and keywords, and provides extensibility through provision for the dynamic definition of additional tags and keywords as necessary. It is focused primarily on spectral measurement data, colorimetric data, and densitometric data.
Single copy price: $70.00
Obtain an electronic copy from: standards@aptech.org
Send comments (copy psa@ansi.org) to: standards@aptech.org

Comment Deadline: November 3, 2025

ARESCA (American Renewable Energy Standards and Certification Association)

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

New Standard

BSR/ARESCA WE-10-1-202x, Wind energy generation systems - Power Performance Testing (PPT) for Wind Turbine Repowering Projects (new standard)
The proposed standard focuses on establishing guidelines and methodologies for site calibration and power performance testing specific to wind turbine repowering projects. Repowering often involves replacing or upgrading turbines with newer technologies, presenting unique challenges in calibration and performance testing, especially in complex terrain or when existing site calibration data is limited. This standard aims to provide a consistent approach to adapting site calibration methodologies, leveraging both historical and numerical site calibration (NSC) data to ensure accuracy in repowered installations. The scope covers guidance on using or adapting site calibration data from original wind projects, criteria for deploying wind measurement devices relative to repowered turbines, and decision frameworks for when to use measured SC versus NSC. Additionally, it addresses considerations for changing terrain types, including transitions from flat to complex terrain, and the continued use of existing met masts with respect to spacing and potential blockage effects. By providing comprehensive guidelines for these scenarios, this standard seeks to bridge gaps not addressed in current IEC 61400-12 and -50 standards, ultimately enhancing the reliability and consistency of power performance assessments for repowered wind farms.
Single copy price: Free
Obtain an electronic copy from: secretary@aresca.us
Send comments (copy psa@ansi.org) to: George Kelly <secretary@aresca.us>

ARESCA (American Renewable Energy Standards and Certification Association)

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

New Standard

BSR/ARESCA WE-10-2-202x, Wind energy generation systems - Numerical Site Calibration (NSC) for Complex Terrain Sites (new standard)
The proposed standard aims to establish robust methodologies for numerical site calibration (NSC) specifically tailored to wind energy projects located in complex terrain. With the rapid advancement and adoption of wind technology across diverse topographies, traditional site calibration using cup anemometers is often impractical or infeasible. This standard will refine and advance existing concepts outlined in IEC 61400-12-4 to offer comprehensive, consistent, and accurate calibration guidance for these challenging environments. The scope of this standard encompasses three main areas: the development of detailed NSC methodologies, validation and acceptance criteria for modeling methods, and application protocols for NSC corrections with consideration for uncertainty quantification. The overarching goal is to ensure accurate wind measurements and reliable power performance testing (PPT) results in complex terrain settings. Given the readiness within the wind industry to adopt enhanced guidance, this standard will fill a critical gap, driving operational accuracy and consistency.
Single copy price: Free
Obtain an electronic copy from: secretary@aresca.us
Send comments (copy psa@ansi.org) to: George Kelly <secretary@aresca.us>

Comment Deadline: November 3, 2025

ASABE (American Society of Agricultural and Biological Engineers)

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

New Standard

BSR/ASABE S652 MONYEAR-202x, Wind Loads on Circular Grain Bins (new standard)
This standard presents methods to estimate loads produced by wind pressures on walls and roofs of individual corrugated metal grain bins.
Single copy price: Free
Obtain an electronic copy from: walsh@asabe.org
Send comments (copy psa@ansi.org) to: walsh@asabe.org

ASABE (American Society of Agricultural and Biological Engineers)

2590 Niles Road, Saint Joseph, MI 49085 | stell@asabe.org, https://www.asabe.org/

New Standard

BSR/ASABE S664 MONYEAR-202x, Direct to Consumption Specialty Crop Equipment - Hygienic Design Requirements (new standard)
The purpose of this standard is to establish industry-consensus sanitary design standards for specialty crop equipment that is used in direct-to-consumption specialty crop production. This standard applies to harvesters and other equipment that comes in contact with these specialty crops in season.
Single copy price: Free
Obtain an electronic copy from: stell@asabe.org
Send comments (copy psa@ansi.org) to: Sadie Stell <stell@asabe.org>

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

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

Addenda

BSR/ASHRAE/ICC/IES/USGBC Addendum r 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)
This addendum updates the annual-average carbon emission rates in Table 7.6.2.1 of Standard 189.1-2023 Addendum h. The update is based on the data available from US DOE, US EPA, DOE/NETL, and NREL at the time of publication. Documentation of these data sources and the methodology used is provided in an update to Informative Appendix J, which is issued concurrently with this addendum as Addendum s in an Advisory Public Review.
Single copy price: Free
Obtain an electronic copy from: Free download at https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts
Send comments (copy psa@ansi.org) to: Online Comment Database at https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

Comment Deadline: November 3, 2025

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

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

Addenda

BSR/ASHRAE/ICC/IES/USGBC Addendum s 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)
This addendum is part of the changes in Addendum r and does not show underline and strikethrough for brevity. The entirety of the Informative Appendix J is updated here and will be a full replacement. For reviewers, note that Section J5 remains unchanged.
Single copy price: Free
Obtain an electronic copy from: Free download at https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts
Send comments (copy psa@ansi.org) to: Online Comment Database at https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

ASME (American Society of Mechanical Engineers)

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

Revision

BSR/ASME B30.7-202x, Winches (revision of ANSI/ASME B30.7-2021)
The B30.7 Volume includes provisions that apply to the construction, installation, operation, inspection, testing, and maintenance of winches arranged for mounting on a foundation or other supporting structure for moving loads. Winches addressed in this Volume are those typically used in industrial, construction, and maritime applications. The requirements included in this Volume apply to winches that are powered by internal combustion engines, electric motors, compressed air, or hydraulics, and that utilize drums and rope.
Single copy price: Free
Obtain an electronic copy from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm
Send comments (copy psa@ansi.org) to: Kathleen Peterson <petersonk@asme.org>

AWWA (American Water Works Association)

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

Revision

BSR/AWWA C652-202x, Disinfection of Water-Storage Facilities (revision of ANSI/AWWA C652-2019)
This standard for disinfection of water-storage facilities describes materials, facility preparation, application of disinfectant to interior surfaces of facilities, and sampling and testing for the presence of coliform bacteria, chlorine residual, and acceptable aesthetic water quality. The standard also includes disinfection procedures for underwater inspection and/or cleaning of potable-water-storage facilities but does not describe the technical aspects of underwater inspection and/or cleaning.
Single copy price: Free
Obtain an electronic copy from: ETSsupport@awwa.org
Send comments (copy psa@ansi.org) to: AWWA, Paul J. Olson (polson@awwa.org)

Comment Deadline: November 3, 2025

AWWA (American Water Works Association)

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

Revision

BSR/AWWA C115/A21.15-202x, Flanged Ductile-Iron Pipe with Ductile-Iron or Gray-Iron Threaded Flanges (revision of ANSI/AWWA C115/A21.15-2020)
This standard describes 3-in. through 64-in. (80-mm through 1,600-mm) flanged ductile-iron pipe with ductile-iron or gray-iron threaded flanges for potable water, wastewater, and reclaimed water service. Flanged pipe and flanges are rated for a maximum working pressure of 250 psi (1,720 kPa). However, 24-in. (600-mm) and smaller flange joints with ductile-iron flanges may be rated for a maximum working pressure of 350 psi (2,413 kPa), as noted in the footnote of Table 1.
Single copy price: Free
Obtain an electronic copy from: ETSsupport@awwa.org
Send comments (copy psa@ansi.org) to: AWWA, Paul J. Olson (polson@awwa.org)

HI (Hydraulic Institute)

300 Interpace Parkway, Building A, 3rd Floor, #280, Parsippany, NJ 07054 | achatterjee@pumps.org, www.pumps.org

New Standard

BSR/HI 14.5.1-202x, Rotodynamic Pumps for Foundation Design (new standard)
This new standard aims to support the design and operation of concrete foundations for rotodynamic pump systems of radial, mixed and axial flow type, mounted on a base or baseplate, which is grouted or non-grouted.
Single copy price: $50.00
Obtain an electronic copy from: Arunima Chatterjee <achatterjee@pumps.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 1064-202x, Performance Requirements for Backflow Prevention Assembly Field Test Kits (revision of ANSI/ASSE 1064-2020)
This standard covers the performance requirements and accuracy of a BFTK. This standard is confined to analog-dial-type and digital instrumentation. Duplex gauges are not a part of this standard.
Single copy price: Free
Obtain an electronic copy from: standards@iapmostandards.org
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: November 3, 2025

NEMA (National Electrical Manufacturers Association)

1812 N Moore Street, Suite 2200, Arlington, VA 22209 | and_moldoveanu@nema.org, www.nema.org

New Standard

BSR/SM 31000-9-202x, Electrical Submeter - Commissioning and Field Testing Standard (new standard)
This document describes the processes and documentation to be used in commissioning Electricity Sub-Metering (NUEMS) devices which include both single-point meters and Multi-Circuit (or Circuit) Metering Systems (MCMS). The scope of this document includes on-site verification of labeling. This document also describes the processes and documentation to be used in field testing of Electricity Sub-Metering (NUEMS) devices which include both single-point meters and Multi-Customer (or Circuit) Metering Systems (MCMS). The scope of this document includes on-site verification of labeling, wiring, communications, and circuit assignments in accordance with NEMA BS 31001-2021.
Single copy price: Free
Obtain an electronic copy from: and_moldoveanu@nema.org
Send comments (copy psa@ansi.org) to: Same

NEMA (National Electrical Manufacturers Association)

1812 N Moore Street, Suite 2200, Arlington, VA 22209 | and_moldoveanu@nema.org, www.nema.org

Revision

BSR/SM 31000-7-2025-202x, Electrical Submeter - Current Sensor Accuracy (revision of ANSI/SM 31000-7 -2021)
ESM1-7 covers metrological requirements and associated testing for current sensors used with electrical energy submeters. The Standard applies to multiple sensor technologies with a variety of outputs. These sensors enable current measurement for AC and DC energy submetering. The Standard applies to indoor and outdoor applications, and covers temporary and permanently installed sensors for AC and DC applications.
Single copy price: $Draft free of charge
Obtain an electronic copy from: and_moldoveanu@nema.org
Send comments (copy psa@ansi.org) to: Same

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105 | mmilla@nsf.org, www.nsf.org

Revision

BSR/NSF 58-202x (i98r1), Reverse Osmosis Drinking Water Treatment Systems (revision of ANSI/NSF 58-2024)
The point-of-use (POU) RO drinking-water treatment systems addressed by this standard are designed to be used for the reduction of specific substances that may be present in drinking water (public or private) considered to be microbiologically safe and of known quality. Systems covered by this standard are intended for reduction of total dissolved solids (TDS) and other contaminants specified herein.
Single copy price: Free
Obtain an electronic copy from: https://standards.nsf.org/higherlogic/ws/public/download/80795/58i98r1%20-%20RO%20Efficiency%20-%20JC%20Memo%20%26%20Ballot.pdf/latest
Send comments (copy psa@ansi.org) to: mmilla@nsf.org

Comment Deadline: November 3, 2025

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

2001 K Street, NW, 3rd Floor North, Washington, DC 20006 | technicalstandards@resna.org, www.resna.org

Revision

BSR/RESNA WC-1-202x, RESNA Standard for Wheelchairs - Volume 1: Requirements and Test Methods for Wheelchairs (including Scooters) (revision of ANSI/RESNA WC-1-2019)
This is a limited revision of Vol. 1 that applies only to Section 15, Requirements for Information Disclosure, Documentation and Labeling, to require manufacturers to disclose information related to wheelchairs' or scooters' air travel worthiness and pertinent information. The entire standard volume applies to manual and powered wheelchairs, including scooters, and accessories for wheelchairs and scooters. The requirements being added are adapted from RESNA AT-1:2021 which applies only to wheelchairs designed for air travel. The additional content added to the standard is not part of the ISO 7176 series.
Single copy price: Free
Obtain an electronic copy from: technicalstandard@resna.org
Send comments (copy psa@ansi.org) to: technicalstandards@resna.org

SCTE (Society of Cable Telecommunications Engineers)

140 Philips Road, Exton, PA 19341-1318 | naden@scte.org, www.scte.org

Revision

BSR/SCTE 38-1-202x, Hybrid Fiber/Coax Outside Plant Status Monitoring SCTE-HMS-PROPERTY-MIB Management Information Base (MIB) Definition (revision of ANSI/SCTE 38-1-2017 (R2022))
The Property MIB contains information that must be supported by all HMS network elements, including but not limited to, transponders, line monitors, amplifiers, fiber nodes and power supplies. The MIB is defined so that "properties"may be applied to any parameter (not necessarily limited to HMS MIB objects), because each property is indexed by the object identifier of the parameter.
Single copy price: $50.00
Obtain an electronic copy from: standards@scte.org
Send comments (copy psa@ansi.org) to: standards@scte.org

SCTE (Society of Cable Telecommunications Engineers)

140 Philips Road, Exton, PA 19341-1318 | naden@scte.org, www.scte.org

Revision

BSR/SCTE 38-2-202x, Hybrid Fiber/Coax Outside Plant Status Monitoring SCTE-HMS-ALARMS-MIB Management Information Base (MIB) Definition (revision of ANSI/SCTE 38-2-2017 (R2022))
The Alarms MIB defines the reporting of alarms that result from MIB parameters meeting or exceeding the alarm conditions previously configured. This MIB describes both the table of recent alarms, and the SNMP trap generated when alarms occur. The Alarms MIB contains information that must be supported by all HMS network elements, including but not limited to, transponders, line monitors, amplifiers, fiber nodes and power supplies. Alarms are not necessarily limited to HMS MIB objects.
Single copy price: $50.00
Obtain an electronic copy from: standards@scte.org
Send comments (copy psa@ansi.org) to: standards@scte.org

Comment Deadline: November 3, 2025

SCTE (Society of Cable Telecommunications Engineers)

140 Philips Road, Exton, PA 19341-1318 | naden@scte.org, www.scte.org

Revision

BSR/SCTE 38-3-202x, Hybrid Fiber/Coax Outside Plant Status Monitoring SCTE-HMS-COMMON-MIB Management Information Base (MIB) Definition (revision of ANSI/SCTE 38-3-2017 (R2022))
The Common MIB defines common information about Network Elements (NEs). This includes administrative information such as name, ID, model number, serial numbers vendor, and location; health indicators such as status and service state; and functional information such as power level and frequency range. The Common MIB contains information that is applicable to all HMS network elements, including but not limited to, transponders, line monitors, amplifiers, fiber nodes and power supplies. All HMS NEs must support the commonAdminGroup section. The other sections should be supported for transponders following SCTE 25-1 and SCTE 25-2 specifications, as appropriate.
Single copy price: $50.00
Obtain an electronic copy from: standards@scte.org
Send comments (copy psa@ansi.org) to: standards@scte.org

ULSE (UL Standards and Engagement)

100 Queen St. Suite 1040, Ottawa, ON Canada, ON K1P 1J9 | Felipe.Luz@ul.org, https://ulse.org/

Reaffirmation

BSR/UL 1053-2011 (R202x), Standard for Safety for Ground-Fault Sensing and Relaying Equipment (reaffirmation of ANSI/UL 1053-2011 (R2020))
Reaffirmation and continuance of the Seventh Edition of the Standard for Safety for Ground-Fault Sensing and Relaying Equipment, UL 1053, as an standard.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.org/ProposalAvailable
Send comments (copy psa@ansi.org) to: Send comments (copy psa@ansi.org) to: Follow the instructions at the following website to enter comments into the CSDS Work Area: https://csds.ul.com/ProposalAvailable

ULSE (UL Standards and Engagement)

100 Queen St. Suite 1040, Ottawa, ON Canada, ON K1P 1J9 | Felipe.Luz@ul.org, https://ulse.org/

Reaffirmation

BSR/UL 2557-2020 (R202x), Standard for Safety for Membrane Switches (reaffirmation of ANSI/UL 2557-2020)
Reaffirmation and continuance of the First Edition of the Standard for Safety for Membrane Switches, UL 2557, as an standard
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.org/ProposalAvailable
Send comments (copy psa@ansi.org) to: Send comments (copy psa@ansi.org) to: Follow the instructions at the following website to enter comments into the CSDS Work Area: https://csds.ul.com/ProposalAvailable

Comment Deadline: November 3, 2025

ULSE (UL Standards and Engagement)

12 Laboratory Dr, Research Triangle, NC 27709 | anastasia.letaw@ul.org, https://ulse.org/

Reaffirmation

BSR/UL 60079-30-1-2017 (R202x), Standard for Explosive Atmospheres - Part 30-1: Electrical Resistance Trace Heating - General and Testing Requirements (reaffirm a national adoption ANSI/UL 60079-30-1-2017 (R2021))
This proposal for UL 60079-30-1 covers: the Reaffirmation and continuance of the First Edition of the Standard for Safety for Explosive Atmospheres – Part 30-1: Electrical Resistance Trace Heating – General and Testing Requirements, UL 60079-30-1, as an standard.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/ProposalAvailable
Send comments (copy psa@ansi.org) to: https://csds.ul.com/ProposalAvailable

VITA (VMEbus International Trade Association (VITA))

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

Revision

BSR/VITA 48.5-202x, Mechanical Standard for Electronic Plug-In Units Using Air-Flow-Through Cooling (revision of ANSI/VITA 48.5-R2010 (R2017))
This standard establishes the design requirements for an air-flow-through cooled plug-in unit with a form factor as close to 6U as possible while retaining the VITA 46 connector layout. Unlike ANSI/VITA 48.1, which uses cooling air impinged directly upon the components and circuit boards, this plug-in unit uses a compact core heat exchanger located within the central heat sink of the unit. This revision expands and clarifies the plug in unit pitch options, provides better guidance for heat sink design, and adds an appendix for specific air seal dimensions and suppliers.
Single copy price: $100.00
Obtain an electronic copy from: admin@vita.com
Send comments (copy psa@ansi.org) to: admin@vita.com

Comment Deadline: November 18, 2025

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

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

National Adoption

INCITS/IESO/IEC 20648:2024 [202x], Information technology - TLS specification for storage systems (identical national adoption of ISO/IEC 20648:2024)
Details the requirements for use of the Transport Layer Security (TLS) protocol in conjunction with data storage technologies. The requirements set out in this document are intended to facilitate secure interoperability of storage clients and servers as well as non-storage technologies that may have similar interoperability needs.
Single copy price: $127.00
Obtain an electronic copy from: http://webstore.ansi.org
Order from: http://webstore.ansi.org
Send comments (copy psa@ansi.org) to: incits@itic.org

Comment Deadline: November 18, 2025

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

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

National Adoption

INCITS/ISO/IEC 10373-6:2025 [202x], Cards and security devices for personal identification - Test methods - Part 6: Contactless proximity objects (identical national adoption of ISO/IEC 10373-6:2025 and revision of INCITS/ISO/IEC 10373-6:2020 [2021], INCITS/ISO/IEC 10373-6:2020/AM1:2021 [2021], INCITS/ISO/IEC 10373-6:2020/AM2:2020 [2021])
Defines test methods which are specific to proximity cards and objects, proximity coupling devices and proximity extended devices, defined in ISO/IEC 14443-1, ISO/IEC 14443-2, ISO/IEC 14443-3, and ISO/IEC 14443-4.
Single copy price: $287.00
Obtain an electronic copy from: http://webstore.ansi.org
Order from: http://webstore.ansi.org
Send comments (copy psa@ansi.org) to: incits@itic.org

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

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

National Adoption

INCITS/ISO/IEC 11179-34:2024 [202x], Information technology - Metadata registries (MDR) - Part 34: Metamodel for computable data registration (identical national adoption of ISO/IEC 11179-34:2024)
Provides a specification for an extension to a metadata registry (MDR), as specified in ISO/IEC 11179-3, in which metadata that describe computable data can be registered. The specification in this document, together with the relevant clauses of the specification in ISO/IEC 11179-3, provides the ability to record metadata about computable data.
Single copy price: $230.00
Obtain an electronic copy from: http://webstore.ansi.org
Order from: http://webstore.ansi.org
Send comments (copy psa@ansi.org) to: incits@itic.org

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

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

National Adoption

INCITS/ISO/IEC 17839-2:2024 [202x], Information technology - Biometric System-on-Card - Part 2: Physical characteristics (identical national adoption of ISO/IEC 17839-2:2024 and revision of INCITS/ISO/IEC 17839 -2:2024 [202x])
Defines dimensions of a type ID-1 Biometric System-on-Card (BSoC) and type ID-T BSoC; position and capture area of the biometric capture device according to the needs of the biometric modality; minimum requirements to a BSoC with respect to: mechanical durability; and human-machine interface and ergonomics. This document is not applicable to other on-card devices such as an electronic display or a keypad.
Single copy price: $127.00
Obtain an electronic copy from: http://webstore.ansi.org
Order from: http://webstore.ansi.org
Send comments (copy psa@ansi.org) to: incits@itic.org

Comment Deadline: November 18, 2025

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

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

National Adoption

INCITS/ISO/IEC 18014-1:2008/AM1:2025 [202x], Information technology - Security techniques - Time-stamping services - Part 1: Framework - Amendment 1 (identical national adoption of ISO/IEC 18014-1:2008/AM1:2025)
Amendment 1 to ISO/IEC 18014-1:2008.
Single copy price: $23.00
Obtain an electronic copy from: http://webstore.ansi.org
Order from: http://webstore.ansi.org
Send comments (copy psa@ansi.org) to: incits@itic.org

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

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

National Adoption

INCITS/ISO/IEC 18584-1:2025 [202x], Information technology - Test methods for on-card biometric comparison applications - Part 1: General principles and specifications (identical national adoption of ISO/IEC 18584-1:2025)
Document establishes conformance testing for the requirements described in ISO/IEC 24787-1, which are: framework for on-card biometric comparison, both in sensor-off-card systems and as part of Biometric System-on-Card; security policies for on-card biometric comparison. Measuring the performance of on-card biometric comparison algorithms such as error rates or speed is not within the scope of this document.
Single copy price: $172.00
Obtain an electronic copy from: http://webstore.ansi.org
Order from: http://webstore.ansi.org
Send comments (copy psa@ansi.org) to: incits@itic.org

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

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

National Adoption

INCITS/ISO/IEC 19075-10:2024 [202x], Information technology - Guidance for the use of database language SQL - Part 10: SQL model (Guide/Model) (identical national adoption of ISO/IEC 19075-10:2024)
Describes the model of database language SQL as defined in ISO/IEC 9075-1, ISO/IEC 9075-2, and ISO/IEC 9075-11. The meanings of and the relationships between various concepts of that model are described in text and illustrated graphically. Background in the form of some historical review and a brief overview of key SQL features is included.
Single copy price: $259.00
Obtain an electronic copy from: http://webstore.ansi.org
Order from: http://webstore.ansi.org
Send comments (copy psa@ansi.org) to: incits@itic.org

Comment Deadline: November 18, 2025

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

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

National Adoption

INCITS/ISO/IEC 19763-6:2015 [202x], Information technology - Metamodel framework for interoperability (MFI) - Part 6: Registry Summary (identical national adoption of ISO/IEC 19763-6:2015)
The ISO/IEC 19763 family of standards defines normative metamodels for the registration of models (including information models and process models), ontologies, services and roles & goals. Currently, a lot of metadata registries or model registries were constructed and utilized in many different business domains, such as e-business, healthcare, automobile, electronics devices, and civil construction.
Single copy price: $172.00
Obtain an electronic copy from: http://webstore.ansi.org
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ITI (INCITS) (InterNational Committee for Information Technology Standards)

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

National Adoption

INCITS/ISO/IEC 19763-3:2020/AM1:2024 [202x], Information technology - Metamodel framework for interoperability (MFI) - Part 3: Metamodel for ontology registration - Amendment 1: Alignment with Edition 4 of ISO/IEC 11179-3 (identical national adoption of ISO/IEC 19763-3:2020/AM1:2024)
Amendment 1 to ISO/IEC 19763-3:2020.
Single copy price: $23.00
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National Adoption

INCITS/ISO/IEC 19763-6:2015/AM1:2024 [202x], Information technology - Metamodel framework for interoperability (MFI) - Part 6: Registry Summary - Amendment 1: Alignment with Edition 4 of ISO/IEC 11179-3 (identical national adoption of ISO/IEC 19763-6:2015/AM1:2024)
Amendment 1 to ISO/IEC 19763-6:2015.
Single copy price: $23.00
Obtain an electronic copy from: http://webstore.ansi.org
Order from: http://webstore.ansi.org
Send comments (copy psa@ansi.org) to: incits@itic.org

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National Adoption

INCITS/ISO/IEC 19794-14:2022/AM1:2025 [202x], Information technology - Biometric data interchange formats - Part 14: DNA data - Amendment 1: Conformance requirements (identical national adoption of ISO/IEC 19794-14:2022/AM1:2025)
Amendment 1 to ISO/IEC 19794-14:2022.
Single copy price: $23.00
Obtain an electronic copy from: http://webstore.ansi.org
Order from: http://webstore.ansi.org
Send comments (copy psa@ansi.org) to: incits@itic.org

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National Adoption

INCITS/ISO/IEC 20008-3:2024 [202x], Information security - Anonymous digital signatures - Part 3: Mechanisms using multiple public keys (identical national adoption of ISO/IEC 20008-3:2024)
Specifies anonymous digital signature mechanisms in which a verifier uses multiple public keys to verify a digital signature. This document provides: a general description of an anonymous digital signature mechanism using multiple public keys; a variety of mechanisms that provide such anonymous digital signatures.
Single copy price: $172.00
Obtain an electronic copy from: http://webstore.ansi.org
Order from: http://webstore.ansi.org
Send comments (copy psa@ansi.org) to: incits@itic.org

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

National Adoption

INCITS/ISO/IEC 22592-1:2024 [202x], Office equipment - Print quality measurement methods for colour prints - Part 1: Image quality measurement methods (identical national adoption of ISO/IEC 22592-1:2024)
Specifies test methods as well as test charts to measure the image quality attributes and those variations in colour prints typically used in office environment. Included are digital colour prints formed by using a multifunction or single function printer. Printers supporting a maximum paper size of A4 or larger are suitable for the measurements using the test charts defined in this document.
Single copy price: $172.00
Obtain an electronic copy from: http://webstore.ansi.org/
Order from: http://webstore.ansi.org
Send comments (copy psa@ansi.org) to: incits@itic.org

Comment Deadline: November 18, 2025

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National Adoption

INCITS/ISO/IEC 22592-2:2024 [202x], Office equipment - Print quality measurement methods for colour prints - Part 2: Registration and magnification accuracy (identical national adoption of ISO/IEC 22592-2:2024)
Specifies test methods as well as test charts to measure the geometric property attributes and those variations in duplex colour prints typically used in office environment. This document is applicable to duplex prints comprising several sheets which are printed colour images on both surfaces of a substrate.
Single copy price: $201.00
Obtain an electronic copy from: http://webstore.ansi.org
Order from: http://webstore.ansi.org
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National Adoption

INCITS/ISO/IEC 22592-3:2025 [202x], Office equipment - Print quality measurement methods for colour prints - Part 3: Physical durability measurement methods (identical national adoption of ISO/IEC 22592-3:2025)
Specifies test methods as well as test charts for measuring the physical durability attributes of duplex colour prints, typically used in office environment. This document is applicable to duplex prints comprising several sheets with colour images printed on both sides of a substrate. A multifunction or single function printer is used to form the duplex prints.
Single copy price: $127.00
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National Adoption

INCITS/ISO/IEC 23264-2:2024 [202x], Information security - Redaction of authentic data - Part 2: Redactable signature schemes based on asymmetric mechanisms (identical national adoption of ISO/IEC 23264-2:2024)
Specifies cryptographic mechanisms to redact authentic data. The mechanisms described in this document offer different combinations of the security properties defined and described in ISO/IEC 23264-1. For all mechanisms, this document describes the processes for key generation, generating the redactable attestation, carrying out redactions and verifying redactable attestations.
Single copy price: $259.00
Obtain an electronic copy from: http://webstore.ansi.org
Order from: http://webstore.ansi.org
Send comments (copy psa@ansi.org) to: incits@itic.org

Comment Deadline: November 18, 2025

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National Adoption

INCITS/ISO/IEC 27035-4:2024 [202x], Information technology - Information security incident management - Part 4: Coordination (identical national adoption of ISO/IEC 27035-4:2024)
Provides guidelines for multiple organizations handling information security incidents in a coordinated manner. It also addresses the impacts of external cooperation on the internal incident management of an individual organization and provides guidelines for an individual organization to adapt to the coordination process. Furthermore, it provides guidelines for the coordination team, if it exists, to perform coordination activities supporting the cross-organization incident response.
Single copy price: $172.00
Obtain an electronic copy from: http://webstore.ansi.org
Order from: http://webstore.ansi.org
Send comments (copy psa@ansi.org) to: incits@itic.org

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National Adoption

INCITS/ISO/IEC 29794-5:2025 [202x], Information technology - Biometric sample quality - Part 5: Face image data (identical national adoption of ISO/IEC 29794-5:2025)
Establishes requirements on implementations that quantify how a face image's properties conform with those of canonical face images, for example those specified in ISO/IEC 39794-5:2019, Clause D.1, for three use-cases: (1) collection of reference samples for ID documents; (2) sample system enrolment; and (3) probes for instantaneous response. This document also establishes terms and definitions for quantifying face image quality and specifies methods for quantifying the quality of face images.
Single copy price: $259.00
Obtain an electronic copy from: http://webstore.ansi.org
Order from: http://webstore.ansi.org
Send comments (copy psa@ansi.org) to: incits@itic.org

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National Adoption

INCITS/ISO/IEC 30137-1:2024 [202x], Information technology - Use of biometrics in video surveillance systems - Part 1: System design and specification (identical national adoption of ISO/IEC 30137-1:2024 and revision of INCITS/ISO/IEC 30137-1:2019 [2021])
Defines the key terms for use in the specification of biometric technologies in a VSS, including metrics for defining performance; provides guidance on the selection of camera types, placement of cameras, image specification, etc., for the operation of a biometric recognition capability in conjunction with a VSS; provides guidance on the composition of the gallery (or watchlist) against which facial images from the VSS are compared, including the selection of appropriate images of sufficient quality, and the size of the gallery in relation to performance requirements.
Single copy price: $230.00
Obtain an electronic copy from: http://webstore.ansi.org
Order from: http://webstore.ansi.org
Send comments (copy psa@ansi.org) to: incits@itic.org

Comment Deadline: November 18, 2025

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

National Adoption

INCITS/ISO/IEC 5152:2024 [202x], Information technology - Biometric performance estimation methodologies using statistical models (identical national adoption of ISO/IEC 5152:2024)
Provides statistical methodologies to estimate false match rates (FMRs) from small biometric sample sets. This document intends to: lay out a methodology for biometric performance estimation based on extrapolation using extreme value statistical models; provide statistical methodologies to estimate FMRs of biometric verification systems; be applicable to systems that include algorithms that produce likelihood dissimilarity or similarity scores; specify the methodology for data recording and result reporting; introduce metrics for the estimated biometric performance.
Single copy price: $172.00
Obtain an electronic copy from: http://webstore.ansi.org
Order from: http://webstore.ansi.org
Send comments (copy psa@ansi.org) to: incits@itic.org

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

National Adoption

INCITS/ISO/IEC 7184:2024 [202x], Office equipment - Security requirements for hard copy devices (HCDs) - Part 1: Definition of the basic requirements (identical national adoption of ISO/IEC 7184:2024)
Defines basic security requirements for the protection of hard copy devices (HCDs) including identification and authentication, security management, software update, field-replaceable nonvolatile storage data protection, network data protection and public switched telephone network (PSTN) fax-network separation.
Single copy price: $84.00
Obtain an electronic copy from: http://webstore.ansi.org
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Send comments (copy psa@ansi.org) to: incits@itic.org

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National Adoption

INCITS/ISO/IEC 17823:2024 [202x], Information technology - Office equipment - Vocabulary for office colour equipment (identical national adoption of ISO/IEC 17823:2024 and revision of INCITS/ISO/IEC 17823:2015 [R2022])
Document provides definitions for colour terms used with office equipment, in particular for use with colour scanning and printing devices that have digital imaging capabilities, including multi-function devices. This document is not intended to replace terms and definitions published in documents or user interfaces issued or created by manufacturers.
Single copy price: $127.00
Obtain an electronic copy from: http://webstore.ansi.org
Order from: http://webstore.ansi.org
Send comments (copy psa@ansi.org) to: incits@itic.org

Comment Deadline: November 18, 2025

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

National Adoption

INCITS/ISO/IEC 18031:2025 [202x], Information technology - Security techniques - Random bit generation (identical national adoption of ISO/IEC 18031:2025 and revision of INCITS/ISO/IEC 18031:2011 [R2022], INCITS/ISO/IEC 18031:2011/AM1:2017 [R2024], INCITS/ISO/IEC 18031:2011/COR1:2014 [R2023])
Specifies a conceptual model for a random bit generator for cryptographic purposes, together with the elements of this model. This document specifies the characteristics of the main elements required for both non-deterministic and deterministic random bit generators. It also establishes the security requirements for both non-deterministic and deterministic random-bit generators.
Single copy price: $287.00
Obtain an electronic copy from: http://webstore.ansi.org
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700 K Street NW, Suite 600, Washington, DC 20001 | INCITS-comments@connectedcommunity.org, www.incits.org

National Adoption

INCITS/ISO/IEC 24741:2024 [202x], Information technology - Biometrics - Overview and application (identical national adoption of ISO/IEC 24741:2024)
Describes the history and purpose of biometrics, the various biometric technologies in general use today (for example, fingerprint recognition, face recognition and iris recognition) and the architecture of the systems and the system processes that allow automated recognition using those technologies. It provides information on the application of biometrics in various business domains, such as border management, law enforcement and driver licencing.
Single copy price: $230.00
Obtain an electronic copy from: http://webstore.ansi.org/
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National Adoption

INCITS/ISO/IEC 27011:2024 [202x], Information security, cybersecurity and privacy protection - Information security controls based on ISO/IEC 27002 for telecommunications organizations (identical national adoption of ISO/IEC 27011:2024 and revision of INCITS/ISO/IEC 27011:2016 [R2024], INCITS/ISO/IEC 27011:2016/COR 1:2018 [R2024])
Provides guidelines supporting the implementation of information security controls in telecommunications organizations. The adoption of this document will allow telecommunications organizations to meet baseline information security management requirements of confidentiality, integrity, availability, and any other relevant information security property.
Single copy price: $201.00
Obtain an electronic copy from: http://webstore.ansi.org
Order from: http://webstore.ansi.org
Send comments (copy psa@ansi.org) to: incits@itic.org

Comment Deadline: November 18, 2025

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

National Adoption

INCITS/ISO/IEC 27562:2024 [202x], Information technology - Security techniques - Privacy guidelines for fintech services (identical national adoption of ISO/IEC 27562:2024)
Provides guidelines on privacy for fintech services. It identifies all relevant business models and roles in consumer-to-business relations and business-to-business relations, as well as privacy risks and privacy requirements, which are related to fintech services. It provides specific privacy controls for fintech services to address privacy risks.
Single copy price: $201.00
Obtain an electronic copy from: http://webstore.ansi.org
Order from: http://webstore.ansi.org
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700 K Street NW, Suite 600, Washington, DC 20001 | INCITS-comments@connectedcommunity.org, www.incits.org

National Adoption

INCITS/ISO/IEC 29184:2020 [202x], Information technology - Online privacy notices and consent (identical national adoption of ISO/IEC 29184:2020)
Document specifies controls which shape the content and the structure of online privacy notices as well as the process of asking for consent to collect and process personally identifiable information (PII) from PII principals. This document is applicable in any online context where a PII controller or any other entity processing PII informs PII principals of processing.
Single copy price: $172.00
Obtain an electronic copy from: http://webstore.ansi.org
Order from: http://webstore.ansi.org
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700 K Street NW, Suite 600, Washington, DC 20001 | INCITS-comments@connectedcommunity.org, www.incits.org

National Adoption

INCITS/ISO/IEC 39075:2024 [202x], Information technology - Database languages - GQL (identical national adoption of ISO/IEC 39075:2024)
Defines data structures and basic operations on property graphs. It provides capabilities for creating, accessing, querying, maintaining, and controlling property graphs and the data they comprise. This document specifies the syntax and semantics of a data management language for specifying and modifying the structure of property graphs and collections thereof.
Single copy price: $287.00
Obtain an electronic copy from: http://webstore.ansi.org
Order from: http://webstore.ansi.org
Send comments (copy psa@ansi.org) to: incits@itic.org

Comment Deadline: November 18, 2025

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

National Adoption

INCITS/ISO/IEC 27013:2021/AM1:2024 [202x], Information security, cybersecurity and privacy protection - Guidance on the integrated implementation of ISO/IEC 27001 and ISO/IEC 20000-1 - Amendment 1 (identical national adoption of ISO/IEC 27013:2021/AM1:2024)
Amendment 1 to ISO/IEC 27013:2021.
Single copy price: $23.00
Obtain an electronic copy from: http://webstore.ansi.org
Order from: http://webstore.ansi.org
Send comments (copy psa@ansi.org) to: incits@itic.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:

CTA (Consumer Technology Association)

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

BSR/CTA 6012-202x, Audio, video, and related equipment - Determination of power consumption - Part 5: Set-top-boxes (STB) (identical national adoption of IEC 62087-5:2015)
Send comments (copy psa@ansi.org) to: Aaron Chalmers <achalmers@cta.tech>

CTA (Consumer Technology Association)

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

BSR/CTA 6014-202x, Audio, video, and related equipment - Methods of measurement for power consumption - Part 7: Computer monitors (identical national adoption of IEC 62087-7:2018)
Send comments (copy psa@ansi.org) to: Aaron Chalmers <achalmers@cta.tech>

CTA (Consumer Technology Association)

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

BSR/CTA 6016-202x, Cable networks for television signals, sound signals and interactive services - Part 101-2: Performance requirements for signals delivered at the system outlet in operation with all-digital channels load (identical national adoption of IEC-60728-101-2:2023)
Send comments (copy psa@ansi.org) to: Aaron Chalmers <achalmers@cta.tech>

CTA (Consumer Technology Association)

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

BSR/CTA 6017-202x, Cable networks for television signals, sound signals and interactive services - Part 101-1: RF cabling for two-way home networks with all-digital channels load (identical national adoption of IEC-60728 -101-1:2023)
Send comments (copy psa@ansi.org) to: Aaron Chalmers <achalmers@cta.tech>

Project Withdrawn

CTA (Consumer Technology Association)

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

BSR/CTA 6018-202x, Cable networks for television signals, sound signals and interactive services - Part 113: Optical systems for broadcast signal transmissions loaded with digital channels only (identical national adoption of IEC-60728-113:2023)
Send comments (copy psa@ansi.org) to: Aaron Chalmers <achalmers@cta.tech>

CTA (Consumer Technology Association)

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

BSR/CTA 6019-202x, Cable networks for television signals, sound signals and interactive services - Part 106: Optical equipment for systems loaded with digital channels only (identical national adoption of IEC 60728 -106:2023)
Send comments (copy psa@ansi.org) to: Aaron Chalmers <achalmers@cta.tech>

NENA (National Emergency Number Association)

1700 Diagonal Road Suite 500, Suite 500, Alexandria, VA 22314 | crm@nena.org, www.nena.org

BSR/NENA STA-024.1.2-202x, NENA Standard for the Conveyance of Emergency Incident Data Objects (EIDOs) between Next Generation (NG9-1-1) Systems and Applications (revision of ANSI/NENA STA-024.1.1-2025)
Send comments (copy psa@ansi.org) to: Sandy Dyre <crm@nena.org>

Final Actions on American National Standards

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

AAFS (American Academy of Forensic Sciences)

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

ANSI/ASB Std 105 e2-2025, Minimum Education Requirements for Firearm and Toolmark Examiner Trainees (revision of ANSI/ASB Std 105-2021) Final Action Date: 9/15/2025 | *Revision*

ABMA (ASC B3) (American Bearing Manufacturers Association)

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

ANSI/ABMA 4-2025, Tolerance Definition and Gauging Practices for Ball and Roller Bearings (revision of ANSI/ABMA 4 -1994 (S2023)) Final Action Date: 9/9/2025 | *Revision*

ANSI/ABMA 20-2025, Radial Bearings of Ball, Cylindrical Roller and Spherical Roller Types - Metric Design (revision of ANSI/ABMA 20-2011 (R2020)) Final Action Date: 9/9/2025 | *Revision*

AGMA (American Gear Manufacturers Association)

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

ANSI/AGMA 6014-B15 (R2025), Gear Power Rating for Cylindrical Shell and Trunnion Supported Equipment (reaffirmation of ANSI/AGMA 6014-B15 (R2020)) Final Action Date: 9/10/2025 | *Reaffirmation*

ANSI/AGMA 6114-B15 (R2025), Gear Power Rating for Cylindrical Shell and Trunnion Supported Equipment (Metric Edition) (reaffirmation of ANSI/AGMA 6114-B15 (R2020)) Final Action Date: 9/10/2025 | *Reaffirmation*

AHRI (Air-Conditioning, Heating, and Refrigeration Institute)

2311 Wilson Boulevard, Suite 400, Arlington, VA 22201 | jyeh2@ahrinet.org, www.ahrinet.org

ANSI/AHRI Standard 1250-2025 (I-P), Performance Rating of Walk-in Coolers and Freezers (revision of ANSI/AHRI Standard 1250 (I-P)-2014) Final Action Date: 9/15/2025 | *Revision*

ANSI/AHRI Standard 1251-2025 (SI), Performance Rating of Walk-in Coolers and Freezers (revision of ANSI/AHRI Standard 1251 (SI)-2014) Final Action Date: 9/15/2025 | *Revision*

ANS (American Nuclear Society)

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

ANSI/ANS 8.27-2015 (R2025), Burnup Credit for LWR Fuel (reaffirmation of ANSI/ANS 8.27-2015 (R2020)) Final Action Date: 9/15/2025 | *Reaffirmation*

ASABE (American Society of Agricultural and Biological Engineers)

2590 Niles Road, Saint Joseph, MI 49085 | stell@asabe.org, https://www.asabe.org/

ANSI/ASABE/ISO 500-3:2014-SEP2025, Agricultural tractors - Rear-mounted power take-off types 1, 2, 3 and 4 - Part 3: Main PTO dimensions and spline dimensions, location of PTO (identical national adoption of ISO 500-3:2014 and revision of ANSI/ASABE/ISO 500-3-2014 MAR2015 (R2024)) Final Action Date: 9/9/2025 | *National Adoption*

ANSI/ASABE S642.1 SEP2025 (R2025), Recommended Methods for Measurement and Testing of Electromagnetic Radiation Sources for Plant Growth and Development (reaffirmation and redesignation of ANSI/ASABE S642-SEPT2018 (R2024)) Final Action Date: 9/9/2025 | *Reaffirmation*

AWWA (American Water Works Association)

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

ANSI/AWWA C203-2025, Coal-Tar Protective Coatings and Linings for Steel Water Pipe and Fittings (revision of ANSI/AWWA C203-2020) Final Action Date: 9/10/2025 | *Revision*

CSA (CSA America Standards Inc.)

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

ANSI/CSA FC 622822-2-100/CSA C22.2 No. 62282-2-100-2025, Fuel Cell Technologies - Part 2-100: Fuel cell stacks and fuel cell modules - Safety (national adoption of IEC 62282-2-100 with modifications and revision of CSA/ANSI FC 6 -2019) Final Action Date: 9/9/2025 | *National Adoption*

ANSI Z21.75/CSA 6.27 (R2025), Connectors for Outdoor Gas Appliances and Manufactured Homes (same as CSA 6.27) (reaffirmation of ANSI Z21.75-2016 (R2020)) Final Action Date: 9/9/2025 | *Reaffirmation*

DirectTrust™ (DirectTrust.org, Inc.)

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

ANSI/DS2019-01-400-2025, Implementation Guide for Delivery Notification for Direct Secure Messaging (new standard) Final Action Date: 9/11/2025 | *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 Series 9000-2015 (R2025), Firestop Systems and Smoke-Limiting Materials for Piping Systems (reaffirmation of ANSI/ASSE Series 9000-2015 (R2020)) Final Action Date: 9/9/2025 | *Reaffirmation*

IEEE (Institute of Electrical and Electronics Engineers)

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

ANSI/IEEE 1937.7-2025, Standard for the Unmanned Aerial Vehicle (UAV) Polarimetric Remote Sensing Method for Earth Observation Applications (new standard) Final Action Date: 9/10/2025 | *New Standard*

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

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

INCITS/ISO/IEC 42005:2025 [2025], Information technology - Artificial intelligence - AI system impact assessment (identical national adoption of ISO/IEC 42005:2025) Final Action Date: 9/10/2025 | *National Adoption*

MSS (Manufacturers Standardization Society)

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

ANSI/MSS SP-58-2025, Pipe Hangers and Supports - Materials, Design, Manufacture, Selection, Application, and Installation (revision of ANSI/MSS SP-58-2018) Final Action Date: 9/9/2025 | *Revision*

NEMA (ASC C8) (National Electrical Manufacturers Association)

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

ANSI ICEA T-32-645-2025, Test Method for Establishing Volume Resistivity Compatibility of Water Blocking Components with Extruded Semiconducting Shield Materials (revision of ANSI/ICEA T-32-645-2017 (R2023)) Final Action Date: 9/11/2025 | *Revision*

NEMA (ASC C82) (National Electrical Manufacturers Association)

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

ANSI C82.16-2025, Light Emitting Diode Drivers - Methods of Measurement (revision of ANSI C82.16-2023) Final Action Date: 9/15/2025 | *Revision*

NSF (NSF International)

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

ANSI/NSF 25-2025 (i25r1), Vending Machines for Food and Beverages (revision of ANSI/NSF 25-2023) Final Action Date: 9/4/2025 | *Revision*

TIA (Telecommunications Industry Association)

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

ANSI/TIA 455-16-B-2025, FOTP-16 Salt Spray (Corrosion) Test for Fiber Optic Components (revision and redesignation of ANSI/TIA 455-16-A-2000 (R2024)) Final Action Date: 9/9/2025 | *Revision*

ULSE (UL Standards and Engagement)

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

ANSI/UL 213C-2015 (R2025), Standard for Grooved and Plain End Fittings (reaffirmation of ANSI/UL 213C-2015 (R2020)) Final Action Date: 9/12/2025 | *Reaffirmation*

ANSI/UL 61496-1-2021 (R2025), Standards for Safety for Electro-Sensitive Protective Equipment, Part 1: General Requirements and Tests (reaffirm a national adoption ANSI/UL 61496-1-2021) Final Action Date: 7/16/2025 | *Reaffirmation*

ANSI/UL 61496-2-2021 (R2025), Standard for Electro-Sensitive Protective Equipment, Part 2: Particular Requirements for Equipment Using Active Opto-Electronic Protective Devices (AOPDs) (reaffirm a national adoption ANSI/UL 61496-2 -2021) Final Action Date: 7/16/2025 | *Reaffirmation*

ANSI/UL 62091-2020 (R2025), Standard for Safety for Low-Voltage Switchgear and Controlgear - Controllers for Drivers of Stationary Fire Pumps (reaffirm a national adoption ANSI/UL 62091-2020) Final Action Date: 7/31/2025 | *Reaffirmation*

ANSI/UL 80079-36-2021 (R2025), Standard for Safety for Explosive Atmospheres - Part 36: Non-Electrical Equipment for Explosive Atmospheres - Basic Method and Requirements (reaffirm a national adoption ANSI/UL 80079-36-2021) Final Action Date: 9/10/2025 | *Reaffirmation*

ANSI/UL 80079-37-2021 (R2025), Standard for Safety for Explosive Atmospheres - Part 37: Non-Electrical Equipment for Explosive Atmospheres - Non-Electrical Type of Protection Constructional Safety c, Control of Ignition Source b, Liquid Immersion k (reaffirm a national adoption ANSI/UL 80079-37-2021) Final Action Date: 9/10/2025 | *Reaffirmation*

ANSI/CAN/UL 325-2025, Standard for Door, Drapery, Gate, Louver, and Window Operators and Systems (revision of ANSI/UL 325-2023) Final Action Date: 9/15/2025 | *Revision*

ANSI/UL 414-2025, Standard for Meter Sockets (revision of ANSI/UL 414-2024) Final Action Date: 9/9/2025 | *Revision*

ANSI/UL 651A-2025, Standard for Safety for Schedule 40 and 80 High Density Polyethylene (HDPE) Conduit (revision of ANSI/UL 651A-2024) Final Action Date: 9/8/2025 | *Revision*

ANSI/UL 676-2025, Standard for Safety for Underwater Luminaires and Submersible Junction Boxes (revision of ANSI/UL 676-2024) Final Action Date: 9/11/2025 | *Revision*

ULSE (UL Standards and Engagement)

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

ANSI/UL 857-2025, Standard for Busways (revision of ANSI/UL 857-2021) Final Action Date: 9/10/2025 | *Revision*

ANSI/UL 1323-2025, Standard for Scaffold Hoists (revision of ANSI/UL 1323-2023) Final Action Date: 9/10/2025 | *Revision*

ANSI/UL 3100-2025, Standard for Safety for Automated Mobile Platforms (AMPs) (revision of ANSI/UL 3100-2024) Final Action Date: 9/15/2025 | *Revision*

USEMCSC (United States EMC Standards Corp.)

445 Hoes Lane, Piscataway, NJ 08854 | j.santulli@ieee.org

ANSI C63.26-2015 (R2025), American National Draft Standard for Compliance Testing of Transmitters Used in Licensed Radio Services (reaffirmation and redesignation of ANSI C63.26-2015) Final Action Date: 9/9/2025 | *Reaffirmation*

VITA (VMEbus International Trade Association (VITA))

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

ANSI/VITA 93.0-2025, QMC - Small Form Factor Mezzanine Draft Standard (new standard) Final Action Date: 9/15/2025 | *New Standard*

ANSI/VITA 17.3-2018 (R2025), Serial Front Panel Data Port (sFPDP) Gen 3.0 (reaffirmation of ANSI/VITA 17.3-2018) Final Action Date: 9/15/2025 | *Reaffirmation*

Call for Members (ANS Consensus Bodies)

Directly and materially interested parties who wish to participate as a member of an ANS consensus body for the standards listed are requested to contact the sponsoring developer directly in a timely manner.

ANSI Accredited Standards Developer

INCITS Executive Board – ANSI Accredited SDO and US TAG to ISO/IEC JTC 1, Information Technology

The InterNational Committee for Information Technology Standards (INCITS), an ANSI accredited SDO, is the forum of choice for information technology developers, producers and users for the creation and maintenance of formal de jure IT standards. INCITS' mission is to promote the effective use of Information and Communication Technology through standardization in a way that balances the interests of all stakeholders and increases the global competitiveness of the member organizations.

The INCITS Executive Board serves as the consensus body with oversight of its 40+ Technical Committees. Additionally, the INCITS Executive Board has the international leadership role as the US Technical Advisory Group (TAG) to ISO/IEC JTC 1, Information Technology.

Membership in the INCITS Executive Board is open to all directly and materially interested parties in accordance with INCITS membership rules. To find out more about participating on the INCITS Executive Board, contact Jennifer Garner at jgarner@itic.org or visit http://www.incits.org/participation/membership-info for more information.
Membership in all interest categories is always welcome; however, the INCITS Executive Board seeks to broaden its membership base in the following underrepresented categories:

- Producer-Software
- Producer-Hardware
- Distributor
- Service Provider
- Users
- Consultants
- Government
- SDO and Consortia Groups
- Academia
- General Interest

ANSI Accredited Standards Developer

SCTE (Society of Cable Telecommunications Engineers)

SCTE, an ANSI-accredited SDO, is the primary organization for the creation and maintenance of standards for the cable telecommunications industry. SCTE's standards mission is to develop standards that meet the needs of cable system operators, content providers, network and customer premises equipment manufacturers, and all others who have an interest in the industry through a fair, balanced and transparent process.
SCTE is currently seeking to broaden the membership base of its ANS consensus bodies and is interested in new members in all membership categories to participate in new work in fiber-optic networks, advanced advertising, 3D television, and other important topics. Of particular interest is membership from the content (program and advertising) provider and user communities.
Membership in the SCTE Standards Program is open to all directly and materially affected parties as defined in SCTE's membership rules and operating procedures.
More information is available at www.scte.org or by e-mail from standards@scte.org.

AAMI (Association for the Advancement of Medical Instrumentation)

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

BSR/AAMI/IEC 60601-2-16-202X, Medical electrical equipment - Part 2-16: Particular requirements for basic safety and essential performance of haemodialysis, haemodiafiltration, and haemofiltration equipment (identical national adoption of IEC 60601-2-39:2025 and revision of ANSI/AAMI/IEC 60601-2-16-2018)

AAMI (Association for the Advancement of Medical Instrumentation)

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

BSR/AAMI/IEC 60601-2-39-202X, Medical Electrical Equipment - Part 2-39: Particular requirements for basic safety and essential performance of peritoneal dialysis equipment (identical national adoption of IEC60601239:2025 and revision of ANSI/AAMI/IEC 60601-2-39-2018)

AAMI (Association for the Advancement of Medical Instrumentation)

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

BSR/AAMI/ISO 5840-1-2021/Amd 1-202X, Cardiovascular implants - Cardiac valve prostheses - Part 1: General requirements - Amendment 1 (identical national adoption of ISO 5840-1:2021/Amd 1:2025)
Interest Categories: AAMI CV committee is seeking user, regulatory, and general interest members to participate in the U.S. adoption of ISO 5840-1,-2,-3:2021/Amd 1:2025 Cardiovascular implants—Cardiac valve prostheses.
Please contact Jzajac@aami.org

AAMI (Association for the Advancement of Medical Instrumentation)

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

BSR/AAMI/ISO 5840-2-2021/Amd 1-202X, Cardiovascular implants - Cardiac valve prostheses - Part 2: Surgically implanted heart valve substitutes - Amendment 1 (identical national adoption of ISO 5840-2:2021/Amd 1:202x)

AAMI (Association for the Advancement of Medical Instrumentation)

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

BSR/AAMI/ISO 5840-3-2021/Amd 1-202X, Cardiovascular implants - Cardiac valve prostheses - Part 3: Heart valve substitutes implanted by transcatheter techniques - Amendment 1 (identical national adoption of ISO 5840 -3:2021/Amd 1:202x)

ARESCA (American Renewable Energy Standards and Certification Association)

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

BSR/ARESCA WE-10-1-202x, Wind energy generation systems - Power Performance Testing (PPT) for Wind Turbine Repowering Projects (new standard)

ARESCA (American Renewable Energy Standards and Certification Association)

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

BSR/ARESCA WE-10-2-202x, Wind energy generation systems - Numerical Site Calibration (NSC) for Complex Terrain Sites (new standard)

ASABE (American Society of Agricultural and Biological Engineers)

2590 Niles Road, Saint Joseph, MI 49085 | stell@asabe.org, https://www.asabe.org/

BSR/ASABE S664 MONYEAR-202x, Direct to Consumption Specialty Crop Equipment - Hygienic Design Requirements (new standard)

ESTA (Entertainment Services and Technology Association)

271 Cadman Plaza, P.O. Box 23200, Brooklyn, NY 11202-3200 | standards@esta.org, www.esta.org

BSR/ES1.4-202x, Event Fire Safety Requirements (revision of ANSI ES1.4-2021)
Interest Categories: The Event Safety Working Group seeks new voting participants in the following interest categories: Equipment providers; Event workers, Insurance companies; Performing artists. Interested parties contact standards@esta.org. for participation details.

ESTA (Entertainment Services and Technology Association)

271 Cadman Plaza, P.O. Box 23200, Brooklyn, NY 11202-3200 | standards@esta.org, www.esta.org

BSR/E1.73-7-202x, Effect Definitions Library for Uniform Device Representation (UDR) (new standard)
Interest Categories: The Control Protocols Working Group seeks new voting participants in the following interest categories: Custom market producers; Designers; Dealer or rental companies, and general interest. Interested parties contact standards@esta.org.

ESTA (Entertainment Services and Technology Association)

271 Cadman Plaza, P.O. Box 23200, Brooklyn, NY 11202-3200 | standards@esta.org, www.esta.org

BSR/E1.73-8-202x, Configuration Definitions Library for Uniform Device Representation (UDR) (new standard)
Interest Categories: The Control Protocols Working Group seeks new voting participants in the following interest categories: Custom market producers; Designers; Dealer or rental companies, and general interest. Interested parties contact standards@esta.org.

ESTA (Entertainment Services and Technology Association)

271 Cadman Plaza, P.O. Box 23200, Brooklyn, NY 11202-3200 | standards@esta.org, www.esta.org

BSR/E1.88-202x, Framework for Entertainment Network Cybersecurity & Efficiency (new standard)
Interest Categories: The Control Protocols Working Group seeks new voting participants in the following interest categories: Custom market producers; Designers; Dealer or rental companies, and general interest. Interested parties contact standards@esta.org. for participation details.

ESTA (Entertainment Services and Technology Association)

271 Cadman Plaza, P.O. Box 23200, Brooklyn, NY 11202-3200 | standards@esta.org, www.esta.org

BSR/E1.89-202x, Recommendations for measuring photometric data and classification of entertainment luminaires by photobiological hazard (new standard)
Interest Categories: The Photometrics Working Group seeks new voting participants in the following interest categories: Custom market producers; Designers; Dealer or rental companies, and general interest. Interested parties contact standards@esta.org. for participation details.

HI (Hydraulic Institute)

300 Interpace Parkway, Building A, 3rd Floor, #280, Parsippany, NJ 07054 | achatterjee@pumps.org, www.pumps.org

BSR/HI 14.5.1-202x, Rotodynamic Pumps for Foundation Design (new standard)

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

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

INCITS/IESO/IEC 20648:2024 [202x], Information technology - TLS specification for storage systems (identical national adoption of ISO/IEC 20648:2024)

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

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

INCITS/ISO/IEC 10373-6:2025 [202x], Cards and security devices for personal identification - Test methods - Part 6: Contactless proximity objects (identical national adoption of ISO/IEC 10373-6:2025 and revision of INCITS/ISO/IEC 10373-6:2020 [2021], INCITS/ISO/IEC 10373-6:2020/AM1:2021 [2021], INCITS/ISO/IEC 10373 -6:2020/AM2:2020 [2021])

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

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

INCITS/ISO/IEC 11179-34:2024 [202x], Information technology - Metadata registries (MDR) - Part 34: Metamodel for computable data registration (identical national adoption of ISO/IEC 11179-34:2024)

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

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

INCITS/ISO/IEC 17839-2:2024 [202x], Information technology - Biometric System-on-Card - Part 2: Physical characteristics (identical national adoption of ISO/IEC 17839-2:2024 and revision of INCITS/ISO/IEC 17839 -2:2024 [202x])

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

INCITS/ISO/IEC 18014-1:2008/AM1:2025 [202x], Information technology - Security techniques - Time-stamping services - Part 1: Framework - Amendment 1 (identical national adoption of ISO/IEC 18014-1:2008/AM1:2025)

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

INCITS/ISO/IEC 18584-1:2025 [202x], Information technology - Test methods for on-card biometric comparison applications - Part 1: General principles and specifications (identical national adoption of ISO/IEC 18584-1:2025)

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

INCITS/ISO/IEC 19075-10:2024 [202x], Information technology - Guidance for the use of database language SQL - Part 10: SQL model (Guide/Model) (identical national adoption of ISO/IEC 19075-10:2024)

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

INCITS/ISO/IEC 19763-6:2015 [202x], Information technology - Metamodel framework for interoperability (MFI) - Part 6: Registry Summary (identical national adoption of ISO/IEC 19763-6:2015)

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

INCITS/ISO/IEC 19763-3:2020/AM1:2024 [202x], Information technology - Metamodel framework for interoperability (MFI) - Part 3: Metamodel for ontology registration - Amendment 1: Alignment with Edition 4 of ISO/IEC 11179-3 (identical national adoption of ISO/IEC 19763-3:2020/AM1:2024)

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

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

INCITS/ISO/IEC 19763-6:2015/AM1:2024 [202x], Information technology - Metamodel framework for interoperability (MFI) - Part 6: Registry Summary - Amendment 1: Alignment with Edition 4 of ISO/IEC 11179-3 (identical national adoption of ISO/IEC 19763-6:2015/AM1:2024)

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

INCITS/ISO/IEC 19794-14:2022/AM1:2025 [202x], Information technology - Biometric data interchange formats - Part 14: DNA data - Amendment 1: Conformance requirements (identical national adoption of ISO/IEC 19794 -14:2022/AM1:2025)

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INCITS/ISO/IEC 20008-3:2024 [202x], Information security - Anonymous digital signatures - Part 3: Mechanisms using multiple public keys (identical national adoption of ISO/IEC 20008-3:2024)

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

INCITS/ISO/IEC 22592-1:2024 [202x], Office equipment - Print quality measurement methods for colour prints - Part 1: Image quality measurement methods (identical national adoption of ISO/IEC 22592-1:2024)

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

INCITS/ISO/IEC 22592-2:2024 [202x], Office equipment - Print quality measurement methods for colour prints - Part 2: Registration and magnification accuracy (identical national adoption of ISO/IEC 22592-2:2024)

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

INCITS/ISO/IEC 22592-3:2025 [202x], Office equipment - Print quality measurement methods for colour prints - Part 3: Physical durability measurement methods (identical national adoption of ISO/IEC 22592-3:2025)

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INCITS/ISO/IEC 23264-2:2024 [202x], Information security - Redaction of authentic data - Part 2: Redactable signature schemes based on asymmetric mechanisms (identical national adoption of ISO/IEC 23264-2:2024)

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

INCITS/ISO/IEC 27035-4:2024 [202x], Information technology - Information security incident management - Part 4: Coordination (identical national adoption of ISO/IEC 27035-4:2024)

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

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

INCITS/ISO/IEC 29794-5:2025 [202x], Information technology - Biometric sample quality - Part 5: Face image data (identical national adoption of ISO/IEC 29794-5:2025)

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

INCITS/ISO/IEC 30137-1:2024 [202x], Information technology - Use of biometrics in video surveillance systems - Part 1: System design and specification (identical national adoption of ISO/IEC 30137-1:2024 and revision of INCITS/ISO/IEC 30137-1:2019 [2021])

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

INCITS/ISO/IEC 5152:2024 [202x], Information technology - Biometric performance estimation methodologies using statistical models (identical national adoption of ISO/IEC 5152:2024)

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

INCITS/ISO/IEC 7184:2024 [202x], Office equipment - Security requirements for hard copy devices (HCDs) - Part 1: Definition of the basic requirements (identical national adoption of ISO/IEC 7184:2024)

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

INCITS/ISO/IEC 17823:2024 [202x], Information technology - Office equipment - Vocabulary for office colour equipment (identical national adoption of ISO/IEC 17823:2024 and revision of INCITS/ISO/IEC 17823:2015 [R2022])

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

INCITS/ISO/IEC 18031:2025 [202x], Information technology - Security techniques - Random bit generation (identical national adoption of ISO/IEC 18031:2025 and revision of INCITS/ISO/IEC 18031:2011 [R2022], INCITS/ISO/IEC 18031:2011/AM1:2017 [R2024], INCITS/ISO/IEC 18031:2011/COR1:2014 [R2023])

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

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

INCITS/ISO/IEC 24741:2024 [202x], Information technology - Biometrics - Overview and application (identical national adoption of ISO/IEC 24741:2024)

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

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

INCITS/ISO/IEC 27011:2024 [202x], Information security, cybersecurity and privacy protection - Information security controls based on ISO/IEC 27002 for telecommunications organizations (identical national adoption of ISO/IEC 27011:2024 and revision of INCITS/ISO/IEC 27011:2016 [R2024], INCITS/ISO/IEC 27011:2016/COR 1:2018 [R2024])

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

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

INCITS/ISO/IEC 27562:2024 [202x], Information technology - Security techniques - Privacy guidelines for fintech services (identical national adoption of ISO/IEC 27562:2024)

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

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

INCITS/ISO/IEC 29184:2020 [202x], Information technology - Online privacy notices and consent (identical national adoption of ISO/IEC 29184:2020)

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

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

INCITS/ISO/IEC 39075:2024 [202x], Information technology - Database languages - GQL (identical national adoption of ISO/IEC 39075:2024)

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

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

INCITS/ISO/IEC 27013:2021/AM1:2024 [202x], Information security, cybersecurity and privacy protection - Guidance on the integrated implementation of ISO/IEC 27001 and ISO/IEC 20000-1 - Amendment 1 (identical national adoption of ISO/IEC 27013:2021/AM1:2024)

NEMA (National Electrical Manufacturers Association)

1812 N Moore Street, Suite 2200, Arlington, VA 22209 | and_moldoveanu@nema.org, www.nema.org

BSR/SM 31000-9-202x, Electrical Submeter - Commissioning and Field Testing Standard (new standard)

NEMA (National Electrical Manufacturers Association)

1812 N Moore Street, Suite 2200, Arlington, VA 22209 | and_moldoveanu@nema.org, www.nema.org

BSR/SM 31000-7-2025-202x, Electrical Submeter - Current Sensor Accuracy (revision of ANSI/SM 31000-7-2021)

NENA (National Emergency Number Association)

1700 Diagonal Road, Suite 500, Alexandria, VA 22314 | crm@nena.org, www.nena.org

BSR/NENA STA-041.1.1-202x, NENA Telecommunicator Cardiopulmonary Resuscitation (T-CPR) Standard (revision and redesignation of ANSI/NENA STA-041.1-2022) Interest Categories: NENA seeks volunteers for the PSAP Operations Committee Telecommunicator CPR Working Group, supporting the revision of the NENA Telecommunicator Cardiopulmonary Resuscitation (T-CPR), NENA-STA 041.1.1-202Y, an American National

-Standard (ANS). The working group is seeking operational and technical subject matter experts such as PSAP and Dispatch Operations, Emergency Medical Response, Emergency Medical Dispatch Protocol Developers, EMS Medical Directors, Field Paramedicine Practitioners, and industry partners in 9-1-1 products and services. Members are needed in the User, Producer, and General Interest categories, as defined in Section 3 Document Development Process of the NENA Development Group Operational Procedures, NENA-ADM-001.6-2025, https://www.nena.org/page/standards. Join at: https://www.nena.org/page/JoinTelecommunicatorCPR

NIST/ITL (National Institute of Standards and Technology/Information Technology Laboratory)

100 Bureau Drive MS 8940, Gaithersburg, MD 20899-8900 | Jennifer.stathakis@nist.gov, www.nist.gov

BSR/NIST-ITL 1-202Xa, Data Format for the Interchange of Fingerprint, Face & Other Biometric Information - Addendum (addenda to ANSI/NIST-ITL 1-2011 Update:2015)

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105 | mmilla@nsf.org, www.nsf.org

BSR/NSF 58-202x (i98r1), Reverse Osmosis Drinking Water Treatment Systems (revision of ANSI/NSF 58-2024)

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105 | mmilla@nsf.org, www.nsf.org

BSR/NSF 330-202x (i13r1), Glossary of Drinking Water Treatment Unit Terminology (revision of ANSI/NSF 330 -2021)

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105 | cleone@nsf.org, www.nsf.org

BSR/NSF/CAN 61-202x (i199r2), Drinking Water System Components - Health Effects (revision of ANSI/NSF/CAN 61-2024)

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

2001 K Street, NW, 3rd Floor North, Washington, DC 20006 | technicalstandards@resna.org, www.resna.org

BSR/RESNA WC-1-202x, RESNA Standard for Wheelchairs - Volume 1: Requirements and Test Methods for Wheelchairs (including Scooters) (revision of ANSI/RESNA WC-1-2019)

SDI (ASC A250) (Steel Door Institute)

30200 Detroit Road, Westlake, OH 44145 | leh@wherryassoc.com, www.wherryassocsteeldoor.org

BSR A250.4-202x, Test Procedure and Acceptance Criteria for Physical Endurance for Steel Doors, Frames and Frame Anchors (revision of ANSI A250.4-2024)

ULSE (UL Standards and Engagement)

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

BSR/UL 763-202x, Standard for Safety for Motor-Operated Commercial Food Preparing Machines (revision of ANSI/UL 763-2023)

VITA (VMEbus International Trade Association (VITA))

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

BSR/VITA 48.5-202x, Mechanical Standard for Electronic Plug-In Units Using Air-Flow-Through Cooling (revision of ANSI/VITA 48.5-R2010 (R2017))

Call for Comment of ANS Limited Substantive Changes

ANSI Accredited Standards Developers

FCI - Fluid Controls Institute

ANSI/FCI 19-2-2022 - 30-Day Comment Deadline By October 19, 2025

This Call for Comment of Limited Substantive Changes to the Approved American National Standard is available for review & comment until **October 13, 2025**

ANSI/FCI 19-2-2022

Standard for Installation of Type 2 Secondary Pressure Drainers

(new standard)

The purpose of this standard is to help define the information required for proper installation of Type 2 Secondary Pressure Drainers (SPD) within systems utilizing steam for heat transfer. With an understanding of this criteria, it can be applied to these types of systems to provide effective and efficient condensate drainage. This is a necessary function of steam-using equipment to maintain consistent heat transfer.

Send comments (with optional copy to psa@ansi.org) to: Leslie Schraff; fci@fluidcontrolsinstitute.org
Obtain an electronic copy from: fci@fluidcontrolsinstitute.org
Single copy price: Free

Click here to view these changes in full

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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)

Public Review of Revised ASD Operating Procedures

AA (ASC H35) - Aluminum Association, ASC H35, Aluminum and Aluminum Alloys

Comment Deadline: October 20, 2025

The **Aluminum Association-sponsored ASC H35, Aluminum and Aluminum Alloys,** has submitted revisions to its currently accredited operating procedures for documenting consensus on AA (ASC H35)-sponsored American National Standards, under which it was last reaccredited in March 2025. As the revisions appear to be substantive in nature, the reaccreditation process is initiated.

To obtain a copy of the revised procedures or to offer comments, please contact: Sam Muhamed, Aluminum Association (AA (ASC H35)) | 1400 Crystal Drive, Suite 430, Arlington, VA 22202 | (864) 624-6908, smuhamed@aluminum.org

To view/download a copy of the revisions during the public review period, click here.

Please submit any public comments on the revised procedures to AA (ASC H35) by **October 20, 2025**, with a copy to the ExSC Recording Secretary in ANSI's New York Office (jthompso@ANSI.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

Aircraft and space vehicles (TC 20)

ISO/DIS 1966, Crimped joints for aircraft electrical cables - 12/1/2025, $58.00

Analysis of gases (TC 158)

ISO 6145-7:2018/DAmd 1, - Amendment 1: Gas analysis - Preparation of calibration gas mixtures using dynamic methods - Part 7: Thermal mass-flow controllers - Amendment 1: Correction of formula C.4 - 12/4/2025, $29.00

Coalbed methane (CBM) (TC 263)

ISO/DIS 25195, Evaluation method of coalbed methane recoverability - 12/4/2025, $71.00

Collaborative business relationship management -- Framework (TC 286)

ISO/DIS 44001, Collaborative business relationship management systems - Requirements and framework - 11/28/2025, $107.00

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

ISO/DIS 25206-1, Oil and gas industries including lower carbon energy - Enhanced oil recovery terms and definitions - Part 1: General vocabulary - 11/27/2025, $33.00

Mechanical vibration and shock (TC 108)

ISO/DIS 21940-14, Mechanical vibration - Rotor balancing - Part 14: Procedures for assessing balance errors - 11/28/2025, $77.00

Paper, board and pulps (TC 6)

ISO/DIS 2528, Sheet materials - Determination of water vapour transmission rate (WVTR) - Gravimetric (dish) method - 12/4/2025, $77.00

Road vehicles (TC 22)

ISO/DIS 6487, Road vehicles - Measurement techniques in impact tests - Instrumentation - 12/4/2025, $71.00

Rolling bearings (TC 4)

ISO/DIS 12090-1, Rolling bearings - Profiled rail guides for linear motion rolling bearings - Part 1: Boundary dimensions and tolerances for series 1, 2, 3, 6 and 7 - 12/1/2025, $88.00

Small craft (TC 188)

ISO/DIS 12401, Small craft - Deck safety harness and safety line - Safety requirements and test methods - 11/28/2025, $67.00

Steel and aluminium structures (TC 167)

ISO/DIS 19998, Structural bolting coordination - Tasks and responsibilities - 11/28/2025, $58.00

Sustainable development in communities (TC 268)

ISO/DIS 37189, Smart community infrastructure - Guidance for data-driven visualization in newly developing areas - 12/4/2025, $62.00

Traditional Chinese medicine (TC 249)

ISO/DIS 25657, Traditional Chinese medicine - Curculigo orchioides rhizome - 11/27/2025, $71.00

Water quality (TC 147)

ISO 6107:2021/DAmd 1, - Amendment 1: Water quality - Vocabulary - Amendment 1 - 11/28/2025, $29.00

IEC Standards

All-or-nothing electrical relays (TC 94)

94/1159/CDV, IEC 63522-55 ED1: Electrical Relays - Tests and measurements - Part 55: Maximum load breaking capacity, 12/05/2025

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

100/4383/DTR, IEC TR 63239 ED2: Radio frequency beam wireless power transfer (WPT) for mobile devices, 10/10/2025

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

46F/721(F)/FDIS, IEC 61169-64 ED2: Radio frequency connectors - Part 64: Sectional specification - RF coaxial connectors with 0,8 mm inner diameter of outer conductor - Characteristic impedance 50 Ω (type 0,8), 09/26/2025

46A/1735/FDIS, IEC 61196-1-114 ED2: Coaxial communication cables - Part 1-114: Electrical test methods - Test for inductance, 10/24/2025

46/1061(F)/FDIS, IEC 62153-4-7/AMD1 ED3: Amendment 1 - Metallic cables and other passive components test methods - Part 4-7: Electromagnetic compatibility (EMC) -Test method for measuring of transfer impedance Z_T and screening attenuation a_S or coupling attenuation a_C of connectors and assemblies - Triaxial tube in tube method, 10/03/2025

46F/722(F)/FDIS, IEC 63616 ED1: Measurement of the conductivity for metal thin films at microwave and millimeter-wave frequencies balanced-type circular disk resonator method, 10/03/2025

46F/726/NP, PNW TS 46F-726 ED1: Radio frequency connectors - Part 1-10: Electrical test methods - Contact resistance, 12/05/2025

Electric traction equipment (TC 9)

9/3266/FDIS, IEC 61373 ED3: Railway applications - Rolling stock equipment - Shock and vibration tests, 10/24/2025

Electrical equipment in medical practice (TC 62)

62/560/CD, IEC 60050-880/AMD1 ED1: International Electrotechnical Vocabulary (IEV) - Part 880: Electrical equipment, electrical systems and software used in healthcare, 11/07/2025

62D/2255/DISH, IEC 60601-2-2/AMD1/ISH1 ED6: Interpretation Sheet 1 - Amendment 1 - Medical electrical equipment - Part 2-2: Particular requirements for the basic safety and essential performance of high frequency surgical equipment and high frequency surgical accessories, 10/24/2025

62B/1393/DISH, IEC 60601-2-33/ISH2 ED4: Interpretation Sheet 2 - Medical electrical equipment - Part 2-33: Particular requirements for the basic safety and essential performance of magnetic resonance equipment for medical diagnosis, 10/24/2025

62A/1692/DISH, IEC 81001-5-1/ISH1 ED1: Interpretation Sheet 1 - Health software and health IT systems safety, effectiveness and security - Part 5-1: Security - Activities in the product life cycle, 10/24/2025

62/559/DPAS, IEC PAS 63621 ED1: Artificial intelligence enabled medical devices - Data management, 11/07/2025

62D/2250/FDIS, ISO 17510 ED1: Medical devices - Sleep apnoea breathing therapy - Masks and application accessories, 10/24/2025

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

48B/3177(F)/FDIS, IEC 60352-7 ED3: Solderless connections - Part 7: Spring clamp connections - General requirements, test methods and practical guidance, 10/03/2025

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

104/1130/CD, IEC 60068-2-45 ED2: Basic environmental testing procedures - Part 2-45: Tests - Test XA and guidance: Immersion in cleaning solvents, 11/07/2025

Fibre optics (TC 86)

86A/2622/CD, IEC 60794-1-3 ED2: Optical fibre cables - Part 1-3: Generic specification - Optical cable elements, 11/07/2025

86B/5129/FDIS, IEC 61300-3-50 ED2: Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-50: Examinations and measurements - Crosstalk for optical spatial switches, 10/24/2025

Fire hazard testing (TC 89)

89/1619/CDV, IEC 60695-1-14 ED2: Fire hazard testing - Part 1-14: Guidance on the different levels of power and energy related to the probability of ignition and fire in low voltage electrotechnical products, 12/05/2025

Industrial-process measurement and control (TC 65)

65E/1184/FDIS, IEC 62541-7 ED4: OPC Unified Architecture - Part 7: Profiles, 10/24/2025

65A/1192/CD, IEC 63661 ED1: Procedure Automation for Continuous Process Operations, 12/05/2025

65C/1365/NP, PNW 65C-1365 ED1: Industrial networks - Fieldbus specifications - Part 2-100: Physical layer specification and service definition - Type 100 elements, 12/05/2025

Lamps and related equipment (TC 34)

34B/2223/CDV, IEC 60061-PR2025-2 ED3: Lamp caps and holders together with gauges for the control of interchangeability and safety: Proposal for a new PAJxx.4p-n family of lamp caps (IEC 60061-1) and holders (IEC 60061-2) for automotive LED light sources, 12/05/2025

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

113/926/CD, IEC TS 62607-8-5 ED1: Nanomanufacturing - Key Control Characteristics - Part 8-5: Metal-oxide interfacial devices - Oxygen distribution: secondary ion mass spectrometry, 11/07/2025

Performance of household electrical appliances (TC 59)

59/857/FDIS, IEC 62849 ED2: Performance evaluation methods of robots for household and similar use, 10/24/2025

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

116/915(F)/FDIS, IEC 62841-3-16 ED1: Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 3-16: Particular requirements for transportable belt sanders, disc sanders and belt/disc sanders, 09/26/2025

Safety of household and similar electrical appliances (TC 61)

61/7487(F)/FDIS, IEC 60335-2-113 ED2: Household and similar electrical appliances - Safety - Part 2-113: Particular requirements for beauty care appliances incorporating lasers and intense light sources, 10/03/2025

Semiconductor devices (TC 47)

47/2954/FDIS, IEC 60749-22-1 ED1: Semiconductor devices - Mechanical and climatic test methods - Part 22-1: Bond strength - wire bond pull test methods, 10/24/2025

47/2957/FDIS, IEC 60749-24 ED2: Semiconductor devices - Mechanical and climatic test methods - Part 24: Accelerated moisture resistance - Unbiased HAST, 10/24/2025

47F/526/FDIS, IEC 62047-49 ED1: Semiconductor devices - Micro-electromechanical devices - Part 49: Temperature and humidity test methods for piezoelectric MEMS cantilevers, 10/24/2025

Solar photovoltaic energy systems (TC 82)

82/2506/FDIS, IEC 62548-1/AMD1 ED1: Amendment 1 - Photovoltaic (PV) arrays - Part 1: Design requirements, 10/24/2025

82/2483/CDV, IEC 62688 ED2: Concentrator photovoltaic (CPV) modules and assemblies - Safety qualification, 12/05/2025

82/2501(F)/FDIS, IEC 63349-1 ED1: Photovoltaic direct-driven appliance controllers - Part 1: General requirement, 10/10/2025

82/2511/CD, IEC TS 60904-1-4 ED1: Photovoltaic devices- Part 1-4: Guidelines for current-voltage measurements of metastable photovoltaic devices, 11/07/2025

Switchgear and controlgear (TC 17)

17C/982/NP, PNW TS 17C-982 ED1: High-voltage switchgear and controlgear - Part 307: Procedures for the extension of validity of type tests of AC metal and solid-insulation enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV, 12/05/2025

(TC)

CIS/A/1477/CD, CISPR 16-1-5/AMD2/FRAG2 ED2: Amendment 2 - Fragment 2: Calculable loop antennas, 11/07/2025

CIS/A/1478/CD, CISPR 16-1-6/AMD3/FRAG3 ED1: Amendment 3 - Fragment 3: Calculable loop antennas, 11/07/2025

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 y
to ANSI/ASHRAE Standard 15-2024

Second Public Review Draft

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

Second Public Review (XXXX 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).

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

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

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

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

FOREWORD

This proposed addendum y is in response to CMP 15-2022-0010-001 regarding release mitigation controls. It intends to better harmonize releasable charge and release mitigation control requirements with the product design standards, UL 60335-2-40 and UL 60335-2-89. Addendum y also intends to provide greater clarity around what portions of an independent circuit are impacted by signals from a refrigerant detector or refrigerant detection system.

As much of the language from the first Publication Public Review has been modified or replaced, this PPR2 completely replaces PPR1.

Addendum y to Standard 15-2024

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

7. RESTRICTIONS ON REFRIGERANT USE

[…]

7.3 Refrigerant Charge Limits.

[…]

7.3.4 Releasable Refrigerant Charge (m_{rel}) Determination.

[…]

7.3.4.4* Release Mitigation Controls. Release mitigation controls used to limit the *releasable refrigerant charge* (m_{rel}) *shall* comply with the following:

a. * Release mitigation ~~systems~~ controls *shall* be components of a *refrigeration system* that is *listed* per UL 60335-2-40 [5] /CSA C22.2 No. 60335-2-40 [6] or UL 60335-2-89 [7] /CSA C22.2 No. 60335-2-89 [8] and evaluated by the *nationally recognized testing laboratory* as part of the listing.

~~b. Release mitigation controls *shall* only be permitted for reducing the *releasable refrigerant charge* (m_{rel}) on a *refrigeration system* where each indoor unit has a cooling capacity of 5 tons (17.5 kW) or less.~~

~~c. Release mitigation controls *shall* be activated by a *refrigerant detection system*. A *refrigerant detector shall* be located either in all refrigeration equipment serving the spaces or in all spaces served by the release mitigation-controlled circuit. The *refrigerant detector shall* activate the release mitigation controls and isolate all possible paths of *refrigerant* that can leak into the space(s).~~

b. Release mitigation controls *shall* be activated by a *refrigerant detection system*. A *refrigerant detector shall* be located either in all refrigeration equipment serving the spaces or in all spaces served by the release-mitigation-controlled circuit. Where a *refrigerant detection system* determines that a signal is provided by one or more specific *refrigerant detectors*, the *refrigerant detection system shall* isolate the specific portions of the *independent circuit(s)* associated with the *refrigerant detector(s)* that have generated output signals.

~~d. In the event of a failure of the release mitigation controls or a *refrigerant detector*, the release mitigation controls *shall* isolate all possible paths of *refrigerant* that can leak into the space(s).~~

c. For a *refrigeration system* monitored by one or more *refrigerant detection systems*, in the event of a failure of a *refrigerant detection system*, the release mitigation controls *shall* isolate the specific portion of the *independent circuit(s)* monitored by the failed *refrigerant detection system.*

~~c~~d. *Refrigerant detectors shall* comply with Section 7.6.2.4 and *shall* activate the release mitigation controls per Section 7.6.2.5. For Group A1 *refrigerants*, 100% of *RCL shall* be substituted in place of 25% of *LFL*.

~~f~~e. The location of ~~*refrigerant*~~ release mitigation controls *shall* be marked in accordance with the requirements of ASME A13.1. [9]

~~g~~f. […]

~~h~~g. […]

~~i~~h. […]

[…]

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

INFORMATIVE APPENDIX A
EXPLANATORY MATERIAL

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

[…]

Section 7.3.4.4

Release mitigation controls include all mechanical and electronic controls of a system which perform actions to limit the release of *refrigerant* into an indoor space.

When a *safety shutoff valve* is utilized to limit the release of *refrigerant* and is controlled by a *refrigerant detection system*, the calculations of Section 7.3.4.3 are used to determine the quantity of *refrigerant* that can be released.

Section 7.3.4.4(a): Appliances or equipment listed to UL 60335-2-40[5]/CSA C22.2 No. 60335-2-40[6] and UL 60335-2-89[7]/CSA C22.2 No. 60335-2-89[8] have met requirements specific to one of the permissible methods for limiting the release of *refrigerant*. The quantity of *releasable refrigerant charge* determined from these requirements is labeled on the appliance or equipment. These methods are not limited to only a *safety shutoff valve* controlled by a leak detection system or *refrigerant detection system*. Other methods that do not utilize a *safety shutoff valve* controlled by a detection system are tested in every operational state of the *refrigeration system*, and the mitigation design requirements to determine the minimum room size are based on the worst-case operating state of the appliance or equipment.

[…]

Public Review Draft

Proposed Addendum o to Standard 189.1-2023

Standard for the Design of High-Performance Green Buildings

Except Low-Rise Residential Buildings

Second Public Review (July 2025)
(Draft Shows Proposed Independent Substantive Changes to Previous Public Review Draft)

This draft has been recommended for public review by the responsible project committee. To submit a comment on this proposed standard, go to the ASHRAE website at 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

In response to feedback from commenters, this independent substantive change increases the applicable height where bird-friendly glazing is required from 75 ft to 100 ft above grade. It also clarifies the wording related to glazing adjacent to roof areas with vegetation or water features, and clarifies the wording related to visual markers to include opaque, translucent (e.g. etched), and ultraviolet reflective markers.

[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 o 2nd ISC to 189.1-2023

Modify Section 5.3.7 as follows:

5.3.7 [JO] Bird-friendly Design.

5.3.7.1 Bird-Friendly Glazing Required Locations. Bird-friendly glazing shall be installed in new buildings and additions, and where 25% or more of the *vertical fenestration area* is being replaced during existing building alterations. Bird-friendly glazing compliant with Section 5.3.7.2 shall be installed in the following locations:

a. Not less than 90% of the area of *vertical fenestration*, glass spandrel, and *skylights* below ~~75~~ 100 feet (~~23~~ 30 m) above grade.

b. For existing buildings, not less than 90% of the area of *vertical fenestration* being replaced below ~~75~~ 100 feet (~~23~~ 30 m) above grade.

c. Not less than 90% of the area of *vertical fenestration*, glass spandrel, and *skylights* adjacent to and within the first three *stories* ~~or fewer~~ above roof areas with vegetation or water features.

d. Where glazed, all glazed corners, fly-through conditions, glazing adjacent to courtyards, skywalks, building connectors, railings, noise barriers, and wind barriers below ~~75~~ 100 feet (~~23~~ 30 m) above grade.

Exceptions to 5.3.7.1:

1. Buildings listed on the National Register of Historic Places.
2. Places of religious worship.

5.3.7.2 Bird-Friendly Glazing Characteristics

Where required by Section 5.3.7.1, qualifying bird-friendly glazing shall comply with not less than one of the following:

a. The first or second surface of the glazing shall have ~~solid fill~~ opaque, translucent, or ultraviolet reflective visual markers not smaller than 1/8" (3 mm), not more than 2" (50 mm) between linear continuous visual markers, and a density pattern such that a circle with diameter no more than 2.7" (69 mm) will fit between discrete point visual markers.

b. Clauses 3.3.1 through 3.3.3 of CSA A460.

c. Glazing shall be covered by permanently-attached exterior building-integrated structures that do not have gaps larger than 2" (50 mm) in any dimension, including metal screens and fixed solar shading.

d. Glazing shall have a bird-friendly configuration including markers and surface orientation approved by the *AHJ*.

Public Review Draft

Proposed Addendum t to Standard 189.1-2023

Standard for the Design of High-Performance Green Buildings

Except Low-Rise Residential Buildings

First Public Review (July, 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

This addendum clarifies that certain provisions in Sec. 8 only apply to certain types of construction (e.g. new buildings, additions, etc.). These changes will not negatively affect the cost of construction and in most cases, provides relief from requirements that are difficult to meet or are undesirable for aesthetic reasons for additions or alterations.

[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) and highlighted to assist the reviewer, 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 189.1-2023

Modify Sections 8.8 as shown.

8.8 Soil-Gas Control. ~~*Building projects*~~ New buildings and additions shall be designed to control soil-gas entry in accordance with Sections 8.8.1 or 8.8.2.
Exceptions to 8.8:
1. Buildings or portions thereof that are not routinely occupied, such as warehouses and open parking garages.
2. Ventilated garages that comply with ANSI/ASHRAE Standard 62.1, Sections 5.19 and 6.5.

8.8.1 Soil-Gas Control Systems. ~~*Building projects*~~ Projects shall comply with the design requirements of ANSI/ AARST CC-1000, Sections 2 through 13, as modified by Section 8.8.1.1.
8.8.1.1 Soil-Gas Retarders. *Soil-gas retarder* membranes shall comply with ASTM E1745 and shall be installed in accordance with ASTM E1643.
8.8.2 Alternative Methods of Soil-Gas Control. A soil-gas control system shall be provided, and such system shall be clearly identified or otherwise noted on *construction documents* and shall be *approved* by a qualified soil-gas professional and the *building project FPT provider*.

Modify Sections 8.10, 8.10.2 and 8.10.3 as shown. Only the affected sections are shown.

8.10 Daylighting. ~~The *building project*~~ New buildings and additions shall comply with ~~either~~ Sections 8.10.1 through 8.10.3 or with Section 8.10.4.

8.10.1 Daylighting in Large Spaces Directly under a Roof and Having High Ceilings….

[*remainder of Section 8.10.1 remains unchanged*]

8.10.2 Minimum Sidelighting Effective Aperture. The *spaces* listed in Table 8.10.2A shall comply with items (a), (b) and (c).

a. The north-, south-, and east-facing façades shall have a minimum *sidelighting effective aperture* as prescribed in Table 8.10.2B.

b. For all façades, the combined width of the *primary sidelighted areas* shall not be less than 75% of the length of the façade *wall*.

c. Opaque interior surfaces in *daylight areas* shall have average visible light reflectances greater than or equal to 80% for ceilings, 40% for partitions higher than 60 in. (1.5 m), and 60% for walls.

Exceptions to 8.10.2:

1. *Spaces* not adjacent to an exterior *wall*.
2. A *space* that would have tasks or activities requiring routine dark conditions for more than four daytime hours per day.
3. *Spaces* covered by and in compliance with Section 8.10.1 without the use of any exception.
4. *Daylight areas* where the height of existing adjacent structures above the window is not less than twice the distance between the window and the adjacent structures, measured from the top of the glazing.
5. Existing buildings undergoing addition, alteration, repair, relocation, or a change in occupancy.

[*remaining parts of Section 8.10.2 are unchanged*]

8.10.3 [JO] Shading for Offices. For office *spaces* 250 ft^2 (23 m^2) and larger, each façade shall be designed with a shading *projection factor* (*PF*). The *PF* shall not be less than 0.5 for the first story above grade and 0.25 for other above-grade stories. Shading is allowed to be external or internal using the *interior PF*. Shading devices shall be limited to the following:

a. Louvers, sun shades, light shelves, and any other permanent device. Any *vertical fenestration* that employs a combination of interior and external shading is allowed to be separated into multiple segments for compliance purposes. Each segment shall comply with the requirements for either external or *interior PF*.

b. Building self-shading through *roof* overhangs or recessed windows.

Exception to 8.10.3*:*

1. Facades facing within 45 degrees of true north in the northern hemisphere or facades facing 45 degrees from true south in the southern hemisphere.
2. Translucent panels and glazing systems with a measured haze value greater than 90% when tested according to ASTM D1003 or other *approved* test method, and that are entirely 8 ft (2.5 m) above the floor do not require external shading devices.
3. Where equivalent shading of the *vertical fenestration* is provided by buildings, structures, geological formations, or permanent exterior projections that are not horizontal, as determined by sun-angle studies at the peak solar altitude on the summer solstice and three hours before and after the peak solar altitude on the summer solstice.
4. *Vertical fenestration* with automatically controlled shading devices in compliance with Section 7.4.2.6, Exception 2.
5. *Vertical fenestration* with automatically controlled *dynamic glazing* in compliance with Section 7.4.2.6, Exception 3.
6. Existing buildings undergoing addition, alteration, repair, relocation, or a change in occupancy.

Modify Section 8.11 as shown.

8.11 Solar Glare Control. ~~The *building project*~~ Alterations involving *vertical fenestration,* new buildings, and additions

shall comply with ~~either~~ Section 8.11.1 or 8.11.2.

[*remainder of Section 8.11 remains unchanged*]

Modify Section 8.12 as shown.

8.12 Exterior Views. ~~Not~~ In new buildings, not less than 50% of the total combined floor area of each of the *space types* listed in Table 8.12 shall have a direct line-of-sight, originating at a height of not more than 42 in. (1.1 m) above the floor, to *view fenestration* meeting the criteria of this section. The line-of-sight distance to *view fenestration* shall not exceed 40 ft (12.2 m). The glazing area shall not be less than 8% of the floor area required to have exterior views. Qualifying *view fenestration* shall meet the following criteria:

a. Glazing shall have a haze value less than 3%, as determined in accordance with ASTM D1003.
b. Center-of-glass visible transmittance (VT) shall be not less than 20%.
c. The product of the center-of-glass VT and the openness factor of screens, patterned films, and ceramic frits shall be not less than 20%.
d. Where *dynamic glazing* is provided, glazing shall have a center-of-glass VT of not less than 20% at the highest setting of its VT range.
e. Where stationary opaque window treatments are provided, such as nonoperable blinds, shades, and louvers, such treatments shall not obstruct more than 40% of the *fenestration* glazing area.

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

NSF/ANSI 330:

Glossary of Drinking Water Treatment Unit Terminology

:

~~1~~ ~~Normative r~~References

The following documents were referenced in creation of the terms herein or are standards to which the definitions apply. At the time of publication, the indicated editions were valid. All of the documents are subject to revision and parties are encouraged to investigate the possibility of applying the recent editions of the documents indicated below. The most recent published edition of the document shall be used for undated references. ~~The following documents contain provisions that, through reference, constitute provisions of this Standard. At the time this Standard was balloted, the editions listed below were valid. All documents are subject to revision and the most recent published edition of the document shall be used for undated references.~~

40 C.F.R. Part 141, *National Primary Drinking Water Regulations*[3]

Glossary of Terms[4]

Guidelines for Canadian Drinking Water Quality[5]

NSF/ANSI 42, *Drinking Water Treatment Units – Aesthetic Effects*

NSF/ANSI 44, *Residential Cation Exchange Water Softeners*

NSF/ANSI 53, *Drinking Water Treatment Units – Health Effects*

NSF/ANSI 55, *Ultraviolet Microbiological Water Treatment Systems*

NSF/ANSI 58, *Reverse Osmosis Drinking Water Treatment Systems*

NSF/ANSI/CAN 61, *Drinking Water System Components – Health Effects*

NSF/ANSI 62, *Drinking Water Distillation Systems*

NSF/ANSI 177, *Shower Filtration Systems – Aesthetic Effects*

NSF/ANSI 244, *Drinking Water Treatment Units Supplemental Microbiological Water Treatment Systems – Filtration*

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

[3] U.S. Environmental Protection Agency. 1200 Pennsylvania Avenue NW, Washington, DC 20004. <www.epa.gov>
[4] Water Quality Association. 2375 Cabot Dr., Lisle, IL 60532-3696. < https://wqa.org>
[5] Health Canada. Address Locator 0900C2, Ottawa, Ontario K1A 0K9, Canada. <www.canada.ca/en/healthcanada.html>

The Drinking Water Dictionary[6]

Water-Use Terminology[7]

***Rationale*: Updates introductory paragraph to apply to a glossary of terms and adds documents.**

3 Definitions

⋮

active performance monitor (APM): An automatic means, working in conjunction with an end of life indicator (ELI), on a water treatment device that continually monitors contaminant reduction performance over its lifetime.

⋮

activated carbon: A particulate carbon (produced from coal, wood, coconut shell, or other organic materials) treated to give the material high adsorptive capacity to remove soluble and particulate contaminants.

⋮

empty bed contact time (EBCT): A measure of the time during which water to be treated is in contact with the treatment medium in a contact vessel, where all liquid passes through the vessel at the same velocity. EBCT is equal to the volume of the empty bed divided by the flow rate.

⋮

end of life indicator (ELI): An automatic means on a water treatment device that provides a visual or audible indication, or both, to warn the user that the device has reached the end of the manufacturer's claimed lifetime. An ELI is intended to prompt the replacement of components to improve the reliability of systems after installation. The ELI does not provide information on specific performance of the system for any contaminant or parameter.

⋮

method validation: A process used to confirm that the analytical procedure employed for a specific test is suitable for its intended use.

⋮

microplastics: ~~Solid~~ Insoluble polymeric materials that are greater than 1 and less than 5,000 micrometers (µm).

⋮

nanoplastics: Insoluble polymeric materials that are smaller than 1 micrometer (µm).

⋮

residential systems: Equipment designed for home use and intermittent household water flow rates. Residential systems treat potable water for normal household purposes using water obtained from a public supplier or self-supplied water.

⋮

source water: 1) Supplies of water. 2) Water supplied to the inlet of a drinking water treatment device.

⋮

synthetic water: Challenge water created from purified water, such as deionized or RO filtered, used by a certification lab.

⋮

[6] American Water Works Association. Two Penn Plaza, New York, NY 10121-2298.
[7] U.S. Geological Survey. 12201 Sunrise Valley Drive Reston, VA 20192. < https://www.usgs.gov/>

system with a tank: See *tank system*.

system without a tank: See *tankless system*.

⋮

tank system: (As used in NSF/ANSI 58) A reverse osmosis water treatment system that includes a tank (of a minimum size of 1 liter) to store treated water until needed for use.

tankless system: (As used in NSF/ANSI 58) A reverse osmosis water treatment system that does not fall under the definition of a tank system.

⋮

taste and odor: Non-health-related sensations perceived by the mouth (taste) and nose (smell).

⋮

***Rationale*: Adds and modifies definitions for terms appearing in NSF/ANSI drinking water treatment standards.**

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

NSF/ANSI/CAN Standard for Drinking Water Additives –

Drinking Water System Components – Health Effects

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•
•

1.3 Normative references

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•

Agilent Application Note 5991-4434EN: *Determination of 17 Organotin Compounds in Beverages Using Triple Quadrupole GC-MS/MS System*

•
•
•

Thermo Fisher Scientific Application Note 52099: *The Determination of Organotins in Water Using Triple Quadrupole GC-MS/MS*

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2 Definitions

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2.67 organotin: An organometallic chemical compound containing at least one tin-carbon bond.

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Table 3.1
Material-specific analyses

Material type	Required analyses
Plastic materials	
polyurethane (PUR)	GC/MS, [b] VOCs, regulated metals [a,c]
polyvinyl chloride (PVC) and chlorinated polyvinyl chloride (CPVC)	regulated metals, [a,c] phenolics, [b] VOCs, organotin, [g] lead, antimony, [h] residual vinyl chloride monomer (RVCM) [i]
PVC (flexible)	GC/MS, [b] VOCs, regulated metals, [a,c] lead, phthalates, [j] RVCM, [i] organotin, [g] zinc [k]

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[g] The analysis for organotin is required when tin-based stabilizers are used.

Table 3.2
Material specific analyses not listed in Table 3.1 or materials without formulation information (excluding coatings and process media)

Material type	Material specific analyses [a]	Suggested Method [b]
plastic materials not listed in Table 3.1	nylon monomers = 11-aminoundecanoic acid, 1,10-diaminodecane, laurolactam, adipic acid, 2-methyl-1,5-pentanediamine	LC/UV
	organotins	derivatization GC/MS/MS
	sulphone monomer, 4,4'-dichlorodiphenyl sulfone, and diphenyl sulfone	LC/UV
other materials not listed in Table 3.1 without formulation information (excluding coatings and process media)	chlorobenzenediamine, and dichlorobenzenediamine isomers	derivatization GC/ECD
	organotins	derivatization GC/MS/MS
	volatile organic compounds including 2-methylpropene (isobutylene), tetrahydrofuran, cyclohexanone, acetone, 1,3-butadiene, 2-chloro-1,3-butadiene (chloroprene), epichlorohydrin, methyl ethyl ketone, 2-methyl-1,3-butadiene (isoprene), divinyl benzene (vinyl styrene), 2,4-dichlorobenzoic acid, 2-methylpropene (isobutylene) MTBE, alpha-methyl styrene, hexafluoropropylene, vinylidene fluoride, hydroquinone monomethyl ether, acrylonitrile	EPA 524.2

N-1.7 Analysis methods

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N-1.7.3 Metals analysis

Analyses for metals shall be performed, except as otherwise provided for herein, in accordance with currently accepted U.S. Environmental Protection Agency (U.S. EPA) Methods (see 40 C.F.R. Part 141[3] and U.S. EPA 600/4-79-020,[9] *Methods for Chemical Analysis of Water and Wastes*). When no U.S. EPA Method is provided, analyses shall be performed in accordance with *Standard Methods for the Examination of Water and Wastewater* (most current edition). If neither of these two documents addresses the required parameters and matrix, or if an alternate method is desired, method validation shall be completed prior to the application of the method (see Section ~~N-1.7.2.5~~ 2.59).

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N-1.7.4.1 General requirements for analysis of organics

Analyses for organics shall be performed, except as otherwise provided for herein, in accordance with currently accepted U.S. EPA Methods (see 40 C.F.R. Part 141[3] and U.S. EPA 600/4-79-020,[9] *Methods for Chemical Analysis of Water and Wastes*). When no U.S. EPA Method is provided, analyses shall be performed in accordance with *Standard Methods for the Examination of Water and Wastewater*[4] (most current edition). If neither of these two documents addresses the required parameters and matrix, or if an alternate method is desired, method validation shall be completed prior to the application of the method (see Section ~~N-1.7.2.5~~ 2.59).

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N-1.7.4.6 Organotin analysis

Analysis for organotins shall be performed in accordance with either Thermo Fisher Scientific application note 52099 or Agilent application note 5991-4434EN.

N-1.7.4.~~6~~7 Per- and polyfluoroalkyl substances analysis

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DRAFT

Proposed Revisions to RES-001: Reusable packaging system design standard — Container design and performance

Note: Additions are shown as underlined text and deletions are shown as ~~strikethrough~~.

A copy of the standard and rationale for changes available upon request. Contact pr3standards@resolve.ngo

3 Definitions and abbreviations

Return rate — when referring to a class of containers, the percentage that are returned to the reusable packaging system after use, calculated ~~on an annual basis~~ over a defined period of time.

Packaging —

Primary — packaging that comes in direct contact with the product.
Note: *Primary packaging can also be referred to as "consumer packaging" or "retail packaging".*

Secondary — packaging that holds multiple primary packaging units together.
Note: *Secondary packaging can also be referred to as "grouped packaging".*

Tertiary — packaging that is used for bulk handling, storage, and transportation of products.
Note: *Tertiary packaging can also be referred to as "transport packaging".*

5 Material requirements

5.1 Materials and chemical groups

5.1.2 Restricted chemicals and chemical groups

The following chemicals and chemical groups shall not be intentionally added to containers during the manufacturing process:

a) carbon black pigment ~~that is not NIR-detectable~~

Proposed Revision of BSR A250.4 Test Procedure and Acceptance Criteria for Physical Endurance for Steel Doors, Frames and Frame Anchors

Background Information:

In January 2025 an inquiry was received from a testing agency regarding how Section 7.1.8 on permanent deflection was to be interpreted, and that inquiry was circulated to the ASC A250 by bulletin dated January 17th. Four ASC A250 responses were received and circulated to the SDI Technical Committee for discussion at their February meeting.

It was the committee's recommendation to revise the current verbiage:

Section 7.1.8

Permanent deflection of doors shall not exceed 1/8" when load is removed after each twist test.

to:

Section 7.1.8

Permanent deformation of doors shall not exceed 1/8" at completion of the test.

BSR/UL 62784, Standard for Safety for Vacuum Cleaners and Dust Extractors Providing Equipment Protection Level Dc for the Collection of Combustible Dusts – Particular Requirements

1. Revisions to the proposal document dated July 18, 2025, per response to comment received.

PROPOSAL

4.1DV DR Modification of Clause 4.1 to add the following:

In Canada, general requirements applicable to this standard are given in CSA C22.2 No. 0. In the US, this requirement does not apply.

BSR/UL 30, Standard for Safety for Metallic and Nonmetallic Safety Cans for Flammable and Combustible Liquids

TOPIC 1: Type 1 Safety Can
PROPOSAL

1 Scope

e) That are equipped with self-closing lid(s) or valve(s) or pressure-relief device(s), with flame arrester(s) in each opening or equivalent safety performance provided by flame mitigation device(s) [FMD(s)], and pressure relief devices.

4 Glossary

4.12 SPRING-LOADED LID or VALVE – Also referred to as a self-closing lid or valve; a closure used to protect the contents from heat sources, spills, to eliminate (when closed) the release of toxic and ignitable vapors. ~~At least one s~~Spring-loaded lids may ~~will~~ also function to safely relieve internal pressure when the safety can is exposed ~~fire except where there is a Pressure Relief Valve used to relieve pressure~~ to fire or excessive heat.

4.14 PRESSURE ~~-~~ RELIEF ~~VALVE~~ DEVICE – A normally closed ~~D~~device designated to automatically ~~that regulates the~~ relieve internal pressure ~~of the safety can~~and equalize pressure or vacuum caused by atmospheric changes.

CONSTRUCTION

6 General Requirements for Metallic and Non-Metallic Safety Cans

6.12 The bottom edge of a metal safety can having a nominal capacity of 3 US gal (11.4 L) or more shall be reinforced or shall be provided with a metal support ring, except where the design and construction of the can provides equivalent structural strength and stability without additional reinforcement~~is by dual pan construction of 0.7mm steel or more~~.

12 Attachment of Fittings

12.3 A flame arrester shall be of perforated sheet or wire mesh constructed from ~~of~~ brass, or stainless steel, ~~or of equivalent~~ similar corrosion-resistant metal or flame resistant HDPE.

MARKING

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

24 General

24.5 Safety cans without a self-closing lid shall be permanently marked or labelled with "Close lid when not in use" « Fermer le couvercle lorsqu'il n'est pas utilisé » or equivalent wording.

BSR/UL 218, Standard for Fire Pump Controllers

1. Withdrawal and replacement of ANSI/ISA MC96.1, Temperature-Measurement Thermocouples

PROPOSAL

7.10.26 The thermocouples shall be made of wires not larger than 0.21 mm^2 (24 AWG). The thermocouples and related instruments shall be accurate and calibrated in accordance with good laboratory practice. The thermocouple wire shall conform with the requirements for Special Tolerances thermocouples specified in Annex A, item 23.

Annex A
References
(Normative)

Item	Canada	Mexico	United States
1	Stationary Pumps for Fire Protection, NFPA 20		Stationary Pumps for Fire Protection, NFPA 20
2	Canadian Electrical Code, Part I, C22.1	NOM-001-SEDE	National Electrical Code, ANSI/NFPA 70
3	Enclosures for Electrical Equipment, Environmental Considerations, C22.2 No. 94.2	Enclosures for Electrical Equipment, Environmental Considerations, NMX-J-235-2-ANCE	Enclosures for Electrical Equipment, Environmental Considerations, UL 50E
4	Switches, Enclosed and Dead Front, C22.2 No. 4	Switches, Enclosed and Dead Front, NMX-J-162-ANCE	Switches, Enclosed and Dead Front, UL 98
5	CSA C22.2 No. 14 & TIL D21, (pending publication of C22.2 No. 253)	Pending publication	High Voltage Industrial Control Equipment, UL 347
6	Wire Connectors, C22.2 No. 65	NMX-J-543-ANCE (Note: Being evaluated.)	Wire Connectors and Soldering Lugs for Use With Copper Conductors, UL 486A
7	Wire Connectors, C22.2 No. 65		Wiring Terminals for Use With Aluminum and/or Copper Conductors, Equipment, UL 486E
8	Moulded Case Circuit Breakers, Moulded Case Switches and Enclosures for Circuit Breakers, C22.2 No. 5	Molded Case Circuit Breakers and Circuit Breaker Enclosures, NMX-J-266-ANCE	Molded Case Circuit Breakers and Circuit Breaker Enclosures, UL 489
9	Industrial Control Equipment, C22.2 No. 14	Enclosures for electrical equipment, Non-environmental considerations, NMX-J-235/1-ANCE ; Enclosures for electrical equipment, Environmental considerations, NMX-J-235/2-ANCE	Industrial Control Equipment, UL 508
10			Service Equipment, Reference Standard for, UL 869A
11	Transfer Switch Equipment, C22.2 No. 178.1	Distribution and Control Equipment, NMX-J-515-ANCE	Switches, Automatic Transfer, UL 1008

Item	Canada	Mexico	United States
12	Terminal blocks, C22.2 No. 158		Terminal Blocks, UL 1059
13			Battery Chargers for Charging Engine Starter Batteries, UL 1236
14	Surge Arresters for Alternating-Current Power Circuits, ANSI/IEEE C62.1-1989		Surge Arresters for Alternating-Current Power Circuits, ANSI/IEEE C62.1-1989
15	Metal-Oxide Surge Arresters for Alternating Current Power Circuits, ANSI/IEEE C62.11-1993		Metal-Oxide Surge Arresters for Alternating Current Power Circuits, ANSI/IEEE C62.11-1993
16	Standard Techniques for High Voltage Testing , IEEE 4-a-2001		Standard Techniques for High Voltage Testing , IEEE 4-a-2001
17	General Requirements – Canadian Electrical Code, Part II, C22.2 No. 0		
18	Industrial Control Equipment, C22.2 No. 14	Distribution and Control Equipment, NMX-J-515-ANCE	Industrial Control Equipment, UL 508
19	Bonding of Electrical Equipment, C22.2 No. 0.4		
20	Wire bending and wire bending space in enclosures for equipment rated 750 V or less, C22.2 No. 0.12		
21	High-Voltage Full-Load Interrupter Switches, C22.2 No. 193		High-Voltage Current-Limiting Motor-Starter Fuses Conference Test Procedures, IEEE C37.53.1
22	Industrial Control Equipment, C22.2 No. 14	Motor Control Centers, NMX-J-353-ANCE	Industrial Control Equipment, UL 508
23	Standard Specification and Temperature-Electromotive Force (emf) Tables for Standardized Thermocouples, ANSI/ASTM E230/E230M	Pending Publication	Standard Specification and Temperature-Electromotive Force (emf) Tables for Standardized Thermocouples, ANSI/ASTM E230/E230M
24	Low-Voltage Fuses – Part 4: Class CC Fuses, CSA C22.2 No. 248.4-00	Low-Voltage Fuses – Part 4: Class CC Fuses, NMX-J-009/4 ANCE	Low-Voltage Fuses – Part 4: Class CC Fuses, UL 248-4
25	Low-Voltage Fuses – Part 5: Class G Fuses, CSA C22.2 No. 248.5-00	Low-Voltage Fuses – Part 5: Class G Fuses, NMX-J-009/5 ANCE	Low-Voltage Fuses – Part 5: Class G Fuses, UL 248-5
26	Low-Voltage Fuses – Part 6: Class H Non-Renewable Fuses, CSA C22.2 No. 248.6-00	Low-Voltage Fuses – Part 6: Class H Non-Renewable Fuses, NMX-J-009/6 ANCE	Low-Voltage Fuses – Part 6: Class H Non-Renewable Fuses, UL 248-6
27	Low-Voltage Fuses – Part 7: Class H Renewable Fuses, CSA C22.2 No. 248.7-00	Low-Voltage Fuses – Part 7: Class H Renewable Fuses, NMX-J-009/7 ANCE	Low-Voltage Fuses – Part 7: Class H Renewable Fuses, UL 248-7
28	Low-Voltage Fuses – Part 8: Class J Fuses, CSA C22.2 No. 248.8-00	Low-Voltage Fuses – Part 8: Class J Fuses, NMX-J-009/8 ANCE	Low-Voltage Fuses – Part 8: Class J Fuses, UL 248-8

Item	Canada	Mexico	United States
29	Low-Voltage Fuses – Part 9: Class K Fuses, CSA C22.2 No. 248.9-00	Low-Voltage Fuses – Part 9: Class K Fuses, NMX-J-009/9 ANCE	Low-Voltage Fuses – Part 9: Class K Fuses, UL 248-9
30	Low-Voltage Fuses – Part 10: Class L Fuses, CSA C22.2 No. 248.10-00	Low-Voltage Fuses – Part 10: Class L Fuses, NMX-J-009/10 ANCE	Low-Voltage Fuses – Part 10: Class L Fuses, UL 248-10
31	Low-Voltage Fuses – Part 11: Plug Fuses, CSA C22.2 No. 248.11-00	Low-Voltage Fuses – Part 11: Plug Fuses, NMX-J-009/11 ANCE	Low-Voltage Fuses – Part 11: Plug Fuses, UL 248-11
32	Low-Voltage Fuses – Part 12: Class R Fuses, CSA C22.2 No. 248.12-00	Low-Voltage Fuses – Part 12: Class R Fuses, NMX-J-009/12 ANCE	Low-Voltage Fuses – Part 12: Class R Fuses, UL 248-12
33	Fuseholder Assemblies, CSA C22.2 No. 39-M1987 (R2003)		Fuseholders, UL 512
34	Fuseholders, CSA C22.2 No. 4248 series		Fuseholders, UL 4248 series
35	Installation of Sprinkler Systems in One-Two-Family Dwellings and Manufactured Homes, NFPA 13D		Installation of Sprinkler Systems in One-Two-Family Dwellings and Manufactured Homes, NFPA 13D
36	Standards Specifications for Laminated Thermosetting Materials, ASTM D709		Standards Specifications for Laminated Thermosetting Materials, ASTM D709
37			Insulation Coordination Including Clearances and Creepage Distances for Electrical Equipment, UL 840
38			Systems of Insulating Materials – General, UL 1446
39	Dimensions and Output Series for Rotating Electrical Machines Part 1: Frame Numbers 56 to 400 and Flange Numbers 55 to 1080, IEC 60072-1 (primary series)	Dimensions and Output Series for Rotating Electrical Machines Part 1: Frame Numbers 56 to 400 and Flange Numbers 55 to 1080, IEC 60072–1 (primary series)	Dimensions and Output Series for Rotating Electrical Machines Part 1: Frame Numbers 56 to 400 and Flange Numbers 55 to 1080, IEC 60072–1 (primary series)
40			Diesel Engines for Driving Stationary Fire Pumps, UL 1247
41			Low-voltage switchgear and controlgear - Controllers for drivers of stationary fire pumps, IEC 62091
42	Degrees of Protection Provided by Enclosures (IP) Code and ANSI/NEMA 60529 Degrees of Protection Provided by Enclosures (IP) Code, CAN/CSA C22.2 No. 60529		

BSR/UL 763, Standard for Safety for Motor-Operated Commercial Food Preparing Machines

1. Mold Stress-Relief Distortion Test

PROPOSAL

57 Mold Stress-Relief Distortion Test

57.1 A machine with a mounting assembly, an enclosure, or pressurized part constructed of a thermoplastic material shall be conditioned as described in 57.2.

57.2 One complete representative machine, or the part under consideration, is to be placed in a full draft circulating air oven maintained at a uniform temperature at least 10°C (18°F) higher than the maximum temperature of the material measured under actual operating conditions, but not less than 70°C (158°F) in any case. The machine is to remain in the oven for 7 hours. After its careful removal from the oven and its return to room temperature, the machine is to be subjected to the Adequacy of Mounting Test, Section 56. Non-metallic enclosure shall not provide any potential risk after conditioning. Non-metallic pressurized part is to be subjected to Hydrostatic Pressure Test, section 47.

2. Surface temperature limit

36.1.10 Surface temperatures

36.1.10.1 During the temperature test, a temperature on the surface of an appliance that may be contacted by the user shall be not more than the value indicated in Table 36.1A.

Table 36.1A

Maximum surface temperature

Location	Composition of surface[b,c]	
	Metal	Non-metallic
Handles, levers, or knobs likely to be grasped for lifting, carrying or holding[d]	50°C (122°F)	60°C (140°F)
Handles or knobs which are contacted, but do not involve lifting, carrying, or holding and other surfaces subject to contact in operation and user maintenance	60°C (140°F)	85°C (185°F)
Surfaces other than a heating function surface and known to be hot due to proximity to the heating function surface	70°C (158°F)	95°C (203°F)

[a] All temperature limits are based on a 25°C (77°F) ambient temperature.

[b] If the temperature on a rivet or screw in a barrier or handle, which could be contacted, touched and the like in the normal lifting, carrying or holding action, exceeds the values given, it is to be recessed at least 1/2 the diameter of the hole and the hole shall be no larger than 3/8 inch (9.5 mm) in diameter.

[c] Coatings or special materials will be considered on an individual basis. A handle, knob, grip or the like that is made of nonmetallic material and is plated or clad with metal having a thickness of 0.005 inch (0.127 mm) or less is considered a nonmetallic part. This also applies to metal-foil pressure sensitive labels should they meet the above thickness requirement.

[d] See 28.2 for handle and surface temperatures for blenders with a heating function.

63.8 Machines with hot surfaces

63.8.1 The marking required by 63.8.2 – 63.8.3 shall be permanent and shall be plain, legible, and readily visible from the operator's position.

63.8.2 When the temperature of the surface exceeds the limits specified in Table 36.1A, the appliance shall be marked with the words "CAUTION: Hot Surface" or equivalent wording.

63.8.3 The marking shall be located on or adjacent to the surface in question and shall be readily visible and legible from any anticipated user or observer locations within 3 feet from the surface. When the symbol is used, the equilateral triangle shall have a height not less than 1-1/2 inches (38 mm). The symbol and words contained within the triangle shall be scaled proportionately to the height of the equilateral triangle.

Exception No. 1: The wording "Warning" is not prohibited from being substituted for the wording "Caution" when the risk associated with a product is such that the use of the word "Warning" is appropriate.

BSR/UL 1449, Standard for Safety for Surge Protective Devices

9. Types 1, 2 and 3 Enclosed SPDs Incorporating Aluminum Rivets

PROPOSAL

17.1.5 Metal parts in a bonding/grounding path shall be galvanically compatible so as to reduce electrolytic action between dissimilar metals.

BSR/UL 5840, Standard for Safety for Electrical Systems of Battery Powered Aviation Ground Support Equipment

1. Addition of exception to batteries and battery management systems

PROPOSAL

13.2 The battery and its BMS shall comply with the requirements in UL/ULC 2580 or UL/ULC 2271.

Exception: A battery pack, consisting of a battery and integral battery management system ~~not being used for traction power to the GSE~~ for stationary GSE shall alternatively comply with the requirements in UL 1973.

FCI 19-2
Standard for Installation of Type 2 Secondary Pressure Drainers

Please note the following Subclause 7.7 in FCI 19-2 was changed from:

"Stop valves with tight shut-off *should* be considered for all various fluids (i.e. condensate, steam, etc.) for the purpose of isolating components in the event troubleshooting, inspection, repair or replacement is required. All valves *should* be full-ported so as not to restrict flow and installed at appropriate locations to ensure full and complete component isolation."

to

"Stop valves with tight shut-off *shall* be installed for all various fluids (i.e. condensate, steam, etc.) for the purpose of isolating components in the event troubleshooting, inspection, repair or replacement is required. All valves *shall* be full-ported so as not to restrict flow and installed at appropriate locations to ensure full and complete component isolation."