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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.

ALI (Automotive Lift Institute)

Bob O'Gorman <info@autolift.org> | PO Box 85, 3699 Luker Road | Cortland, NY 13045 www.autolift.org

Revision

BSR/ALI ALCTV-202-202x, Standard for Automotive Lifts - Safety Requirements for Construction, Testing, and Validation (revision of ANSI/ALI ALCTV-2017)

Stakeholders: All automotive service and parking lift manufacturers.

Project Need: Revise current standard per accreditation requirements and to remove or update text to comply with ANSI's Commercial terms and conditions of the latest ANSI Essential Requirements.

Interest Categories: Authorities Having Jurisdiction; Distribution, Inspection, and Service representatives; Manufacturers; Users or user organizations; and General Interest.

This standard covers safety requirements for the design, construction, testing, and validation of automotive lifts used for vehicle service and parking. These covered automotive lifts may be of the following types: manually driven, power driven, stationary, mobile, and lifts tilting the raised vehicle in the pitch direction.

ALI (Automotive Lift Institute)

Bob O'Gorman <info@autolift.org> | PO Box 85, 3699 Luker Road | Cortland, NY 13045 www.autolift.org

Revision

BSR/ALI ALIS-202-202x, Standard for Automotive Lifts - Safety Requirements for Installation and Service (revision of ANSI/ALI ALIS-2022)

Stakeholders: Automotive service lift owners, users, installers, service personnel and the regulatory community

Project Need: Revise current standard to remove or update text to comply with ANSI's Commercial terms and conditions of the latest ANSI Essential Requirements.

Interest Categories: Authorities Having Jurisdiction; Distribution, Inspection, and Service representatives; Manufacturers; Users or user organizations; and General Interest.

This standard covers the safety requirements for the installation and service of automotive lifts. It provides guidance to the installer and service technician for the installation and service of automotive lifts including the required qualifications, training, reporting and documentation for installers and service personnel.

ALI (Automotive Lift Institute)

Bob O'Gorman <info@autolift.org> | PO Box 85, 3699 Luker Road | Cortland, NY 13045 www.autolift.org

Revision

BSR/ALI ALOIM-202-202x, Standard for Automotive Lifts - Safety Requirements for Operation, Inspection, and Maintenance (revision of ANSI/ALI ALOIM-2020)

Stakeholders: Automotive lift manufacturers, users, inspection providers, planned maintenance providers, and the regulatory community.

Project Need: Revise current standard per accreditation requirements and to remove or update text to comply with ANSI's Commercial terms and conditions of the latest ANSI Essential Requirements.

Interest Categories: Authorities Having Jurisdiction; Distribution, Inspection, and Service representatives; Manufacturers; Users or user organizations; and General Interest.

This standard covers the safety requirements for the operation, inspection and maintenance of installed automotive lifts, regardless of age, country of origin, or certification status. Lifts that are not "automotive lifts" are outside the scope of this standard.

ASABE (American Society of Agricultural and Biological Engineers)

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

Revision

BSR/ASABE S625.2 MONYEAR-202x, Drawbar Pin Dimensions and Requirements for Towing Machine with Clevis (revision and redesignation of ANSI/ASABE S625.1-JUL2018 (R2022))

Stakeholders: Tractor manufacturers, implement and towed equipment manufacturers, regulators, university extension agents, farmers, cooperative operators

Project Need: The special application 25-mm (1-inch) drawbar pin has not been included in the ASABE drawbar pin standard.

Interest Categories: Producer, Consultant, Safety Expert, User, Design, General Interest

This standard establishes dimensional and minimum strength requirements for agricultural drawbar hitch pins used in single-point attaching of a towed machine to towing machines or leading machines. Application of this standard assumes a clevis on the towing machine conforming to ANSI/ASABE AD 6489-3:2004 and a ring on the towed machine conforming to ASABE/ISO 21244:2008. Additionally, this standard defines loading conditions for drawbar pin-retentive systems.

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

Barbara Bennett <comments@standards.incits.org> | 700 K Street NW, Suite 600 | Washington, DC 20001 www.incits.org

New Standard

BSR/INCITS 584-202x, Information technology - SCSI / NVMe™ Translation (SNT) (new standard)

Stakeholders: ICT Industry

Project Need: There is a large SCSI infrastructure that integrates a variety of device interface types (e.g., Fibre Channel, SAS, and SATA). There are existing SCSI to NVMe infrastructures that are vendor specific. This project is intended to provide manufacturers with a standardized behavior for SCSI infrastructures to communicate with NVMe devices.

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

SNT is a new project intended to standardize a translation of commands and related information that expresses SCSI command transactions in the form of NVMe command transactions.

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

Deborah Spittle <comments@standards.incits.org> | 700 K Street NW, Suite 600 | Washington, DC 20001 www.incits.org

National Adoption

BSR/INCITS/ISO/IEC 4922-1:2023 [202x], Information security - Secure multiparty computation - Part 1: General (identical national adoption of ISO/IEC 4922-1:2023)

Stakeholders: ICT Industry

Project Need: Adoption of this international standard is beneficial to the ICT Industry

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

Specifies definitions, terminology, and processes for secure multiparty computation and related technology, in order to establish a taxonomy and enable interoperability. In particular, this document defines the processes involved in cryptographic mechanisms which compute a function on data while the data are kept private; the participating parties; and the cryptographic properties. The terminology contained in this document is common to the ISO/IEC 4922 series.

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

Deborah Spittle <comments@standards.incits.org> | 700 K Street NW, Suite 600 | Washington, DC 20001 www.incits.org

National Adoption

BSR/INCITS/ISO/IEC 9797-1:2011/AM1:2023 [202x], Information technology - Security techniques - Message Authentication Codes (MACs) - Part 1: Mechanisms using a block cipher - Amendment 1 (identical national adoption of ISO/IEC 9797-1:2011/AM1:2023)

Stakeholders: ICT Industry

Project Need: Adoption of this international standard is beneficial to the ICT Industry

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

Amendment 1 to ISO/IEC 9797-1:2011.

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

Deborah Spittle <comments@standards.incits.org> | 700 K Street NW, Suite 600 | Washington, DC 20001 www.incits.org

National Adoption

BSR/INCITS/ISO/IEC 19989-1:2020 [202x], Information security - Criteria and methodology for security evaluation of biometric systems - Part 1: Framework (identical national adoption of ISO/IEC 19989-1:2020)

Stakeholders: ICT Industry

Project Need: Adoption of this international standard is beneficial to the ICT Industry

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

Introduces the general framework for the security evaluation of biometric systems, including extended security functional components, and supplementary activities to methodology, which is additional evaluation activities and guidance/recommendations for an evaluator to handle those activities.

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

Deborah Spittle <comments@standards.incits.org> | 700 K Street NW, Suite 600 | Washington, DC 20001 www.incits.org

National Adoption

BSR/INCITS/ISO/IEC 19989-2:2020 [202x], Information security - Criteria and methodology for security evaluation of biometric systems - Part 2: Biometric recognition performance (identical national adoption of ISO/IEC 19989-2:2020)
Stakeholders: ICT Industry

Project Need: Adoption of this international standard is beneficial to the ICT Industry

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

Document is dedicated to the security evaluation of biometric recognition performance applying the ISO/IEC 15408 series. It provides requirements and recommendations to the developer and the evaluator for the supplementary activities on biometric recognition performance specified in ISO/IEC 19989-1. The evaluation of presentation attack detection techniques is out of the scope of this document except for presentation from impostor attempts under the policy of the intended use following the TOE guidance documentation.

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

Deborah Spittle <comments@standards.incits.org> | 700 K Street NW, Suite 600 | Washington, DC 20001 www.incits.org

National Adoption

BSR/INCITS/ISO/IEC 19989-3:2020 [202x], Information security - Criteria and methodology for security evaluation of biometric systems - Part 3: Presentation attack detection (identical national adoption of ISO/IEC 19989-3:2020)
Stakeholders: ICT Industry

Project Need: Adoption of this international standard is beneficial to the ICT Industry

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

For security evaluation of biometric verification systems and biometric identification systems, this document is dedicated to security evaluation of presentation attack detection applying the ISO/IEC 15408 series. It provides recommendations and requirements to the developer and the evaluator for the supplementary activities on presentation attack detection specified in ISO/IEC 19989-1. This document is applicable only to TOEs for single biometric characteristic type but for the selection of a characteristic from multiple characteristics.

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

Deborah Spittle <comments@standards.incits.org> | 700 K Street NW, Suite 600 | Washington, DC 20001 www.incits.org

National Adoption

BSR/INCITS/ISO/IEC 20897-1:2020 [202x], Information security, cybersecurity and privacy protection - Physically unclonable functions - Part 1: Security requirements (identical national adoption of ISO/IEC 20897-1:2020)
Stakeholders: ICT Industry

Project Need: Adoption of this international standard is beneficial to the ICT Industry

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

Specifies the security requirements for physically unclonable functions (PUFs). Specified security requirements concern the output properties, tamper-resistance and unclonability of a single and a batch of PUFs. Since it depends on the application which security requirements a PUF needs to meet, this documents also describes the typical use cases of a PUF. Amongst PUF use cases, random number generation is out of scope in this document.

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

Deborah Spittle <comments@standards.incits.org> | 700 K Street NW, Suite 600 | Washington, DC 20001 www.incits.org

National Adoption

BSR/INCITS/ISO/IEC 23837-1:2023 [202x], Information security - Security requirements, test and evaluation methods for quantum key distribution - Part 1: Requirements (identical national adoption of ISO/IEC 23837-1:2023)

Stakeholders: ICT Industry

Project Need: Adoption of this international standard is beneficial to the ICT Industry

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

Specifies a general framework for the security evaluation of quantum key distribution (QKD) according to the ISO/IEC 15408 series. Specifically, it specifies a baseline set of common security functional requirements (SFRs) for QKD modules, including SFRs on the conventional network components and the quantum optical components, and the entire implementation of QKD protocols.

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

Deborah Spittle <comments@standards.incits.org> | 700 K Street NW, Suite 600 | Washington, DC 20001 www.incits.org

National Adoption

BSR/INCITS/ISO/IEC 27050-1:2019 [202x], Information technology - Electronic discovery - Part 1: Overview and concepts (identical national adoption of ISO/IEC 27050-1:2019 and revision of INCITS/ISO/IEC 27050-1:2016 [2019])

Stakeholders: ICT Industry

Project Need: Adoption of this international standard is beneficial to the ICT Industry

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

Provides an overview of electronic discovery. In addition, it defines related terms and describes the concepts, including, but not limited to, identification, preservation, collection, processing, review, analysis, and production of ESI. This document also identifies other relevant standards (e.g., ISO/IEC 27037) and how they relate to, and interact with, electronic discovery activities.

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

Deborah Spittle <comments@standards.incits.org> | 700 K Street NW, Suite 600 | Washington, DC 20001 www.incits.org

National Adoption

BSR/INCITS/ISO/IEC 24392:2023 [202x], Cybersecurity - Security reference model for industrial internet platform (SRM- IIP) (identical national adoption of ISO/IEC 24392:2023)

Stakeholders: ICT Industry

Project Need: Adoption of this international standard is beneficial to the ICT Industry

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

Presents specific characteristics of industrial internet platforms (IIPs), including related security threats, context-specific security control objectives and security controls. This document covers specific security concerns in the industrial context and thus complements generic security standards and reference models. In particular, this document includes secure data collection and transmission among industrial devices, data security of industrial cloud platforms, and secure collaborations with various industry stakeholders.

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

Deborah Spittle <comments@standards.incits.org> | 700 K Street NW, Suite 600 | Washington, DC 20001 www.incits.org

National Adoption

BSR/INCITS/ISO/IEC 27071:2023 [202x], Cybersecurity - Security recommendations for establishing trusted connections between devices and services (identical national adoption of ISO/IEC 27071:2023)

Stakeholders: ICT Industry

Project Need: Adoption of this international standard is beneficial to the ICT Industry

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

Provides a framework and recommendations for establishing trusted connections between devices and services based on hardware security modules. It includes recommendations for components such as: hardware security module, roots of trust, identity, authentication and key establishment, remote attestation, data integrity and authenticity. This document is applicable to scenarios that establish trusted connections between devices and services based on hardware security modules.

NENA (National Emergency Number Association)

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

New Standard

BSR/NENA STA-049.1-202x, NENA PSAP Application Transition to i3 PSAP Compliancy Standard (new standard)

Stakeholders: Technical and operational SMEs familiar with PSAP applications.

Project Need: The standard will specify how specific applications will need to support both legacy and i3 interfaces in order to permit continued operations during the transition process to NG9-1-1.

Interest Categories: Users, Producers, General Interests

Develop a standard specifying how an Agency transitions to fully i3-compliant applications without a forklift upgrade of all applications. The standard will specify how specific applications will need to support both legacy and i3 interfaces in order to permit continued operations during the transition process.

NFPA (National Fire Protection Association)

Patrick Foley <PFoley@nfpa.org> | One Batterymarch Park | Quincy, MA 02269-9101 www.nfpa.org

Revision

BSR/NFPA 1986-202x, Standard on Respiratory Protection Equipment for Tactical and Technical Operations (revision of ANSI/NFPA 1986-2023)

Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authorities, insurance, consumers, special experts, and research and testing.

Project Need: Public interest and need

Interest Categories: Manufacturer (M), User (U), Installer/Maintainer (I/M), Labor (L), Applied Research/Testing Laboratory (R/T), Enforcing Authority (E), Insurance (I), Consumer (C), and Special Expert (SE)

Please refer to the following link <https://www.nfpa.org/tcclass> for more information about our classifications

1.1 Scope. 1.1.1 This standard shall specify the minimum requirements for the design, performance, testing, and certification of (1) new compressed breathing air open-circuit self-contained breathing apparatus (SCBA) and compressed breathing air combination open-circuit self-contained breathing apparatus and supplied air respirators (SCBA/SARs); and (2) replacement parts, components, and accessories for those respirators.

NFPA (National Fire Protection Association)

Patrick Foley <PFoley@nfpa.org> | One Batterymarch Park | Quincy, MA 02269-9101 www.nfpa.org

Revision

BSR/NFPA 1987-202x, Standard on Combination Unit Respirator Systems for Tactical and Technical Operations (revision of ANSI/NFPA 1987-2023)

Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authorities, insurance, consumers, special experts, and research and testing.

Project Need: Public interest and need

Interest Categories: Manufacturer (M), User (U, Installer/Maintainer (I/M), Labor (L), Applied Research/Testing Laboratory (R/T), Enforcing Authority (E), Insurance (I), Consumer (C), and Special Expert (SE)

Please refer to the following link <https://www.nfpa.org/tcclass> for more information about our classifications

1.1 Scope. 1.1.1 This standard shall specify the minimum requirements for the design, performance, testing, and certification of new combination unit respirator (CUR) systems and for the replacement parts, components, and accessories for such respirators.

NFPA (National Fire Protection Association)

Patrick Foley <PFoley@nfpa.org> | One Batterymarch Park | Quincy, MA 02269-9101 www.nfpa.org

Revision

BSR/NFPA 1990-202x, Standard for Protective Ensembles for Hazardous Materials and CBRN Operations (revision of ANSI/NFPA 1990-2022)

Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authorities, insurance, consumers, special experts, and research and testing.

Project Need: Public interest and need

Interest Categories: Manufacturer (M), User (U, Installer/Maintainer (I/M), Labor (L), Applied Research/Testing Laboratory (R/T), Enforcing Authority (E), Insurance (I), Consumer (C), and Special Expert (SE)

Please refer to the following link <https://www.nfpa.org/tcclass> for more information about our classifications

1.1 Scope. This standard shall specify the minimum design, performance, testing, documentation, and certification requirements for the following PPE, which is used by emergency responders during hazardous materials emergencies and CBRN terrorism incidents: (1) Vapor-protective ensembles and ensemble elements for hazardous materials emergencies and CBRN terrorism incidents; (2) Liquid splash-protective ensembles and ensemble elements for hazardous materials emergencies; (3) Hazmat/CBRN protective ensembles and ensemble elements for hazardous materials emergencies and CBRN terrorism incidents

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

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

Revision

BSR/RESNA IF-1-202x, RESNA Standard for Inclusive Fitness—Volume 1: RESNA Standard for Inclusive Fitness Environments (revision of ANSI/RESNA IF-1-2020)

Stakeholders: People with impairment and/or disability and the fitness industry, including facility operators, trainers, and staff members; fitness equipment manufacturers, designers, and distributors; fitness facilities, gyms, and health clubs connected with a hotel/motel, resort, school, airport, spa, or recreation center (such as YMCA); inclusive fitness researchers and test laboratories; sports program operators; adaptive physical education teachers, teachers aides, para educators, and therapeutic support assistants; and policy makers.

Project Need: Enhance RESNA IF-1:2021 by adding the disclosure of additional inclusive fitness information, standards, and policies for fitness facility owners and policy makers to use in creating inclusive fitness environments. Add best practices regarding staff and trainer training, including information to be included in college programs designed to train people to work in fitness, sports, or physical education.

Interest Categories: Fitness Facility Staff/Trainers; Government; Research & Development; Test labs/testing assessment; Consumers, Advocates, and Caregivers; Disability Organization Representative; Fitness Equipment Manufacturers; General

Enhance RESNA IF-1:2021 by adding the disclosure of additional inclusive fitness information, standards, and policies for fitness facility owners and policy makers to use in creating inclusive fitness environments. Add best practices regarding staff and trainer training, including information to be included in college programs designed to train people to work in fitness, sports, or physical education.

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: November 12, 2023

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

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

Addenda

BSR/ASHRAE/IES Addendum c to ANSI/ASHRAE/IES Standard 90.1-2022, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2022)

This proposed Independent Substantive Change to Addendum c (Deadband) is intended to clarify issues that were raised during the first public review. The revisions are aimed at better communicating the requirements for special occupancies and set back operation.

[Click here to view these changes in full](#)

Send comments (copy psa@ansi.org) to: <https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts>

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

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

Addenda

BSR/ASHRAE/IES Addendum g to ANSI/ASHRAE/IES Standard 90.2-2018, High-Performance Energy Design of Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.2-2018)

This proposed Independent Substantive Change to Addendum g (IAQ updates) includes multiple revisions based on the first public review comments. It eliminates the two-inch minimum filter depth requirement, specifies how to test the garage-to-house enclosure boundary for air leakage, and corrects the kitchen exhaust hood capture requirements based on the latest ASTM E3087.

[Click here to view these changes in full](#)

Send comments (copy psa@ansi.org) to: <https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts>

Comment Deadline: November 12, 2023

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

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

Addenda

BSR/ASHRAE/IES Addendum n to ANSI/ASHRAE/IES Standard 90.1-2022, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2022)
Addendum n modifies Appendix G performance requirements to enable a proposed design to utilize the IAQ Procedure from 62.1-2022.

[Click here to view these changes in full](#)

Send comments (copy psa@ansi.org) to: <https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts>

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

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

Addenda

BSR/ASHRAE/IES Addendum n to ANSI/ASHRAE/IES Standard 90.2-2018, High-Performance Energy Design of Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.2-2018)
Addendum n proposes new requirements for electric vehicle supply equipment.

[Click here to view these changes in full](#)

Send comments (copy psa@ansi.org) to: <https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts>

NSF (NSF International)

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

Revision

BSR/NSF 385-202x (i5r1), Disinfection Mechanics (revision of ANSI/NSF 385-2022)
This standard is intended for use with devices intended to disinfect wastewater after secondary treatment and prior to discharge from residential wastewater treatment systems having rated treatment capacities between 757 LPD (200 GPD) and 5,678 LPD (1,500 GPD).

[Click here to view these changes in full](#)

Send comments (copy psa@ansi.org) to: Jason Snider <jsnider@nsf.org>

NSF (NSF International)

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

Revision

BSR/NSF 385-202x (i16r1), Disinfection Mechanics (revision of ANSI/NSF 385-2022)
This standard is intended for use with devices intended to disinfect wastewater after secondary treatment and prior to discharge from residential wastewater treatment systems having rated treatment capacities between 757 LPD (200 GPD) and 5,678 LPD (1,500 GPD).

[Click here to view these changes in full](#)

Send comments (copy psa@ansi.org) to: Jason Snider <jsnider@nsf.org>

Comment Deadline: November 12, 2023

NSF (NSF International)

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

Revision

BSR/NSF/CAN 61-202x (i173r1), Drinking Water System Components - Health Effects (revision of ANSI/NSF/CAN 61-2022)

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: Monica Leslie <mleslie@nsf.org>

ULSE (UL Standards & Engagement)

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

New Standard

BSR/UL 795-202x, Standard for Safety for Commercial-Industrial Gas-Fired Package Boilers (new standard)

The following topic is being recirculated: (1) Proposed new edition of the Standard for Commercial-Industrial Gas-Fired Package Boilers, UL 795, as a joint Canada-US standard.

[Click here to view these changes in full](#)

Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: <https://csds.ul.com/ProposalAvailable>.

ULSE (UL Standards & Engagement)

100 Queen Street, Suite 1040, Ottawa, ON K1P 1J9 Canada | celine.eid@ul.org, <https://ulse.org/>

Revision

BSR/UL 514B-202x, Standard for Safety for Conduit, Tubing, and Cable Fittings (revision of ANSI/UL 514B-2020) Distributed Generation DG Cable FITTINGS (1.8, Section 7.20, Section 8.41, Table 44).

[Click here to view these changes in full](#)

Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: <https://csds.ul.com/ProposalAvailable>.

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 773A-202x, Standard for Safety for Nonindustrial Photoelectric Switches for Lighting Control (revision of ANSI/UL 773A-2020)

(1) Requirements for push-in type terminals.

[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 12, 2023

ULSE (UL Standards & Engagement)

12 Laboratory Drive, Research Triangle Park, NC 27709 | ashley.seward@ul.org, <https://ulse.org/>

Revision

BSR/UL 923-202x, Standard for Safety for Microwave Cooking Appliances (revision of ANSI/UL 923-2023)

(1) Bottom-hinged exception from two action door open requirement; (2) Revision to the concealed door interlock test method.

[Click here to view these changes in full](#)

Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: <https://csds.ul.com/Home/ProposalsDefault.aspx>.

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 1322-202x, Standard for Fabricated Scaffold Planks and Stages (revision of ANSI/UL 1322-2023)

(1) Statement for Safety.

[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 27, 2023

AA (ASC H35) (Aluminum Association)

1400 Crystal Drive, Suite 430,, Arlington, VA 22202 | smuhamed@aluminum.org, www.aluminum.org

Reaffirmation

BSR H35.3-2017 (R202x), Designation System for Aluminum Hardeners (reaffirmation of ANSI H35.3-2017)

The standard covers the system for designation of aluminum hardeners used primarily for the addition of alloying or grain-refining elements to aluminum alloy melts.

Single copy price: Free

Obtain an electronic copy from: smuhamed@aluminum.org

Send comments (copy psa@ansi.org) to: Sam Muhamed <smuhamed@aluminum.org>

AA (ASC H35) (Aluminum Association)

1400 Crystal Drive, Suite 430,, Arlington, VA 22202 | smuhamed@aluminum.org, www.aluminum.org

Reaffirmation

BSR H35.4-2017 (R202x), Designation System for Unalloyed Aluminum (reaffirmation of ANSI H35.4-2017)

The standard covers the system for designating unalloyed aluminum not made by a refining process and used primarily for remelting.

Single copy price: Free

Obtain an electronic copy from: smuhamed@aluminum.org

Send comments (copy psa@ansi.org) to: Sam Muhamed <smuhamed@aluminum.org>

Comment Deadline: November 27, 2023

AA (ASC H35) (Aluminum Association)

1400 Crystal Drive, Suite 430,, Arlington, VA 22202 | smuhamed@aluminum.org, www.aluminum.org

Reaffirmation

BSR H35.5-2013 (R202x), Nomenclature System for Aluminum Metal Matrix Composite Materials (reaffirmation of ANSI H35.5-2013 (R2017))

The standard covers the system for designating wrought and cast aluminum metal matrix composite materials including generic temper designations.

Single copy price: Free

Obtain an electronic copy from: smuhamed@aluminum.org

Send comments (copy psa@ansi.org) to: Sam Muhamed <smuhamed@aluminum.org>

AA (ASC H35) (Aluminum Association)

1400 Crystal Drive, Suite 430,, Arlington, VA 22202 | smuhamed@aluminum.org, www.aluminum.org

Revision

BSR H35.2-202x, Dimensional Tolerances for Aluminum Mill Products (revision of ANSI H35.2-2017)

The standard includes dimensional tolerances for aluminum mill products which are accepted and used within the aluminum industry and by users of metal. It covers the tolerances for sheet and plate, fin stock, foil, wire, rod, and bar, tube and pipe, forgings, forging stock, and electrical conductors.

Single copy price: Free

Obtain an electronic copy from: smuhamed@aluminum.org

Send comments (copy psa@ansi.org) to: Sam Muhamed <smuhamed@aluminum.org>

AA (ASC H35) (Aluminum Association)

1400 Crystal Drive, Suite 430,, Arlington, VA 22202 | smuhamed@aluminum.org, www.aluminum.org

Revision

BSR H35.2-202x (M), Dimensional Tolerances for Aluminum Mill Products - Metric (revision of ANSI H35.2-2017)

The standard includes dimensional tolerances for aluminum mill products in metric units. It covers the tolerances in metric units for sheet and plate, fin stock, foil, wire, rod and bar, tube and pipe, forgings, forging stock, and electrical conductors.

Single copy price: Free

Obtain an electronic copy from: smuhamed@aluminum.org

Send comments (copy psa@ansi.org) to: Sam Muhamed <smuhamed@aluminum.org>

AA (ASC H35) (Aluminum Association)

1400 Crystal Drive, Suite 430,, Arlington, VA 22202 | smuhamed@aluminum.org, www.aluminum.org

Revision

BSR H35.1/H35.1 (M)-202x, Alloy and Temper Designation Systems for Aluminum (revision of ANSI H35.1/H35.1 (M)-2017)

The standard covers the systems for designating wrought aluminum and wrought aluminum alloys, aluminum and aluminum alloys in the form of castings and foundry ingot, the tempers in which they are produced, and aluminum and aluminum alloys in the form of powders.

Single copy price: Free

Obtain an electronic copy from: smuhamed@aluminum.org

Send comments (copy psa@ansi.org) to: Sam Muhamed <smuhamed@aluminum.org>

Comment Deadline: November 27, 2023

AGMA (American Gear Manufacturers Association)

1001 N Fairfax Street, 5th Floor, Alexandria, VA 22314-1587 | tech@agma.org, www.agma.org

Reaffirmation

BSR/AGMA 9001-C18, Flexible Couplings - Lubrication (reaffirmation of ANSI/AGMA 9001-C18)

This standard provides information on lubrication of gear couplings, chain couplings and metallic grid couplings. Types of lubricants and lubrication methods and practices are included. In addition, selection guides for grease and oil lubrication are provided.

Single copy price: \$Member 115.00 -Non-member 230.00

Obtain an electronic copy from: tech@agma.org

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

ASABE (American Society of Agricultural and Biological Engineers)

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

Revision

BSR/ASAE S422.2 MONYEAR-202x, Mapping Symbols and Nomenclature for Erosion and Sediment Control Plans for Land Disturbing Activities (revision and redesignation of ANSI/ASAE S422.1-2015 (R2019))

The purpose of this Standard is to establish a list of standard descriptive elements for use in erosion- and sediment-control plan development. These elements consist of mapping symbols, keys, modifiers, and corresponding nomenclature. By improving consistency across plans, this Standard should facilitate the use and review of such plans by contractors and other professionals.

Single copy price: \$78.00

Obtain an electronic copy from: walsh@asabe.org

Send comments (copy psa@ansi.org) to: Jean Walsh <walsh@asabe.org>

ASME (American Society of Mechanical Engineers)

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

Reaffirmation

BSR/ASME PTC 4-2013 (R202x), Performance Test Code on Fired Steam Generators (reaffirmation of ANSI/ASME PTC 4-2013)

This Code provides rules and instructions for conducting performance tests of fuel fired steam generators. These include coal, oil, and gas fired steam generators as well as steam generators fired by other hydrocarbon fuels. The scope also includes steam generators with integral fuel-sulfur capture utilizing chemical sorbents. Steam generators which are not fired by coal, oil, or gas may be tested using the concepts of this Code, but it should be noted that the uncertainty caused by variability of the fuel may be difficult to determine and is likely to be greater than the uncertainties in sampling and analysis of coal, oil, or gas.

Single copy price: \$270.00

Obtain an electronic copy from: <https://cstools.asme.org/csconnect/PublicReviewPage.cfm>

Send comments (copy psa@ansi.org) to: Donnie Alonzo <alonzod@asme.org>

Comment Deadline: November 27, 2023

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 NQA-1-202x, Quality Assurance Requirements for Nuclear Facility Applications (revision of ANSI/ASME NQA-1-2022)

This Standard provides requirements and guidelines for the establishment and execution of quality assurance programs during siting, design, construction, operation and decommissioning of nuclear facilities.

Single copy price: Free

Obtain an electronic copy from: <https://cstools.asme.org/cconnect/PublicReviewPage.cfm>

Send comments (copy psa@ansi.org) to: Abena Dinizulu

ASSP (Safety) (American Society of Safety Professionals)

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

Revision

BSR/ASSP Z15.1-202X, Safe Practices for Motor Vehicle Operations (revision and redesignation of ANSI/ASSE Z15.1-2017)

This standard sets forth practices for the safe management and operation of motor vehicles owned or operated by organizations. These practices are designed for use by those having the responsibility for the administration and operation of motor vehicles for organizational business.

Single copy price: \$125.00

Obtain an electronic copy from: RBlanchette@assp.org

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

B11 (B11 Standards, Inc.)

P.O. Box 690905, Houston, TX 77269 | cfelinski@b11standards.org, <https://www.b11standards.org/>

Revision

BSR/B11.27-202x, Safety Requirements for Electrical Discharge Machines (revision of ANSI B11.27-2020)

This standard specifies safety requirements and/or risk reduction measures, applicable to Electrical Discharge Machine (EDM) equipment and EDM systems, such as: (a) manually controlled, die sinking; drilling machines; (b) numerically controlled, die sinking; drilling machines; wire cutting machines. This standard addresses hazardous conditions during the use and foreseeable misuse in normal environments and non-explosive atmospheres and associated machine tasks including transportation, installation, maintenance, repair, and dismantling for removal or disposal. This standard is also applicable to auxiliary devices essential for EDM processing and includes information to be provided by the supplier to the user. This standard is not applicable to arc eroding and electro-chemical machining equipment.

Single copy price: \$129.00

Obtain an electronic copy from: cfelinski@b11standards.org

Send comments (copy psa@ansi.org) to: David Felinski <dfelinski@b11standards.org>

Comment Deadline: November 27, 2023

FM (FM Approvals)

1151 Boston-Providence Turnpike, Norwood, MA 02062 | josephine.mahnken@fmaprovals.com, www.fmglobal.com

New Standard

BSR/FM 4950-202x, Welding Pads, Welding Blankets and Welding Curtains for Hot Work Operations (new standard)

This standard sets performance requirements for welding pads, welding blankets, and welding curtains used as a means of preventing the ignition of combustibles during welding, cutting and other hot work operations. Welding pads, welding blankets, and welding curtains will be evaluated on their ability to: prevent burn-through of the material; provide adequate protection for adjacent combustibles; limit temperature transmission through the material; resist melting, dripping or deformation; maintain their flexibility, durability, and structural integrity; and resist degradation from weathering.

Single copy price: Free

Obtain an electronic copy from: josephine.mahnken@fmaprovals.com

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

FM (FM Approvals)

1151 Boston-Providence Turnpike, Norwood, MA 02062 | josephine.mahnken@fmaprovals.com, www.fmglobal.com

Reaffirmation

BSR/FM 4920-2014 (R202x), Filters Used in Clean Room Facilities (reaffirmation of ANSI/FM 4920-2014)

This test standard provides a procedure for evaluating clean room filter ceiling assemblies which consists of the filter units, the grid suspension members, and the sealant or gasket materials for their performance in regard to fire.

Single copy price: Free

Obtain an electronic copy from: Josephine Mahnken <josephine.mahnken@fmaprovals.com>

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

RESNET (Residential Energy Services Network, Inc.)

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

Addenda

BSR/RESNET/ICC 301-2022 Addendum E-202x, Central Fan Integrated Supply Systems (addenda to ANSI/RESNET/ICC 301-2022)

The addendum revises data collection and calculation requirements for modeling Central Fan Integrated Supply Systems utilized in the development of home energy performance ratings as determined by standard ANSI/RESNET/ICC 301-2022. The new requirements will improve the consistency of ratings determined by energy rating software.

Single copy price: \$55.00

Obtain an electronic copy from: Go to <https://www.resnet.us/about/standards/standards-currently-out-for-public-comment/>, then draft PDS-01 RESNET/ICC 301-2022 Addendum E-202x, CFIS Systems.

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

Comment Deadline: November 27, 2023

RESNET (Residential Energy Services Network, Inc.)

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

Addenda

BSR/RESNET/ICC 380-2022 Addendum B-202x, Central Fan Integrated Supply Systems (addenda to ANSI/RESNET/ICC 380-2022)

The addendum revises requirements of ANSI/RESNET/ICC 380-2022 for tests that provide data used in modeling the energy performance of Central Fan Integrated Supply Systems (CFIS systems). The modeling is used in the calculation of home energy performance ratings per standard ANSI/RESNET/ICC 301-2022.

Single copy price: \$55.00

Obtain an electronic copy from: Go to <https://www.resnet.us/about/standards/standards-currently-out-for-public-comment/>, then to draft PDS-01 RESNET/ICC 380-2022 Addendum B-202x.

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

TCNA (ASC A108) (Tile Council of North America)

100 Clemson Research Blvd., Anderson, SC 29625 | KSimpson@tileusa.com, www.tcnatile.com

New Standard

BSR A108.22-202x, Installation of Premixed Grout in Tilework (new standard)

This specification describes the minimum requirements for grouting ceramic tile with premixed grout.

Single copy price: \$20.00

Obtain an electronic copy from: ksimpson@tileusa.com

Send comments (copy psa@ansi.org) to: Katelyn Simpson, ksimpson@tileusa.com

TCNA (ASC A108) (Tile Council of North America)

100 Clemson Research Blvd., Anderson, SC 29625 | KSimpson@tileusa.com, www.tcnatile.com

New Standard

BSR A118.18-202x, Test Methods and Specifications for Foam Core Backer Boards (new standard)

This specification describes the test methods and the minimum requirements and values for foam core backer boards.

Single copy price: \$20.00

Obtain an electronic copy from: ksimpson@tileusa.com

Send comments (copy psa@ansi.org) to: Katelyn Simpson, ksimpson@tileusa.com

TCNA (ASC A108) (Tile Council of North America)

100 Clemson Research Blvd., Anderson, SC 29625 | KSimpson@tileusa.com, www.tcnatile.com

New Standard

BSR A118.19-202x, Specifications for Organic Premixed Grouts for Installation of Ceramic Tile (new standard)

This specification describes the test methods and the minimum requirements for organic pre-mixed grouts.

Single copy price: \$20.00

Obtain an electronic copy from: ksimpson@tileusa.com

Send comments (copy psa@ansi.org) to: Katelyn Simpson, ksimpson@tileusa.com

Comment Deadline: November 27, 2023

TCNA (ASC A108) (Tile Council of North America)

100 Clemson Research Blvd., Anderson, SC 29625 | KSimpson@tileusa.com, www.tcnatile.com

New Standard

BSR A128.1-202x, Dimensional Stability Test Method for Agglomerate, Natural Stone, and Manufactured Tiles (new standard)

The dimensional stability (DS) measurement provided in this proposed standard is an evaluation of Agglomerate Tile, Natural Stone Tile, and Non-Ceramic Manufactured Specialty Tiles under exposure to moisture from mortars, adhesives, substrates, or maintenance. These tests assist in selecting adhesive and assembly materials to help avoid tile deformation. Unexpected deformation may result in excessive lippage and/or delamination of the tile within the assembly or from the substrate.

Single copy price: \$20.00

Obtain an electronic copy from: ksimpson@tileusa.com

Send comments (copy psa@ansi.org) to: Katelyn Simpson, ksimpson@tileusa.com

TCNA (ASC A108) (Tile Council of North America)

100 Clemson Research Blvd., Anderson, SC 29625 | KSimpson@tileusa.com, www.tcnatile.com

Revision

BSR A118.9-202x, Test Methods and Specifications for Cementitious Backer Units (revision of ANSI A118.9-2019)

This specification describes the test methods and the minimum requirements and values for cementitious backer units.

Single copy price: \$20.00

Obtain an electronic copy from: ksimpson@tileusa.com

Send comments (copy psa@ansi.org) to: Katelyn Simpson, ksimpson@tileusa.com

TCNA (ASC A108) (Tile Council of North America)

100 Clemson Research Blvd., Anderson, SC 29625 | KSimpson@tileusa.com, www.tcnatile.com

Revision

BSR A118.10-202x, Specifications for Load Bearing, Bonded, Waterproof Membranes for Thin-Set Ceramic Tile and Dimension Stone Installation (revision of ANSI A118.10-2014 (R2019))

This specification describes the test methods and minimum requirements for load bearing, bonded, waterproof, membranes for thin-set ceramic tile and dimension stone installation.

Single copy price: \$20.00

Obtain an electronic copy from: ksimpson@tileusa.com

Send comments (copy psa@ansi.org) to: Katelyn Simpson, ksimpson@tileusa.com

ULSE (UL Standards & Engagement)

100 Queen Street, Suite 1040, Ottawa, ON K1P 1J9 Canada | celine.eid@ul.org, <https://ulse.org/>

Reaffirmation

BSR/UL 514B-2020 (R202x), Standard for Safety for Conduit, Tubing, and Cable Fittings (reaffirmation of ANSI/UL 514B-2020)

Reaffirmation of UL 5B

Single copy price: Free

Obtain an electronic copy from: celine.eid@ul.org

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 27, 2023

ULSE (UL Standards & Engagement)

100 Queen Street, Suite 1040, Ottawa, ON K1P 1J9 Canada | celine.eid@ul.org, <https://ulse.org/>

Reaffirmation

BSR/UL 568-2004 (R202x), Standard for Safety for Nonmetallic Cable Tray Systems (reaffirmation of ANSI/UL 568-2004 (R2019))

Reaffirmation of UL 568

Single copy price: Free

Obtain an electronic copy from: celine.eid@ul.org

Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: <https://csds.ul.com/ProposalAvailable>.

ULSE (UL Standards & Engagement)

100 Queen Street, Suite 1040, Ottawa, ON K1P 1J9 Canada | celine.eid@ul.org, <https://ulse.org/>

Reaffirmation

BSR/UL 870-2019 (R202x), Standard for Safety for Wireways, Auxiliary Gutters, and Associated Fittings (reaffirmation of ANSI/UL 870-2019)

Reaffirmation of UL 870

Single copy price: Free

Obtain an electronic copy from: celine.eid@ul.org

Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: <https://csds.ul.com/ProposalAvailable>.

ULSE (UL Standards & Engagement)

100 Queen Street, Suite 1040, Ottawa, ON K1P 1J9 Canada | celine.eid@ul.org, <https://ulse.org/>

Reaffirmation

BSR/UL 2515A-2019 (R202x), Standard for Safety for Supplemental Requirements for Extra Heavy Wall Reinforced Thermosetting Resin Conduit (RTRC) and Fittings (reaffirmation of ANSI/UL 2515A-2019)

Reaffirmation of UL 2515A

Single copy price: Free

Obtain an electronic copy from: celine.eid@ul.org

Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: <https://csds.ul.com/ProposalAvailable>.

ULSE (UL Standards & Engagement)

333 Pfingsten Road, Northbrook, IL 60062-2096 | roger.pareja@ul.org, <https://ulse.org/>

Revision

BSR/UL 414-202x, Standard for Meter Sockets (revision of ANSI/UL 414-2023)

Revision of UL 414. These requirements cover meter sockets for use with: (a) Watthour and similar meters; (b) Test switches; (c) Metering transformer cabinets; and (d) Metering transformer cabinet interiors for installation in accordance with the National Electrical Code, NFPA 70.

Single copy price: Free

Obtain an electronic copy from: <https://csds.ul.com/Home/ProposalsDefault.aspx>

Send comments (copy psa@ansi.org) to: <https://csds.ul.com/>

Comment Deadline: December 12, 2023

ASME (American Society of Mechanical Engineers)

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

Reaffirmation

BSR/ASME MFC-21.2-2010 (R202x), Measurement of Fluid Flow by Means of Thermal Dispersion Mass Flowmeters (reaffirmation of ANSI/ASME MFC-21.2-2010 (R2018))

This Standard establishes common terminology and gives guidelines for the quality, description, principle of operation, selection, installation, and flow calibration of thermal dispersion flowmeters for the measurement of the mass flow rate, and to a lesser extent, the volumetric flow rate, of the flow of a fluid in a closed conduit.

Multivariable versions additionally measure fluid temperature. Thermal dispersion mass flowmeters are applicable to the flow of single-phase pure gases and gas mixtures of known composition and, less commonly, to single-phase liquids of known composition. Companion standard ASME MFC-21.1 covers capillary tube type thermal mass flowmeters and controllers.

Single copy price: \$39.00

Order from: <https://cstools.asme.org/csconnect/PublicReviewPage.cfm>

Send comments (copy psa@ansi.org) to: Ryan Crane <craner@asme.org>

Project Withdrawn

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

ASABE (American Society of Agricultural and Biological Engineers)

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

BSR/ASABE AD22000-202x MONYEAR, Food safety management systems - Requirements for any organization in the food chain (national adoption with modifications of ISO 22000:2018)

Send comments (copy psa@ansi.org) to: Jean Walsh <walsh@asabe.org>

Notice of Withdrawal: ANS at least 10 years past approval date

The following American National Standards have not been revised or reaffirmed within ten years from the date of their approval as American National Standards and accordingly are withdrawn:

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

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

ANSI/ASHRAE Standard 195-2013, Method of Test for Rating Air Terminal Unit Controls (new standard)

Send comments (copy psa@ansi.org) to: Tanisha Meyers-Lisle <tmlisle@ashrae.org>

Notice of Withdrawal: ANS at least 10 years past approval date

The following American National Standards have not been revised or reaffirmed within ten years from the date of their approval as American National Standards and accordingly are withdrawn:

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

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

ANSI/ASHRAE Standard 198-2013, Method of Test for Rating DX-Dedicated Outdoor Air Systems for Moisture Removal Capacity and Moisture Removal Efficiency (new standard)

Send comments (copy psa@ansi.org) to: Tanisha Meyers-Lisle <tmlisle@ashrae.org>

The following American National Standards have not been revised or reaffirmed within ten years from the date of their approval as American National Standards and accordingly are withdrawn:

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

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

ANSI/ASHRAE Standard 18-2008 (R2013), Methods of Testing for Rating Drinking-Water Coolers with Self-Contained Mechanical Refrigeration (reaffirmation of ANSI/ASHRAE Standard 18-2008)

Send comments (copy psa@ansi.org) to: Tanisha Meyers-Lisle <tmlisle@ashrae.org>

The following American National Standards have not been revised or reaffirmed within ten years from the date of their approval as American National Standards and accordingly are withdrawn:

ISA (International Society of Automation)

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

ANSI/ISA 62443-3 (99.03.03)-2013, Security for industrial automation and control systems - Part 3-3: System security requirements and security levels (new standard)

Send comments (copy psa@ansi.org) to: Eliana Brazda <ebrazda@isa.org>

The following American National Standards have not been revised or reaffirmed within ten years from the date of their approval as American National Standards and accordingly are withdrawn:

ISA (International Society of Automation)

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

ANSI/ISA 75.19.01-2013, Hydrostatic Testing of Control Valves (revision of ANSI/ISA 75.19.01-2007)

Send comments (copy psa@ansi.org) to: Eliana Brazda <ebrazda@isa.org>

The following American National Standards have not been revised or reaffirmed within ten years from the date of their approval as American National Standards and accordingly are withdrawn:

NAAMM (National Association of Architectural Metal Manufacturers)

114 Whiting Street, Norfolk, VA 23505 | jeffc@cmservices.com, www.naamm.org

ANSI/NAAMM HMMA 865-2013, Guide Specifications for Sound Control Hollow Metal Door and Frame Assemblies (revision of ANSI/NAAMM HMMA 865-2003)

Send comments (copy psa@ansi.org) to: Jeff Church <jeffc@cmservices.com>

Notice of Withdrawal: ANS at least 10 years past approval date

The following American National Standards have not been revised or reaffirmed within ten years from the date of their approval as American National Standards and accordingly are withdrawn:

USEMCSC (United States EMC Standards Corp.)

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

ANSI/IEEE C63.22-2004 (R2012), Standard Guide for Automated Electromagnetic Interference Measurements
(reaffirmation of ANSI/IEEE C63.22-2004)

Send comments (copy psa@ansi.org) to: Jennifer Santulli <j.santulli@ieee.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.

AAMI (Association for the Advancement of Medical Instrumentation)

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

ANSI/AAMI/ISO 10993-3-2014 (R2023), Biological evaluation of medical devices - Part 3: Tests for genotoxicity, carcinogenicity and reproductive toxicity (reaffirm a national adoption ANSI/AAMI/ISO 10993-3-2014) Final Action Date: 10/9/2023 | *Reaffirmation*

ANSI/AAMI/ISO 10993-5-2009 (R2022), Biological evaluation of medical devices - Part 5: Tests for in vitro cytotoxicity (reaffirm a national adoption ANSI/AAMI/ISO 10993-5-2009 (R2014)) Final Action Date: 10/9/2023 | *Reaffirmation*

ANSI/AAMI/ISO 10993-13-2010 (R2019), Biological evaluation of medical devices - Part 13: Identification and quantification of degradation products from polymeric medical devices (reaffirm a national adoption ANSI/AAMI/ISO 10993-13-2010 (R2014)) Final Action Date: 10/9/2023 | *Reaffirmation*

ANSI/AAMI/ISO 10993-14-2001 (R2019), Biological evaluation of medical devices - Part 14: Identification and quantification of degradation products from ceramics (reaffirm a national adoption ANSI/AAMI/ISO 10993-14-2001 (R2011)) Final Action Date: 10/9/2023 | *Reaffirmation*

ANSI/AAMI/ISO 10993-16-2020 (R2022), Biological evaluation of medical devices - Part 16: Toxicokinetic study design for degradation products and leachables (reaffirm a national adoption ANSI/AAMI/ISO 10993-16-2020) Final Action Date: 10/9/2023 | *Reaffirmation*

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

2311 Wilson Boulevard, Suite 400, Arlington, VA 22201-3001 | kbest@ahrinet.org, www.ahrinet.org

ANSI/AHRI Standard 600-2023 (I-P), Standard for Performance Rating of Water/Brine to Air Heat Pump Equipment (new standard) Final Action Date: 10/5/2023 | *New Standard*

ASME (American Society of Mechanical Engineers)

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

ANSI/ASME B30.29-2018 (R2023), Self-Erecting Tower Cranes (reaffirmation of ANSI/ASME B30.29-2018) Final Action Date: 10/5/2023 | *Reaffirmation*

ANSI/ASME B16.20-2023, Metallic Gaskets for Pipe Flanges (revision of ANSI/ASME B16.20-2017) Final Action Date: 10/9/2023 | *Revision*

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

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

ANSI/ASSP A10.48-2023, Criteria for Safety Practices with the Construction, Demolition, Modification and Maintenance of Communication Structures (revision and redesignation of ANSI/ASSE A10.48-2016) Final Action Date: 10/3/2023 | *Revision*

ASTM (ASTM International)

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

ANSI/ASTM E3284-2023, Practice for Training in the Forensic Examination of Primer Gunshot Residue (pGSR) Using Scanning Electron Microscopy/Energy Dispersive X-Ray Spectrometry (SEM/EDS) (new standard) Final Action Date: 10/1/2023 | *New Standard*

ASTM (ASTM International)

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

ANSI/ASTM F3565-2023, Practice for Electrofusion Joining Polyethylene (PE) Pipe and Fittings for Pressure Pipe Service (new standard) Final Action Date: 9/26/2023 | *New Standard*

ANSI/ASTM E1188-2023, Practice for Collection and Preservation of Information and Physical Items by a Technical Investigator (revision of ANSI/ASTM E1188-2011 (2017)) Final Action Date: 9/26/2023 | *Revision*

ANSI/ASTM E2057-2023, Specifications for Preparation of Laboratory Analysis Requests in Sexual Assault Investigations (revision of ANSI/ASTM E2057-2010 (2015)) Final Action Date: 9/26/2023 | *Revision*

ANSI/ASTM E3175-2023, Practice for Training in the Forensic Examination of Hair by Microscopy (revision of ANSI/ASTM E3175-2022) Final Action Date: 10/1/2023 | *Revision*

ANSI/ASTM E3272-2023, Guide for Collection of Soils and Other Geological Evidence for Criminal Forensic Applications (revision of ANSI/ASTM E3272-2021) Final Action Date: 9/26/2023 | *Revision*

ANSI/ASTM F891-2023, Specification for Coextruded Poly(Vinyl Chloride) (PVC) Plastic Pipe with a Cellular Core (revision of ANSI/ASTM F891-2016) Final Action Date: 9/26/2023 | *Revision*

ANSI/ASTM F1960-2023b, Specification for Cold Expansion Fittings with PEX Reinforcing Rings for Use with Cross-linked Polyethylene (PEX) and Polyethylene of Raised Temperature (PE-RT) Tubing (revision of ANSI/ASTM F1960-2023) Final Action Date: 9/26/2023 | *Revision*

AWS (American Welding Society)

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

ANSI/AWS D14.0/D14.0M-2023, Machinery and Equipment Welding Specification (revision, redesignation and consolidation of AWS D14.1/D14.1M-2005; AWS D14.3/D14.3M-2019; AWS D14.4/D14.4M-2019; AWS D14.5/D14.5M-2009) Final Action Date: 10/3/2023 | *Revision*

CTA (Consumer Technology Association)

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

ANSI/CTA 2118-2023, Pure Tone Average Testing Methodology and Reporting Metrics for Consumer Facing Hearing Solutions (new standard) Final Action Date: 10/3/2023 | *New Standard*

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

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

INCITS/ISO/IEC 15408-1:2022 [2023], Information security, cybersecurity and privacy protection - Evaluation criteria for IT security - Part 1: Introduction and general model (identical national adoption of ISO/IEC 15408-1:2022 and revision of INCITS/ISO/IEC 15408-1:2009 [R2022]) Final Action Date: 10/3/2023 | *National Adoption*

INCITS/ISO/IEC 15946-5:2022 [2023], Information security - Cryptographic techniques based on elliptic curves - Part 5: Elliptic curve generation (identical national adoption of ISO/IEC 15946-5:2022 and revision of INCITS/ISO/IEC 15946-5:2009 [R2022]) Final Action Date: 10/3/2023 | *National Adoption*

INCITS/ISO/IEC 19772:2020 [2023], Information security - Authenticated encryption (identical national adoption of ISO/IEC 19772:2020 and revision of INCITS/ISO/IEC 19772:2009 [R2019]) Final Action Date: 10/3/2023 | *National Adoption*

INCITS/ISO/IEC 24745:2022 [2023], Information security, cybersecurity and privacy protection - Biometric information protection (identical national adoption of ISO/IEC 24745:2022 and revision of INCITS/ISO/IEC 24745:2011 [R2022]) Final Action Date: 10/3/2023 | *National Adoption*

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

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

INCITS/ISO/IEC 27005:2022 [2023], Information security, cybersecurity and privacy protection - Guidance on managing information security risks (identical national adoption of ISO/IEC 27005:2022 and revision of INCITS/ISO/IEC 27005:2018 [2019]) Final Action Date: 10/3/2023 | *National Adoption*

NSF (NSF International)

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

ANSI/NSF 14-2023 (i127r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2022) Final Action Date: 10/2/2023 | *Revision*

ANSI/NSF 53-2023 (i133r2), Drinking Water Treatment Units - Health Affects (revision of ANSI/NSF 53-2021) Final Action Date: 9/30/2023 | *Revision*

ANSI/NSF 58-2023 (i94r2), Reverse Osmosis Drinking Water Treatment Systems (revision of ANSI/NSF 58-2021) Final Action Date: 9/30/2023 | *Revision*

ANSI/NSF 244-2023 (i16r2), Supplemental Microbiological Water Treatment Systems - Filtration (revision of ANSI/NSF 244-2022) Final Action Date: 10/2/2023 | *Revision*

ANSI/NSF 245-2023 (i35r1), Residential Wastewater Treatment Systems - Nitrogen Reduction (revision and redesignation of ANSI/NSF 245-2022) Final Action Date: 9/14/2023 | *Revision*

ANSI/NSF 350-2023 (i80r1), Onsite Residential and Commercial Water Reuse Treatment Systems (revision of ANSI/NSF 350-2022) Final Action Date: 10/4/2023 | *Revision*

NW&RA (ASC Z245) (National Waste & Recycling Association)

1550 Crystal Drive, Suite #804, Arlington, VA 22202 | ksander@wasterecycling.org, www.wasterecycling.org

ANSI Z245.5-2023, Equipment Technology and Operations for Wastes and Recyclable Materials - Baling Equipment - Safety Requirements for Installation, Maintenance, Modification, Repair Operations (revision, redesignation and consolidation of ANSI Z245.5-2013, ANSI Z245.51-2013) Final Action Date: 10/2/2023 | *Revision*

ULSE (UL Standards & Engagement)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | Jonette.A.Herman@ul.org, <https://ulse.org/>

ANSI/UL 60034-1-2018 (R2023), Standard for Safety for Rotating Electrical Machines - Part 1: Rating and Performance (reaffirmation of ANSI/UL 60034-1-2018) Final Action Date: 9/26/2023 | *Reaffirmation*

ANSI/UL 60079-29-1-2019 (R2023), Standard for Safety for Explosive Atmospheres - Part 29-1: Gas Detectors - Performance Requirements of Detectors for Flammable Gases (reaffirmation of ANSI/UL 60079-29-1-2019) Final Action Date: 10/2/2023 | *Reaffirmation*

ANSI/UL 73-2023, Standard for Motor-Operated Appliances (revision of ANSI/UL 73-2022) Final Action Date: 10/6/2023 | *Revision*

ANSI/UL 101-2023, Standard for Safety for Leakage Current for Utilization Equipment (revision of ANSI/UL 101-2019) Final Action Date: 10/5/2023 | *Revision*

ANSI/UL 401-2023, Standard for Portable Spray Hose Nozzles for Fire-Protection Service (revision of ANSI/UL 401-2022) Final Action Date: 9/14/2023 | *Revision*

ANSI/UL 746A-2023c, Standard for Safety for Polymeric Materials - Short-Term Property Evaluations (revision of ANSI/UL 746A-2023) Final Action Date: 10/6/2023 | *Revision*

ULSE (UL Standards & Engagement)

333 Pfingsten Road, Northbrook, IL 60062-2096 | Heather.Sakellariou@ul.org, <https://ulse.org/>

ANSI/UL 746E-2023, Standard for Safety for Polymeric Materials - Industrial Laminates, Filament Wound Tubing, Vulcanized Fibre, and Materials Used in Printed Wiring Boards (revision of ANSI/UL 746E-2022) Final Action Date: 10/6/2023 | *Revision*

ANSI/UL 746F-2023, Standard for Safety for Polymeric Materials - Flexible Dielectric Film Materials for Use in Printed-Wiring Boards and Flexible Materials Interconnect Constructions (revision of ANSI/UL 746F-2022) Final Action Date: 10/4/2023 | *Revision*

ANSI/UL 796-2023, Standard for Safety for Printed Wiring Boards (revision of ANSI/UL 796-2022) Final Action Date: 10/4/2023 | *Revision*

ANSI/UL 796F-2023, Standard for Safety for Flexible Materials Interconnect Constructions (revision of ANSI/UL 796F-2022) Final Action Date: 10/6/2023 | *Revision*

ANSI/UL 879A-2023, Standard for Safety for LED Sign and Sign Retrofit Kits (revision of ANSI/UL 879A-2016) Final Action Date: 10/6/2023 | *Revision*

ANSI/UL 970-2023, Standard for Safety for Retail Fixtures and Merchandising Displays (revision of ANSI/UL 970-2022) Final Action Date: 10/6/2023 | *Revision*

USEMCSC (United States EMC Standards Corp.)

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

ANSI C63.14-2023, Standard Dictionary for Electromagnetic Compatibility (EMC) including Electromagnetic Environmental Effects (E3) (revision and redesignation of ANSI/C63.14-2009) Final Action Date: 10/9/2023 | *Revision*

VITA (VMEbus International Trade Association (VITA))

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

ANSI/VITA 46.0-2023x, VPX Baseline Standard (revision of ANSI/VITA 46.0-2019) Final Action Date: 10/6/2023 | *Revision*

ANSI/VITA 48.7-2023x, Mechanical Standard for Electronic Plug-in Units using Air Flow-by Cooling Technology (revision of ANSI/VITA 48.7-2014) Final Action Date: 10/6/2023 | *Revision*

Call for Members (ANS Consensus Bodies)

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

ANSI Accredited Standards Developer

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

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

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

Membership in the INCITS Executive Board is open to all directly and materially interested parties in accordance with INCITS membership rules. To find out more about participating on the INCITS Executive Board, contact Jennifer Garner at jgarner@itic.org or visit <http://www.incits.org/participation/membership-info> for more information.

Membership in all interest categories is always welcome; however, the INCITS Executive Board seeks to broaden its membership base in the following underrepresented categories:

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

ANSI Accredited Standards Developer

SCTE (Society of Cable Telecommunications Engineers)

SCTE, an ANSI-accredited SDO, is the primary organization for the creation and maintenance of standards for the cable telecommunications industry. SCTE's standards mission is to develop standards that meet the needs of cable system operators, content providers, network and customer premises equipment manufacturers, and all others who have an interest in the industry through a fair, balanced and transparent process.

SCTE is currently seeking to broaden the membership base of its ANS consensus bodies and is interested in new members in all membership categories to participate in new work in fiber-optic networks, advanced advertising, 3D television, and other important topics. Of particular interest is membership from the content (program and advertising) provider and user communities.

Membership in the SCTE Standards Program is open to all directly and materially affected parties as defined in SCTE's membership rules and operating procedures.

More information is available at www.scte.org or by e-mail from standards@scte.org.

ANSI Accredited Standards Developer

DirectTrust - DirectTrust.org, Inc.

DS2022_05 - Privacy-Enhancing Health Record Locator Service Ecosystem (PEHRLS)

Are you interested in contributing to the development of a standard for a privacy-enhancing record locator service ecosystem?

This consensus body is currently seeking voting members in the following categories: Consumer Sector; Government Sector; Social Care Sector; and Payer Sector.

If you are interested in joining the DS2022_05 - Privacy-Enhancing Health Record Locator Service Ecosystem (PEHRLS) Consensus Body, contact Standards@DirectTrust.org.

ANSI Accredited Standards Developer

DirectTrust - DirectTrust.org, Inc.

DS2021_04 - Information Exchange for Human Service (IX4HS)

The Information Exchange for Human Services (IX4HS) project will evaluate and identify existing and developing standards (such as the Direct Standard™), or create new standards or profiles as needed, for the secure communication of sensitive information between healthcare settings and Human Services organizations as well as between Human Services organizations for the purposes of endpoint discovery, referral, information exchange, information requests, and care coordination.

This consensus body is currently seeking voting members in the following categories: Consumer Sector; Government Sector; Information Technology Sector; Social Care Sector and Payer Sector.

If you are interested in joining the DS2021_04- Information Exchange for Human Service (IX4HS) Consensus Body, contact Standards@DirectTrust.org.

ANSI Accredited Standards Developer

DirectTrust - DirectTrust.org, Inc.

DS2020_03 - Event Notifications via the Direct Standard™

Are you interested in contributing to the development and maintenance of an implementation guide for actors in the healthcare ecosystem who will use the Direct Standard™ for the communication of various transactions in support of Encounter and Event Notifications?

DirectTrust is currently seeking members in the following categories: Consumer Sector; Government Sector; Social Care Sector; and Payer Sector.

If you are interested in joining the DS2020_03- Event Notifications via the Direct Standard™ Consensus Body, contact Standards@directtrust.org

AGMA (American Gear Manufacturers Association)

1001 N Fairfax Street, 5th Floor, Alexandria, VA 22314-1587 | tech@agma.org, www.agma.org

BSR/AGMA 9001-C18, Flexible Couplings - Lubrication (reaffirmation of ANSI/AGMA 9001-C18)

ALI (Automotive Lift Institute)

PO Box 85, 3699 Luker Road, Cortland, NY 13045 | info@autolift.org, www.autolift.org

BSR/ALI ALOIM-202-202x, Standard for Automotive Lifts - Safety Requirements for Operation, Inspection, and Maintenance (revision of ANSI/ALI ALOIM-2020)

ALI (Automotive Lift Institute)

PO Box 85, 3699 Luker Road, Cortland, NY 13045 | info@autolift.org, www.autolift.org

BSR/ALI ALIS-202-202x, Standard for Automotive Lifts - Safety Requirements for Installation and Service (revision of ANSI/ALI ALIS-2022)

ASABE (American Society of Agricultural and Biological Engineers)

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

BSR/ASABE S625.2 MONYEAR-202x, Drawbar Pin Dimensions and Requirements for Towing Machine with Clevis (revision and redesignation of ANSI/ASABE S625.1-JUL2018 (R2022))

ASABE (American Society of Agricultural and Biological Engineers)

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

BSR/ASAE S422.2 MONYEAR-202x, Mapping Symbols and Nomenclature for Erosion and Sediment Control Plans for Land Disturbing Activities (revision and redesignation of ANSI/ASAE S422.1-2015 (R2019))

FM (FM Approvals)

1151 Boston-Providence Turnpike, Norwood, MA 02062 | josephine.mahnken@fmaprovals.com, www.fmglobal.com

BSR/FM 4950-202x, Welding Pads, Welding Blankets and Welding Curtains for Hot Work Operations (new standard)

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

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

BSR/INCITS 584-202x, Information technology - SCSI / NVMe™ Translation (SNT) (new standard)

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

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

BSR/INCITS/ISO/IEC 4922-1:2023 [202x], Information security - Secure multiparty computation - Part 1: General (identical national adoption of ISO/IEC 4922-1:2023)

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

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

BSR/INCITS/ISO/IEC 9797-1:2011/AM1:2023 [202x], Information technology - Security techniques - Message Authentication Codes (MACs) - Part 1: Mechanisms using a block cipher - Amendment 1 (identical national adoption of ISO/IEC 9797-1:2011/AM1:2023)

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

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

BSR/INCITS/ISO/IEC 19989-1:2020 [202x], Information security - Criteria and methodology for security evaluation of biometric systems - Part 1: Framework (identical national adoption of ISO/IEC 19989-1:2020)

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

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

BSR/INCITS/ISO/IEC 19989-2:2020 [202x], Information security - Criteria and methodology for security evaluation of biometric systems - Part 2: Biometric recognition performance (identical national adoption of ISO/IEC 19989-2:2020)

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

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

BSR/INCITS/ISO/IEC 19989-3:2020 [202x], Information security - Criteria and methodology for security evaluation of biometric systems - Part 3: Presentation attack detection (identical national adoption of ISO/IEC 19989-3:2020)

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

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

BSR/INCITS/ISO/IEC 20897-1:2020 [202x], Information security, cybersecurity and privacy protection - Physically unclonable functions - Part 1: Security requirements (identical national adoption of ISO/IEC 20897-1:2020)

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

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

BSR/INCITS/ISO/IEC 23837-1:2023 [202x], Information security - Security requirements, test and evaluation methods for quantum key distribution - Part 1: Requirements (identical national adoption of ISO/IEC 23837-1:2023)

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

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

BSR/INCITS/ISO/IEC 27050-1:2019 [202x], Information technology - Electronic discovery - Part 1: Overview and concepts (identical national adoption of ISO/IEC 27050-1:2019 and revision of INCITS/ISO/IEC 27050-1:2016 [2019])

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

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

BSR/INCITS/ISO/IEC 24392:2023 [202x], Cybersecurity - Security reference model for industrial internet platform (SRM- IIP) (identical national adoption of ISO/IEC 24392:2023)

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

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

BSR/INCITS/ISO/IEC 27071:2023 [202x], Cybersecurity - Security recommendations for establishing trusted connections between devices and services (identical national adoption of ISO/IEC 27071:2023)

NENA (National Emergency Number Association)

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

BSR/NENA STA-049.1-202x, NENA PSAP Application Transition to i3 PSAP Compliancy Standard (new standard)

Interest Categories: NENA is seeking volunteers for the PSAP Application Transition to i3 Working Group. The working group will be developing a standard specifying how an Agency transitions to fully i3-compliant applications without a forklift upgrade of all applications. The standard will specify how specific applications will need to support both legacy and i3 interfaces to permit continued operations during the transition process. A variety of expertise is sought for the volunteers for this work group, such as operational and technical experience. Meetings will be held on Wednesdays from 2:00 – 3:30 ET. Please use the following link to join the working group. <https://www.nena.org/page/NENASAPTransition>

NSF (NSF International)

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

BSR/NSF 385-202x (i5r1), Disinfection Mechanics (revision of ANSI/NSF 385-2022)

NSF (NSF International)

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

BSR/NSF 385-202x (i16r1), Disinfection Mechanics (revision of ANSI/NSF 385-2022)

NSF (NSF International)

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

BSR/NSF/CAN 61-202x (i173r1), Drinking Water System Components - Health Effects (revision of ANSI/NSF/CAN 61-2022)

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

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

BSR/RESNA IF-1-202x, RESNA Standard for Inclusive Fitness-Volume 1: RESNA Standard for Inclusive Fitness Environments (revision of ANSI/RESNA IF-1-2020)

ULSE (UL Standards & Engagement)

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

BSR/UL 1322-202x, Standard for Fabricated Scaffold Planks and Stages (revision of ANSI/UL 1322-2023)

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 link is 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.standardstolearn.org

Meeting Notices (Standards Developers)

ANSI Accredited Standards Developer

CSA - CSA America Standards Inc.

November 7 CSA Fuel Cell Technical Committee Meeting Cancelled

The CSA Group's planned Fuel Cell Technical Committee meeting scheduled for November 7, 2023 from 1 p.m. to 4 p.m. EST has been cancelled. For more information contact Mark Duda at mark.duda@csagroup.org.

ANSI Accredited Standards Developer

CSA - CSA America Standards Inc.

Rescheduling Notice

The Joint Binational (U.S. and Canada) Technical Committee for Carbon Intensity of Hydrogen will hold a committee meeting on:

Rescheduled from October 10th, 2023

New date: October 17, 2023 at 1 PM - 4 PM ET WebEx meeting

For more information contact Anna Copeland, CSA Group at anna.copeland@csagroup.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)
PRCA (Professional Ropes Course Association)
RESNET (Residential Energy Services Network, Inc.)
SAE (SAE International)
TCNA (Tile Council of North America)
TIA (Telecommunications Industry Association)
TMA (The Monitoring Association)
ULSE (UL Standards & Engagement)

To obtain additional information with regard to these standards, including contact information at the ANSI Accredited Standards Developer, please visit ANSI Online at www.ansi.org/asd, select "American National Standards Maintained Under Continuous Maintenance." Questions? psa@ansi.org.

ANSI-Accredited Standards Developers (ASD) Contacts

The addresses listed in this section are to be used in conjunction with standards listed in PINS, Call for Comment, Call for Members and Final Actions. This section is a list of developers who have submitted standards for this issue of *Standards Action* – it is not intended to be a list of all ANSI-Accredited Standards Developers. Please send all address corrections to the PSA Department at psa@ansi.org.

AA (ASC H35)

Aluminum Association
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AAMI

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AGMA

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AHRI

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ALI

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ASME

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CTA

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Catrina Akers
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FM

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ITI (INCITS)

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NENA

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NFPA

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RESNA

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TCNA (ASC A108)

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USEMCSC

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Jing Kwok
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ISO & IEC Draft International Standards



This section lists proposed standards that the International Organization for Standardization (ISO) and the International Electrotechnical Commission (IEC) are considering for approval. The proposals have received substantial support within the technical committees or subcommittees that developed them and are now being circulated to ISO and IEC members for comment and vote. Standards Action readers interested in reviewing and commenting on these documents should order copies from ANSI.

COMMENTS

Comments regarding ISO documents should be sent to ANSI's ISO Team (isot@ansi.org); comments on ISO documents must be submitted electronically in the approved ISO template and as a Word document as other formats will not be accepted.

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

ORDERING INSTRUCTIONS

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

IEC Standards

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

100/4053/CD, IEC 61937-16 ED1: Digital Audio - Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 - Part 16: Non-linear PCM bitstreams according to the AVSA format, 12/29/2023

100/4049/FDIS, IEC 63296-2 ED1: Portable multimedia equipment - Determination of battery duration - Part 2: Headphones and earphones with active noise-cancelling functions, 11/17/2023

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

46A/1644/CD, IEC 61196-1-111 ED3: Coaxial communication cables - Part 1-111: Electrical test methods - Stability of phase test methods, 12/29/2023

46A/1645/CD, IEC 61196-1-113 ED3: Coaxial communication cables - Part 1-113: Electrical test methods - Test for attenuation constant, 12/29/2023

46/953/CD, IEC TR 62839-1 ED2: Environmental declaration - Part 1: Communication wires and cables - product specific rules, 12/29/2023

Documentation and graphical symbols (TC 3)

3/1637/NP, PNW 3-1637 ED1: Preparation of information for use (instructions for use) of products - Part x Specific provisions for complex systems, 12/29/2023

Electrical equipment in medical practice (TC 62)

62D/2088/FDIS, IEC 60601-2-35/AMD1 ED2: Amendment 1 - Medical electrical equipment - Part 2-35: Particular requirements for the basic safety and essential performance of heating devices using blankets, pads or mattresses and intended for heating in medical use, 11/17/2023

62D/2085A/FDIS, IEC 80601-2-78/AMD1 ED1: Amendment 1 - Medical electrical equipment - Part 2-78: Particular requirements for basic safety and essential performance of medical robots for rehabilitation, assessment, compensation or alleviation, 11/10/2023

Electrical installations of ships and of mobile and fixed offshore units (TC 18)

18/1864/CD, IEC 60092-501 ED6: Electrical installations in ships - Part 501: Special features - Electric propulsion plant, 12/29/2023

Equipment for electrical energy measurement and load control (TC 13)

13/1910/NP, PNW 13-1910 ED1: Accuracy test method for static electricity meters under dynamic load conditions, 12/29/2023

Fibre optics (TC 86)

86B/4807(F)/FDIS, IEC 61300-2-11 ED3: Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-11: Tests - Axial compression, 11/03/2023

86B/4808(F)/FDIS, IEC 61300-2-6 ED3: Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-6: Tests - Tensile strength of coupling mechanism, 11/03/2023

86B/4803(F)/FDIS, IEC 61753-081-03 ED1: Fibre optic interconnecting devices and passive components - Performance standard - Part 081-03: Non-connectorized single-mode fibre optic middle-scale 1 x N DWDM devices for category OP - Outdoor protected environment, 10/27/2023

Industrial-process measurement and control (TC 65)

65C/1273/CD, IEC/IEEE 60802 ED1: Time-sensitive networking profile for industrial automation, 12/01/2023

Instrument transformers (TC 38)

38/756/CDV, IEC/IEEE 61869-21 ED1: Instrument transformers - Part 21: Uncertainty evaluation in the calibration of Instrument Transformers, 12/29/2023

Insulation co-ordination for low-voltage equipment (TC 109)

109/222/CD, IEC 60664-1/AMD1 ED3: Amendment 1 - Insulation coordination for equipment within low-voltage supply systems - Part 1: Principles, requirements and tests, 12/29/2023

Insulators (TC 36)

36A/237/NP, PNW TS 36A-237 ED1: Transformer bushings dimensional standardization - Part 1: Medium voltage and low voltage bushings, 12/29/2023

36A/238/NP, PNW TS 36A-238 ED1: Transformer bushings dimensional standardization - Part 2: High voltage bushings., 12/29/2023

Lamps and related equipment (TC 34)

34/1132/FDIS, IEC 62386-306 ED1: Digital addressable lighting interface - Part 306: Particular requirements - Input devices - General purpose sensor, 11/17/2023

Piezoelectric and dielectric devices for frequency control and selection (TC 49)

49/1441/CD, IEC 60679-2 ED2: Piezoelectric, dielectric and electrostatic oscillators of assessed quality - Part 2: Guide to the use of quartz crystal oscillators, 12/29/2023

Power system control and associated communications (TC 57)

57/2622/DTR, IEC TR 61850-80-5 ED1: Communication networks and systems for power utility automation - Part 80-5: Guideline for mapping information between IEC 61850 and IEC 61158-15, 12/01/2023

Printed Electronics (TC 119)

119/454/CDV, IEC 62899-506-1 ED1: Printed electronics-Part 506-1: Quality assessment- Accelerated stress test of printed heating element, 12/01/2023

Process Management for Avionics (TC 107)

107/411/DTR, IEC TR 62500 ED1: Process management for avionics - Highly severe stress tests for operating margins identification and robustness improvement of avionics equipment - Application guide, 12/01/2023

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

116/692/FDIS, IEC 62841-2-12 ED1: Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 2-12: Particular requirements for hand-held concrete vibrators, 11/17/2023

Safety of household and similar electrical appliances (TC 61)

61/7009(F)/FDIS, IEC 60335-2-60 ED5: Household and similar electrical appliances - Safety - Part 2-60: Particular requirements for whirlpool baths and whirlpool spas, 10/27/2023

61/7013(F)/FDIS, IEC 60335-2-98 ED3: Household and similar electrical appliances - Safety - Part 2-98: Particular requirements for humidifiers, 11/03/2023

Secondary cells and batteries (TC 21)

21/1177/FDIS, IEC 63118-1 ED1: 12 V lithium-ion secondary batteries for automotive starting, lighting, ignition (SLI) applications and auxiliary purposes - Part 1: General requirements and methods of test, 11/17/2023

Surface mounting technology (TC 91)

91/1910/CD, IEC 60068-2-83 ED2: Environmental testing - Part 2-83: Tests - Test Tf: Solderability testing of electronic components for surface mounting devices (SMD) by the wetting balance method using solder paste, 12/29/2023

Switchgear and controlgear (TC 17)

17C/903/CDV, IEC 62271-200/AMD1 ED3: Amendment 1 - High-voltage switchgear and controlgear - Part 200: AC metal-enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV, 12/29/2023

(TC)

SyCSmartEnergy/241/CD, IEC SRD 63460 ED1: Architecture and use-cases for EVs to provide grid support functions, 12/29/2023

Wearable electronic devices and technologies (TC 124)

124/247/FDIS, IEC 63203-402-3 ED1: Wearable electronic devices and technologies - Part 402-3: Performance measurement of fitness wearables - Test methods for the determination of the accuracy of heart rate, 11/17/2023



Newly Published ISO & IEC Standards

Listed here are new and revised standards recently approved and promulgated by ISO - the International Organization for Standardization – and IEC – the International Electrotechnical Commission. Most are available at the ANSI Electronic Standards Store (ESS) at www.ansi.org. All paper copies are available from Standards resellers (<http://webstore.ansi.org/faq.aspx#resellers>).

ISO Standards

Acoustics (TC 43)

[ISO 10534-2:2023](#), Acoustics - Determination of acoustic properties in impedance tubes - Part 2: Two-microphone technique for normal sound absorption coefficient and normal surface impedance, \$183.00

Agricultural food products (TC 34)

[ISO 24382:2023](#), Bee pollen - Specifications, \$183.00

Control and safety devices for non industrial gas-fired appliances and systems (TC 161)

[ISO 23551-12:2023](#), Safety and control devices for gas burners and gas-burning appliances - Particular requirements - Part 12: Multifunctional controls with integral overpressure protection safety function (OPSF) for use with butane gas cartridges used in portable gas appliances, \$183.00

Fine ceramics (TC 206)

[ISO 20505:2023](#), Fine ceramics (advanced ceramics, advanced technical ceramics) - Mechanical properties of ceramic composites at room temperature - Determination of the interlaminar shear strength and shear modulus of continuous-fibre-reinforced composites by the compression of double-notched test pieces and by the Iosipescu test, \$157.00

Healthcare organization management (TC 304)

[ISO 7101:2023](#), Healthcare organization management - Management systems for quality in healthcare organizations - Requirements, \$183.00

Lifts, escalators, passenger conveyors (TC 178)

[ISO 25745-2:2015/Amd 1:2023](#), - Amendment 1: Energy performance of lifts, escalators and moving walks - Part 2: Energy calculation and classification for lifts (elevators) - Amendment 1: Express zones, \$22.00

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

[ISO 12736-1:2023](#), Oil and gas industries including lower carbon energy - Wet thermal insulation systems for pipelines and subsea equipment - Part 1: Validation of materials and insulation systems, \$237.00

[ISO 12736-2:2023](#), Oil and gas industries including lower carbon energy - Wet thermal insulation systems for pipelines and subsea equipment - Part 2: Qualification processes for production and application procedures, \$237.00

[ISO 12736-3:2023](#), Oil and gas industries including lower carbon energy - Wet thermal insulation systems for pipelines and subsea equipment - Part 3: Interfaces between systems, field joint systems, field repairs and pre-fabricated insulation, \$237.00

Mechanical testing of metals (TC 164)

[ISO 4545-1:2023](#), Metallic materials - Knoop hardness test - Part 1: Test method, \$183.00

Non-destructive testing (TC 135)

[ISO 4773:2023](#), Non-destructive testing - Ultrasonic guided-wave testing using the phased-array technique, \$116.00

Other

[IWA 43:2023](#), \$51.00

Screw threads (TC 1)

[ISO 68-1:2023](#), ISO general purpose screw threads - Basic and design profiles - Part 1: Metric screw threads, \$51.00

[ISO 68-2:2023](#), ISO general purpose screw threads - Basic and design profiles - Part 2: Inch screw threads, \$77.00

Soil quality (TC 190)

[ISO 18475:2023](#), Environmental solid matrices - Determination of polychlorinated biphenyls (PCB) by gas chromatography - mass selective detection (GC-MS) or electron-capture detection (GC-ECD), \$210.00

Steel (TC 17)

[ISO 6819:2023](#), Steel wire rod for bridge cable wire, \$77.00

Steel wire ropes (TC 105)

[ISO 10425:2023](#), Steel wire ropes for the petroleum and natural gas industries - Minimum requirements and terms of acceptance, \$237.00

Sustainable development in communities (TC 268)

[ISO 37173:2023](#), Smart community infrastructure - Guidance for the development of smart building information systems, \$116.00

Tourism and related services (TC 228)

[ISO 24807:2023](#), Recreational diving services - Requirements for rebreather diver training - Decompression diving to 100 m, \$157.00

Tractors and machinery for agriculture and forestry (TC 23)

[ISO 23316-5:2023](#), Tractors and machinery for agriculture and forestry - Electrical high-power interface 700 V DC / 480 V AC - Part 5: DC operation mode, \$210.00

ISO Technical Reports**Aircraft and space vehicles (TC 20)**

[ISO/TR 6832:2023](#), Space systems - Development technology of a thermal vacuum chamber, \$210.00

ISO/IEC JTC 1, Information Technology

[ISO/IEC 29102:2023](#), Information technology - Office equipment - Method for the determination of ink cartridge yield for colour photo printing with inkjet printers and multi-function devices that contain inkjet printer components, \$183.00

IEC Standards**Documentation and graphical symbols (TC 3)**

[IEC/PAS 63485 Ed. 1.0 en:2023](#), Intelligent Information Request and Delivery - A process model for the exchange of information for use, \$190.00

Fibre optics (TC 86)

[IEC 61753-021-02 Ed. 1.0 b:2023](#), Fibre optic interconnecting devices and passive components - Performance standard - Part 021-02: Single-mode fibre optic connectors terminated as pigtailed and patchcords for category C - Controlled environment, \$145.00

[IEC 61753-021-06 Ed. 1.0 b:2023](#), Fibre optic interconnecting devices and passive components - Performance standard - Part 021-06: Single-mode fibre optic connectors terminated as pigtailed and patchcords for category OP+ - Extended outdoor protected environment, \$190.00

Other

[IEC SRD 63456 Ed. 1.0 en:2023](#), Navigation tools for smart manufacturing, \$278.00

Wearable electronic devices and technologies (TC 124)

[IEC 63203-401-1 Ed. 1.0 b:2023](#), Wearable electronic devices and technologies - Part 401-1: Devices and systems: functional elements - Evaluation method of the stretchable resistive strain sensor, \$190.00

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

[IEC/TS 63222-2 Ed. 1.0 en:2023](#), Power quality management - Part 2: Power quality monitoring system, \$234.00

International Organization for Standardization (ISO)

Call for U.S. TAG Administrator

ISO/TC 34/SC 17 – Management systems for food safety

ANSI has been informed that the American Society of Agricultural and Biological Engineers (ASABE), the ANSI-accredited U.S. TAG Administrator for ISO/TC 34/SC 17, wishes to relinquish their role as U.S. TAG Administrator.

ISO/TC 34/SC 17 operates under the following scope:

Standardization in the field of food safety management systems, covering the food supply chain from primary production to consumption, human and animal foodstuffs as well as animal and vegetable propagation materials.

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

ISO Proposal for a New Field of ISO Technical Activity

Consumer protection – privacy by design for consumer goods and services

Comment Deadline: November 17, 2023

ISO Project Committee 317 (Consumer protection – privacy by design for consumer goods and services) has submitted a proposal to expand its work program and convert the PC into a new ISO technical committee, with the following scope statement:

Standardization of consumer protection in the field of privacy by design for products, including goods, services, and data lifecycles enabled by such products.

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on **Friday, November 17, 2023**.

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/IES Addendum c
to ANSI/ASHRAE/IES Standard 90.1-2022**

Public Review Draft

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

**Second Public Review (October 2023)
(Draft Shows Proposed Independent Substantive
Changes to Previous Public Review Draft)**

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FOREWORD

This ISC makes minor revisions to the original addendum in response to public review comments.

Note: In this addendum, changes to the previous public review draft are indicated in the text by underlining (for additions) and ~~###~~ (for deletions) unless the instructions specifically mention some other means of indicating the changes.

Addendum c to 90.1-2022

Modify the standard as follows for IP (and SI) Units:

6.4.3.1.2 Dead band

Where used to control both heating and cooling, zone *thermostatic controls* shall:

- 1) have separate *set points* for heating and cooling, each individually adjustable,
- 2) be capable of and initially configured to provide a temperature range or *dead band* between the two *set points* of not less than 5°F (3°C) within which the supply of heating and cooling energy to the zone is shut off or reduced to a minimum, and
- 3) have a ~~minimum~~ *dead band* of not less than 1°F (0.5°C) when *set points* are adjusted.

Exceptions to 6.4.3.1.2

1. *Thermostats* that require manual changeover between heating and cooling modes.
2. Special occupancy or special applications where applicable codes or accreditation standards do not permit wider temperature ranges are not acceptable (such as retirement homes, process applications, museums, some areas of hospitals, pharmacies) are permitted to be initially configured to not less than 1°F (0.5°C) *dead band*.

6.4.3.1.3 Set point Adjustment and Display

Where occupied *thermostatic control set points* are capable of being adjusted by occupants or *HVAC system* operators, the adjustment shall be independent for the heating *set point* and the cooling *set point*; when one *set point* is changed, the other shall not change except as needed to maintain the minimum *dead band* required by Section 6.4.3.1.2. When occupied set points are adjusted, set points for setback operation in accordance with Section 6.4.3.3.2 shall not change. For *thermostatic controls* that display *set points*, both the heating and cooling *set points* shall be displayed simultaneously, or the *set point* of the currently active mode (heating or cooling) shall be displayed along with an indication of that mode.

6.4.3.2 Set Point Overlap Restriction

Where heating and cooling to a zone are controlled by separate zone *thermostatic controls* located within the zone, means ~~(such as, but not limited to mechanical stops, limit switches,; mechanical stops;~~ or, for *DDC systems*, software programming,) shall be provided to prevent the heating *set point* from exceeding the cooling *set point*, minus the *dead band* required by Section 6.4.3.1.2.



**BSR/ASHRAE/IES Addendum g
to ANSI/ASHRAE/IES Standard 90.2-2018**

Public Review Draft

Proposed Addendum g to Standard 90.2-2018, High-Performance Energy Design of Residential Buildings

**Second Public Review (January 2023)
(Draft Shows Proposed Independent Substantive
Changes to Previous Public Review Draft)**

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FOREWORD

90.2's Title, Purpose, and Scope (TPS) was revised to position 90.2 as a leadership standard that can address whole building requirements (including indoor environmental quality). The 62.2/90.2 Advanced Ventilation & IAQ Work Group (WG) was organized to identify and align advanced IAQ opportunities that could integrate with 90.2's, whole-building, leadership standard approach (since 62.2 is a minimum standard). The WG met monthly between September 2020 and January 2021 and employed the U.S. Environmental Protection Agency's Indoor airPLUS v2 program as a framework. The following proposed addendum reflects the thirteen recommended additions and/or edits proposed to Standard 90.2 by the WG.

The first public review of Addendum g generated several comments, which led to various revisions to the original addendum incorporated below.

[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 g to 90.2-2018

Modify Section 7 as follows:

7.3 Indoor Environmental Quality

7.3.1 Buildings shall be thermally conditioned in accordance with ANSI/ASHRAE Standard 55.

7.3.2 *Dwelling units* shall meet all requirements of ANSI/ASHRAE Standard 62.2 except as modified by Section 7.3 of this Standard. Common spaces of multifamily residential buildings shall be mechanically ventilated in accordance with ANSI/ASHRAE Standard 62.1.

7.3.3 Buildings shall be illuminated in accordance with Section 7.5.

7.3.4 Filtration and Air Cleaning

7.3.4.1 ~~Mechanical systems that supply air~~ Prior to being supplied to an occupiable space through ducts, air shall pass through ~~be provided with~~ a filter having a designated minimum efficiency of MERV 13 or better when tested in accordance with ANSI/ASHRAE Standard 52.2 or equivalent.

- a. All filter access panels shall be equipped with gaskets or comparable sealing mechanisms and shall fit snugly against the exposed edge of the installed filter when closed to prevent bypass
- b. ~~The system shall include a nominal two-inch minimum filter depth.~~

7.3.4.2 All electronic air cleaners (i.e., electrostatic, ionizers, and ultraviolet lamps) shall meet UL Standard 2998.

7.3.5 Garages

Detached single-family dwellings, duplexes and townhouses with attached garages shall meet one of the following two requirements:

7.3.5.1 ~~Verify that the garage-to-house air barrier enclosure boundary can maintain a leakage rate less than or equal to 0.15 cfm₅₀/ft² of enclosure boundary area. There shall be two pressure differential tests to make this determination: 1) with both house and garage at a pressure difference of 50 Pa with respect to the outdoors, measure the house cfm₅₀ leakage rate and 2) with the house at a pressure difference of 50 Pa with respect to the outdoors and with all garage apertures open to the outdoors measure the house cfm₅₀ leakage rate. To comply with this provision, the difference between the test #2 cfm₅₀ measurement and the test #1 cfm₅₀ measurement divided by the garage-to-house enclosure boundary area shall meet the 0.15 cfm₅₀/ft² criteria~~
~~pressure difference of greater than 45 Pa while the home maintains a 50 Pascal pressure difference with respect to the outdoors. All operable garage openings shall be closed during this test.~~

7.3.5.2 A local mechanical exhaust system that is vented directly outdoors shall be installed in the garage to deliver a minimum flow rate of 170 m³/h (100 cfm). The system shall meet the requirements of Section 5.3 and ~~5.3.2 Continuous Mechanical Exhaust~~ of Standard 62.2- 2019~~22~~.

7.3.6 Material Emissions. Dwellings shall be constructed with materials meeting the requirements of Sections 6.1 Composite Wood; 6.2 Interior Paints, Finishes, and Coatings; 6.3 Carpets and Cushions; 6.4 Adhesives and Sealants; 6.5 Hard Surface Flooring; 6.6 Gypsum Board; and 6.7 Insulation of Indoor airPLUS New Construction (IAP-NC) Specifications Version 2.

Informative Note: Guidance from the U.S. Environmental Protection Agency on identifying products that are compliant with these specifications, including the identification of product certification and labeling programs that are acceptable, may be found at https://www.epa.gov/sites/default/files/2017-01/documents/how_to_find_compliant_low_emission_products_508.pdf

7.3.7 Radon. Dwellings shall meet the requirements of Section 2.2 Radon-Resistant Construction of Indoor airPLUS New Construction (IAP-NC) Specifications Version 2.

7.3.8 Kitchen Exhaust Hood Capture

~~Kitchen r~~Range hoods and microwave-range hoods ~~are required to be HVI or AHAM certified and to have a minimum capture efficiency of 50%, as tested~~ shall meet or exceed either the minimum airflow or the minimum capture efficiency in accordance with Table 7-2. Capture efficiency ratings shall be determined in accordance with ASTM E3087.

Table 7.2 Kitchen Range Hood Airflow Rates (cfm) and ASTM E3087 Capture Efficiency (CE) Ratings according to Kitchen Range Fuel Type

<u>Hood Over Electric Range</u>	<u>Hood Over Combustion Range</u>
<u>60% CE or 160 cfm</u>	<u>80% CE or 250 cfm</u>

Add to Section 9 as follows:

...

9.2.3 Indoor Environmental Quality.

All mechanical ventilation system equipment manufacturers' installation and maintenance instructions shall be either attached to the subject equipment or provided to the homeowner. All calculations, tests, and adjustments required by Section 7.3 shall be recorded and provided to the authority having jurisdiction and the homeowner. The contact information of any person performing such calculations, checks, test, or adjustments shall be provided to the occupant.



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

Public Review Draft

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

**First Public Review (October 2023)
(Draft Shows Proposed Changes to Current Standard)**

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FOREWORD

Standard 62.1 offers two procedures for determining minimum outdoor air intake flow: the Ventilation Rate Procedure (VRP) and the Indoor Air Quality Procedure (IAQP). The IAQP can lead to a more energy efficient design (lower outside air requirement) by incorporating gas-phase air cleaning to offset a portion of the outside air requirement under the VRP.

According to Section 6.1 of 62.1-2022, “although the intake airflow determined using each of these approaches [the VRP and the IAQP] may differ significantly because of assumptions about the design, any of these approaches is a valid basis for design.”

Despite these two procedures for determining minimum outdoor air intake flow for acceptable indoor air quality, Appendix G requires that baseline and proposed case ventilation rates be the same. As such, Appendix G does not enable design teams using the IAQP with gas-phase air cleaning to take energy credit against a design that uses the VRP and no gas-phase air cleaning. The proposed change fixes this by:

1. Introducing a new exception 5 to Section G3.2.2.4
2. Eliminating baseline case fan power adjustment for gas-phase air cleaning when applying exception 5 to G3.2.2.4
3. Adding a new section, “Gas-Phase Air Cleaning” to table G3.1 to explicitly specify that the baseline case energy model should not include gas-phase air cleaning system energy.

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

Addendum n to 90.1-2022

Modify Appendix G as follows, IP (and SI) units:

G3.2.2.4 Ventilation. Minimum ventilation system outdoor air intake flow shall be the same for the proposed design and baseline building design.

Exceptions to G3.2.2.4:

1. When modeling demand control ventilation in the proposed design in systems with outdoor air capacity less than or equal to 3000 cfm (1400 L/s) serving areas with an average design capacity of 100 people per 1000 ft² (93 m²) or less.
2. ~~When~~ Where designing systems in accordance with Standard 62.1, Section 6.2, “Ventilation Rate Procedure,” reduced ventilation airflow rates ~~may~~ are permitted to be calculated for each HVAC zone in the proposed design with a zone air distribution effectiveness (Ez) > 1.0 as defined by Standard 62.1, Table 6-24. Baseline ventilation airflow rates in those zones shall be calculated using the proposed design Ventilation Rate Procedure calculation with the following change only. Zone air distribution effectiveness shall be changed to (Ez) = 1.0 in each zone having a zone air distribution effectiveness (Ez) > 1.0. Proposed design and baseline building design Ventilation Rate Procedure calculations, as described in Standard 62.1, shall be submitted to the rating authority to claim credit for this exception.
3. Where the minimum outdoor air intake flow in the proposed design is provided in excess of the amount required by the building code or the rating authority, the baseline building design shall be modeled to reflect the greater of that required by either the rating authority or the building code and will be less than the proposed design.
4. For baseline systems serving only laboratory spaces that are prohibited from recirculating return air by code or accreditation standards, the baseline system shall be modeled as 100% outdoor air.
5. Where designing systems in accordance with Standard 62.1, Section 6.3, “Indoor Air Quality Procedure”, baseline ventilation airflow rates in those zones are permitted to be greater than the proposed design and shall be calculated in accordance with Standard 62.1, Section 6.2, “Ventilation Rate Procedure” and the following:
 - a. For single zone systems 1, 2, 3, 4, 9, 10, 11, 12, 13, as specified in Table G3.1.1-4, the zone air distribution effectiveness shall be (Ez) = 1.0 as defined by Standard 62.1, Table 6-4.
 - b. For multi zone systems 5, 6, 7, 8, as specified in Table G3.1.1-4, the system ventilation efficiency shall be (Ev) = 0.75, as defined by Standard 62.1, Section 6.4.2.3.

...

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

<table remains the same and new section is added as shown below>

19. Air Cleaning

<u>Proposed Building Performance</u>	<u>Baseline Building Performance</u>
<u>Where an air-cleaning system has been designed and submitted with design documents, components of the air-cleaning system shall be consistent with design documents.</u>	<u>Where using exception 5 to G3.2.2.4, nonparticulate air-cleaning system energy shall not be included in the baseline building performance.</u>

...

Table G3.2.2.8 Baseline Fan Brake Horsepower (Baseline Fan Motor Power)

<table unchanged>

Notes:

1. Where A is calculated according to Section 6.5.3.1.1 using the pressure-drop adjustment from the *proposed design* and the design flow rate of the baseline *building system*.
2. Do not include pressure-drop adjustments for evaporative coolers or heat recovery devices that are not required in the baseline *building system* by Section G3.2.2.9.
3. Do not include pressure-drop adjustments for nonparticulate air-cleaning systems where using exception 5 to G3.2.2.4.



**BSR/ASHRAE/IES Addendum n
to ANSI/ASHRAE/IES Standard 90.2-2018**

Public Review Draft

**Proposed Addendum n to
Standard 90.2-2018
High-Performance Energy Design
of Residential Buildings**

**First Public Review (October 2023)
(Draft Shows Proposed Changes to Current Standard)**

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FOREWORD

This proposal incorporates requirements for electric vehicle supply equipment. Requirements are partially based on a 2021 report prepared by PNNL titled “Electric Vehicle Charging for Residential and Commercial Energy Codes”

[Note to Reviewers: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~striketrough~~ (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 n to 90.2-2018

Add to Section 3.1 (IP and SI Units):

electric vehicle (EV): An automotive-type vehicle for on-road use, such as passenger automobiles, buses, trucks, vans, neighborhood electric vehicles, and electric motorcycles, primarily powered by an electric motor that draws current from a building electrical service, EVSE, on-site energy storage device(s), or another source of electric current.

electric vehicle supply equipment (EVSE): The conductors, including the ungrounded, grounded and equipment grounding conductors, and the EV connectors, attachment plugs, and all other fittings, devices, power outlets, or apparatuses installed specifically for the purpose of transferring energy between the premises wiring and the EV.

EV-capable space: A dedicated parking space which is provided with electrical panel capacity and space to support an overcurrent protective device, a branch circuit for each EV parking space, and the installation of raceways or electrical conductors, both underground and surface mounted, to support the EVSE.

Modify the standard as follows (IP and SI Units):

5.4 Alteration requirements

When existing *dwelling units* that do not have an *EVSE* installed, an *EV-capable space*, or meet the requirements of Table 7-4 undergo a *substantial energy alteration*, consideration shall be made as to whether installation of electrical conductors, conduit, and junction boxes are practical to support future *EVSE* installation. When a *substantial energy alteration* requires an increase to the building electrical service equipment, future *EV-capable space(s)* shall be included as part of the electrical load calculation for the new equipment.

...

6.4 ERI with Electric Vehicles

Energy utilized for EV charging shall be excluded from the ERI calculation

...

7.5.4.2 Parking Garages and Parking Lots Serving Multifamily Structures

- a. Parking garages shall comply with ASHRAE/IES Standard 90.1, Section 9.4.1.2 and Table 9.5.1, if using the Building Area Method, or Section 9.4.1.2 and Table 9.6.19.5.2.1-1 if using the Space-by-Space Method.
- b. Parking lots shall comply with ASHRAE/IES Standard 90.1, Sections 9.4.1.4 and 9.4.2.
- c. Parking garages and parking lots shall comply with Section 7.6.7.

...

7.6.7 Plug-in EV charging

7.6.7.1 Where parking is provided, EVSE-installed spaces shall be provided and future installation and use of EVSE shall be facilitated through the provision of EV-capable spaces provided in compliance with Sections 7.6.7.1 through 7.6.7.5 and Section 9.1.9. Where more than one parking facility is provided on a site, EV parking spaces shall be calculated separately for each parking facility. The service panel or subpanel circuit directory shall identify the spaces reserved to support EV charging as “EV-Capable”. The raceway location for EV-capable spaces shall be permanently and visibly marked as “EV-Capable”.

Exception: This section does not apply to parking spaces used exclusively for trucks or delivery vehicles.

7.6.7.2 One- to two-family dwellings and townhouses. For each dwelling unit, provide at least one parking space with an EVSE installed. If there are fewer parking spaces than dwelling units, all parking spaces, if any, shall have an EVSE installed.

7.6.7.3 Multifamily dwellings (three or more units). EVSE-installed and EV-capable spaces shall be provided in accordance with Table 7-4. Where the calculation of percent served results in a fractional parking space, it shall round up to the next whole number.

Table 7-4 EVSE Installed and EV Capable Space Requirements for Multifamily Buildings

<u>Number of parking spaces</u>	<u>Minimum Spaces with EVSE Installed^a</u>	<u>Minimum EV-Capable Spaces</u>
<u>1-9</u>	<u>100%</u>	<u>=</u>
<u>10-24</u>	<u>50%</u>	<u>50%</u>
<u>25+</u>	<u>25%</u>	<u>75%</u>
<u>(a). EVSE-installed spaces that exceed the minimum requirements in the table shall be permitted to be counted as EV-capable spaces for table compliance.</u>		

7.6.7.4 EV Charging System Capacity. The equipment load(s) on the electrical distribution equipment supplying the branch circuit(s) serving spaces with EVSE installed or EV-capable spaces shall be capable of supplying 7.4 kVA full continuous load for each space. Where there are 10 or more spaces with EVSE installed and an EV energy management system is used to control the load to each parking space, the electrical distribution equipment supplying the branch circuit(s) shall be capable of supplying 3.8 kVA full continuous load for each space simultaneously with all spaces drawing power and 7.4 kVA full continuous load for each space when not greater than half of all spaces are drawing power.

7.6.7.5 EV Charging Circuit Capacity. Each branch circuit serving multiple *EVSE*-installed spaces, *EV*-ready spaces or *EV-capable spaces* shall be capable of supplying a minimum capacity of 7.4 kVA continuous duty.

...

9.1.9 EV Charging Verification. Construction documents shall indicate the raceway termination point and proposed location of future *EV* spaces and *EV* chargers. Construction documents shall also provide information about the amperage of future *EVSE*, raceway methods, wiring schematics, and electrical load calculations to verify that the electrical panel service capacity and electrical system, including any on-site distribution transformers, have sufficient capacity to meet the requirements of Section 7.6.7.

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NSF/ANSI Standard For Wastewater Technology –

Disinfection Mechanics

-
-
-

8 Ozone disinfection devices

8.1 Scope

This section establishes the requirements for devices used to diffuse controlled amounts of ozone into the effluent of secondary treated wastewater for the purposes of disinfecting wastewater.

8.2 Model series classification

Ozone disinfection devices within a manufacturer's model series shall be classified according to the performance testing and evaluation of the most representative model within the series. The series shall be comprised of ozone disinfection devices proportionally similar in design, construction, and materials, and proportionally equivalent in dimension, to the rate of ozone generation.

Ozone disinfection devices shall be tested with the contact chamber size which provides the greatest challenge in meeting the performance criteria in this standard. The manufacturer shall present reasonable documentation describing why the chosen size is the most challenging. The manufacturer shall provide specifications regarding minimum and maximum acceptable water levels to be maintained in the contact chamber in addition to any important ratios which are to be maintained during operation such as diameter-to-depth ratios, perimeter-to-depth, or volume-to-depth. Performance testing and evaluation of other model sizes within the series are not necessary, provided that the dimensions, hydraulics, mixing, and other applicable design characteristics are proportionally similar to the evaluated system.

8.3 Design and construction

All ozone disinfection devices shall comply with the requirements of Sections [8.3](#) through [8.5](#).

NOTE- - For ozone systems intended for indoor use, OSHA regulations should be followed. Ozone is considered toxic above certain concentrations in air. If the ozone concentration in the water exceeds the equilibrium state, the excess ozone will be emitted into the air. The Occupational Safety and Health Administration (OSHA) has set a short-term exposure limit of 0.3 ppm (0.6 mg/m³) and long-term exposure limit 0.1 ppm (0.2 mg/m³) time weighted average, over 8 h/d, 5 d/wk.

When the equipment is located in an enclosed room, consideration should be given to having adequate exhaust in case of ozone releases. The exhaust system should provide a minimum of three air changes

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per hour to comply with the OSHA limits. In addition, an ambient air ozone monitor should be installed. Ozonation systems, which operate under vacuum, should not present a danger of ozone leaks into the treatment room.

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8.6 Performance testing and evaluation

Performance testing and evaluation of ozone disinfection devices shall consist of the following procedures:

- life test (see Section [8.6.1](#)); and
- microbiological organism deactivation test (see Section [8.6.1.2](#)); and
- ~~ozone loss test (see Section [8.6.3](#)).~~

Rationale – note the ozone loss test moved from 8.6.3 to 8.6.2 due to another section being removed.

These tests shall be conducted on one ozone disinfection device.

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~~8.6.2 Ozone loss evaluation~~

~~The test setup shall simulate an ozone disinfection device installed between a treatment device and a pump vault in accordance with the manufacturer's installation instructions. An ozone detector shall be installed near the inlet to the ozone disinfection device to detect ozone gas feeding back into the treatment device. A second ozone detector shall be installed near the discharge of the contact chamber to monitor ozone discharge through the outlet of the contact chamber. The detectors shall be mounted above and within 0.3 m (1 ft) in all directions of the invert of the pipe. In the event of multiple inlets or outlets, all inlets and outlets shall be monitored for ozone loss. Readings from the detectors shall be measured and recorded on three separate days evenly spaced throughout the life test (one day during the 1st, 14th, and 26th week of testing).~~

~~The ozone loss evaluation shall be conducted simultaneously with the ozone disinfection test and microbiological organism deactivation test. All data collected during this test shall be included in the final report and will not be used as criteria for the performance evaluation.~~

Rationale: The WWT Task Group on 385 determined the loss evaluation testing was not needed and elected to strike this section while including informative language in 8.3.

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[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 Standard For Wastewater Technology –

Disinfection Mechanics

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6 Chlorine disinfection devices

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6.5 Performance testing and evaluation

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6.5.2 Life test

Chlorine dispensers shall be capable of operating for at least 30 d without maintenance. It is permissible for the life test to be completed on the same chlorine disinfection device evaluated for chlorine resistance or on a completely different chlorine disinfection device:

- chlorine disinfection devices shall be assembled, installed, and operated in accordance with the manufacturer's specifications;
- the manufacturer shall specify all key elements for effective chlorination, including but not limited to, design flow conditions, minimum contact time, and minimum contact tank volume. If a chlorine dispenser is submitted for testing without a manufacturer-specified mixing tank or contact chamber, it shall be tested and evaluated by attaching the chlorine dispenser to a ~~default tank (hereinafter referred to as "test contact chamber"). This tank shall be a mixing tank or contact chamber of the minimum volume and flow path specified by the manufacturer~~ tank supplied by the test site that meets the minimum volume and flow path specified by the manufacturer;
- the manufacturer shall specify the maximum and minimum wastewater flow capacity for which the chlorine disinfection device is designed, and minimum contact time required between the wastewater and the chlorine disinfectant;
- the manufacturer shall specify the minimum feed rate required for successful treatment when the chlorine dispenser is loaded at the minimum flow capacity and the minimum feed rate required for successful treatment when the chlorine dispenser is loaded at the maximum flow capacity. Testing shall be completed with the minimum feed rate specified for the maximum flow capacity; and
- the manufacturer shall specify the acceptable brand name and minimum concentration of chlorine to be used in the chlorination disinfection device. The test shall be repeated for alternate chlorine products, if varying in formulation, size, or chlorine concentration.
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NSF/ANSI/CAN Standard
for Drinking Water Additives –

Drinking Water System Components – Health Effects

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9 Mechanical plumbing devices

9.1 Coverage

This section covers mechanical plumbing devices, components, and materials that are typically installed within the last liter of the distribution system (endpoint devices) and are intended to dispense water for human ingestion. In-line devices are excluded from this section and are covered under Section 8. POU and POE water treatment devices are excluded.

9.1.1 Endpoint devices specifically included in the coverage of this section are:

- remote chillers;
- lavatory faucets (e.g., centersets, widespread, mini-spread, and basin cocks), except as exempted in Section 9.1.2;
- bar faucets;
- kitchen faucets (e.g., top mounts and wall mounts);
- hot and cold water dispensers;
- drinking fountains, drinking fountain bubblers, and water coolers;
- glass fillers;
- residential refrigerator ice makers **and water dispensers**;
- **standalone, residential plumbed-in ice maker devices**;
- flexible plumbing connectors and flexible risers intended for potable water applications;
- supply stops and endpoint control valves; and
- commercial kitchen devices (see Section 9.2.3), limited to the following:
 - pot and kettle fillers (see Section 9.2.7);

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- devices with extended standpipes or risers (see Section 9.2.5); and
- prerinse assemblies that include an auxiliary spout or other outlet.

NOTE 1 — Only the commercial kitchen devices listed above shall be evaluated using the 18.9 L (5 gal) normalization.

NOTE 2 — The base device to which the prerinse component is added shall be considered a commercial kitchen device only if it meets the definition of either a pot and kettle filler (see Section 9.2.7) or a device with extended standpipes or risers (see Section 9.2.5).

9.1.2 Endpoint devices specifically exempted from the coverage of this standard are:

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9.4 Exposure and normalization

Samples for testing shall be prepared and exposed, and the extractant water analyzed as required in Section N-1.5. The number of samples tested shall be determined as outlined in Section N-1.5.

Exposure of endpoint samples, except for hot water dispenser samples, shall be performed at 23 ± 2 °C (73 ± 4 °F).

For kitchen faucets with side spray components, the side spray component shall be prepared and exposed simultaneously with the remainder of the device. At the option of the manufacturer, a separate exposure may be performed for the side spray component.

For all water dispensers and residential ice makers that include a filter, the filter and the filter head and filtration bypass components shall be excluded from evaluation under this Section, as these are considered Point of Use water treatment devices.

Only those components of the residential ice maker that contact liquid water shall be considered “wetted” and subject to evaluation under this standard. Removable ice trays, pitchers, or other removable refrigerator accessories shall not be considered subject to evaluation under this standard.

The concentration of extracted contaminants shall be normalized to end use conditions according to the normalization procedure outlined in Section N-1.8 for endpoint devices, components, and materials. All endpoint devices, components, and materials other than commercial kitchen devices shall be evaluated using the highest surface area-to-volume product as the test sample, and shall be normalized using the 1-L (0.26-gal) first draw. Commercial kitchen devices shall be evaluated using the highest surface area-to-volume product as the test sample, and shall be normalized using the 18.9-L (5-gal) first draw.

9.5 Evaluation of normalized contaminant concentrations

Rationale: Add language to clarify that refrigerator water dispensers are included in the scope of Section 9 and clearly define which components are covered and excluded from the evaluation. Language is also added to include standalone residential plumbed in ice makers to the scope of Section 9.

BSR/UL 795, Standard for Safety for Commercial-Industrial Gas-Fired Package Boilers

1. Proposed new edition of the Standard for Commercial-Industrial Gas-Fired Package Boilers, UL 795, as a joint Canada-US standard

PROPOSAL

1.1 These requirements apply to factory-built gas-fired package boilers having input ratings of more than 400,000 Btu/h (117,228 W), per individual combustion chamber, having the following:

a) For United States: inlet/supply gas pressures up to 15 psi (103 kPa), and intended primarily for commercial and industrial installation;

b) For Canada: inlet/supply gas pressures >0.5 psi (3.4 kPa) up to 15 psi (103kPa), and intended primarily for commercial and industrial installation.

1.2 These requirements also apply to all high pressure steam and high temperature water gas-fired boiler assemblies regardless of Btu/h (kW) input or inlet/supply pressure.

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BSR/UL 514B, Standard for Safety for Conduit, Tubing, and Cable Fittings**4. (PR30353) Distributed Generation (DG)- Cable FITTINGS (1.8, Section 7.20)****PROPOSAL**

1.8 These requirements cover cable fittings that are intended to be used with:

- a) specific corresponding single-conductor PV wire or distributed generation DG in the US and Mexico; and types ~~RPV~~ or RPVU cable, of all sizes in Canada.
- b) distributed generation Type DG cables in the US and Mexico; and
- c) Type ~~RPV~~ and RPVU cable of all sizes in Canada.

Note 1: In US and Mexico, Distributed Generation DG cable is a multi-conductor, nonintegrally jacketed, cable intended for use in distributed generation applications with specific equipment/devices such as photovoltaic modules, inverters, rapid shutdown equipment, solar trackers, etc. In the US and Mexico, Type DG cable is evaluated in accordance with *Outline of Investigation for Distributed Generation Cables, UL 3003*.

Note 2: In Canada, Types "~~RPV~~" and/or "RPVU" rated" cables are evaluated in accordance with CSA C22.2 No. 271 Photovoltaic cables.

Note 3 In the US and Mexico, Type PV wire is evaluated in accordance with *Outline of Investigation for Distributed Generation Cables, UL 3003*.

7.20 Distributed generation DG cable FITTINGS in the US and Mexico

7.20.1 A DG cable FITTING or the smallest unit shipping carton shall be marked with the shape and diameter of the smallest and largest distributed generation Type DG cable for which the FITTING is rated. For oval cables, the diameter of both the minor and major axis of the smallest and largest distributed generation Type DG cable shall be marked.

7.20.2 FITTINGS that comply with 8.41.1.1 and 8.41.1.2 shall be marked "Sunlight Resistant."

7.20.3 FITTINGS that optionally comply with the oil spray test described in 8.41.5 may be marked "Oil Resistant I" or "Oil Resistant II."

7.20.4 A FITTING for DG ~~RPV~~ and RPVU cable shall be marked "for use with DG ~~RPV~~ and RPVU cable rated _XX°C" when the FITTING is rated above 60°C (140°F). The XX shall be filled in with the temperature rating declared by the manufacturer.

7.20.5 FITTINGS for distributed generation cable DG

7.20.5.1 A FITTING intended for use with distributed generation Type DG ~~RPV~~ and RPVU shall be marked for the specific size, type, with its voltage rating and configuration of "Distributed Generation Cable Only" or "DG ~~RPV~~ and RPVU only."

7.20.5.2 A FITTING intended for use solely with distributed generation Type DG ~~RPV~~ and RPVU shall be marked for the specific size, type, with its voltage rating and configuration of "Distributed Generation Cable Only" or "DG ~~RPV~~ and RPVU only."

BSR/UL 773A, Standard for Safety for Nonindustrial Photoelectric Switches for Lighting Control

1. Requirements for Push-in Type Terminals

PROPOSAL

2.5.4 TERMINAL, PUSH-IN - A terminal where the stripped end of a conductor is pushed into the terminal and the clamping pressure is maintained by a spring mechanism, without the use of screws.

8.1.12A A push-in (screwless) terminal shall comply with the performance requirements in Push-In Terminal Test, Clause 34A and Push-In Temperature Test, Clause 34B and shall be:

- a) For use with a solid copper conductor;
- b) For a current-carrying connection only, not for grounding; and
- c) Marked as indicated in item 28 of Table 42.1.

8.1.12B Push-in terminals intended for use on branch circuit wiring shall be designed so that they will permit the use of a solid 14 AWG (2.1 mm²) conductor but will reject a 12 AWG (3.3 mm²) or larger solid conductor. The opening provided for the conductor shall reject a No. 48 drill rod, 1.981 ±0.0076 mm (0.076 ±0.0003 inch) in diameter. The rod shall be applied with 22 N (5 lbf). Openings, other than those intended for wire termination, such as wire release openings, shall not permit electrical contact to be made with a 14 AWG (2.1 mm²) conductor.

8.1.12C A switch employing "push-in" terminations may be provided with a means to release the conductors. Where an opening in the insulating body is provided for such purpose behind the plane of the mounting means, it shall not permit entry of a 14 AWG (2.1 mm²) solid conductor. The wire release means, if provided, shall be subject to the Push-In Terminal Tests, Clause 34A.

8.1.12D A release mechanism shall be located or guarded so that it cannot be unintentionally actuated during installation. The release mechanism may be guarded by recessing, ribs, barriers, or the like.

34A Push-in Terminal Test

34A.1 A push-in (screwless) terminal shall withstand, without pull-out or breakage of the conductor, the application of a straight pull, applied for 1 minute and as further described in Clause 34A.2.

34A.2 14 AWG (2.1 mm²) conductors shall be connected to both terminals of one circuit in each of six devices in accordance with the manufacturer's instructions. Each conductor shall be subjected to a gradually increasing pull force which is to be maintained at 90 N (20 lbf) for a duration of 1 minute. Untested devices may be used for this test.

34B Push-in Temperature Test

34B.1 A push-in (screwless) terminal shall perform with a temperature rise of the attached conductor that shall not exceed 30°C (54°F), based on an ambient temperature of 25°C (77°F), with the terminal connection carrying maximum rated current of the switch.

34B.2 Separate sets of six previously unused switches shall be assembled with solid copper wire, using 14 AWG (2.1 mm²). Internal components of the switches, including the switching mechanism, may be short-circuited by means of a soldered shunt.

34B.3 The terminals of a switch employing a release mechanism shall be subjected to a conditioning regimen consisting of nine insertions and withdrawals of a conductor of the size and type to be used for

the test. A tenth insertion of a newly stripped, previously unused length of wire shall be made and left in place for the test.

34B.4 With the devices connected as described in Clauses 34A.4 and 34A.5, the nominal current shall be passed through the assemblies.

34B.5 The assemblies shall be continued under test for 30 days without interruption. Temperature values shall be measured at the end of each working day.

34B.6 The test described in this section may be conducted in conjunction with the temperature test, Clause 22.

Table 42.1
Markings and instructions

Ref	Type of Devices	Statement	Marking	Location
26	All devices	Supply connection size and temperature marking For supply connections use ___ AWG or larger wires suitable for at least ___°C The temperature value shall be in accordance with the following: 75°C – marking for 75°C conductor 90°C – marking for 90°C conductor	For supply connections use ___ AWG or larger wires suitable for at least ___°C	On the product and instruction sheet
27	Devices with flexible cord or cable	With reference to 8.3.1(c), a flexible cord or cable for use on a unit intended for outdoor use shall be marked with a Type designation with a suffix "W."	Type designation with a suffix "W."	Flexible cord or cable
28	<u>All permanently connected Devices</u>	With reference to 8.1.12A (c), a) <u>Where readily visible during installation:</u> <ul style="list-style-type: none"> • <u>instructions for connecting acceptably sized wire</u> • <u>instructions to strip the insulation from conductors a specific length.</u> b) <u>Where readily visible during wiring and rewiring:</u> <ul style="list-style-type: none"> • <u>Instructions for disconnecting a wire from the terminal.</u> 	<u>"No.14 AWG solid copper wire only"</u>	<u>All markings shall be on the product</u>

BSR/UL 923, Standard for Safety for Microwave Cooking Appliances

1. Bottom Hinged Exception from Two Action Door Open Requirement

PROPOSAL

36A Child Resistant Oven Door

36A.1 General

36A.1.1 The user shall be required to perform two distinct actions to open a door that provides access to the oven cavity. Actions such as slide and pull or twist and push are examples of actions which generally comply with the intent of the requirement. For touch-type controls, touching two different touch pads but not the same touch pad twice meets the intent of the requirement.

Note: A door design that requires two distinct actions to open the door during any heating cycle and for a period of 30 minutes after a heating cycle to provide access to the oven cavity meets the intent of this requirement.

Exception: This section does not apply on the following product types:

a) *Over-the-cooktop or under-cabinet mounted ovens provided the manufacturer's installation instructions is marked in accordance with [74.6](#).*

b) *Built-in or wall-mounted ovens provided either:*

- 1) *The manufacturer's installation instructions are marked in accordance with [74.7](#);*
- 2) *The product has a bottom-hinged door; or*
- 3) *The product is a drawer microwave.*

c) *Microwave ovens intended for commercial use only, and marked in accordance with 71.1.3(f).*

d) Household, countertop microwave ovens employing a bottom-hinged door provided the manufacturer's installation instructions are in accordance with 74.7 and 74.8, and complies with the requirements of clause 36A.2.1.1

36A.2 Door handle force test

36A.2.1 An oven employing a side-hinged door, or a bottom-hinged door and not complying with exception (d) in 36A.1.1, that requires a pulling motion to open the door and that may be installed on a countertop shall be subjected to a force on the door handle (or grip point) per test procedure in 36A.2.2 – 36A.2.4. During this test the door shall not open and the appliance shall not move on the test surface.

36A.2.1.1 A countertop oven employing a bottom-hinged door, complying with exception (d) in 36A.1.1, that requires a downward pulling motion to open the door shall be subjected to a force on the door handle (or grip point) per test procedure in 36A.2.2 – 36A.2.4. During this test the door shall be opened to the maximum extension and the appliance shall not tilt more than 10° in relation to the countertop.

36A.2.4 A force gauge or weight shall be used to apply a 10 pound force to the center of the door handle (without actuating the two distinct steps). The force shall be applied normal to the front surface of the door at the proper location based on the door opening type.

74.7 The installation instructions provided with a ~~built-in microwave oven or wall-mounted microwave oven~~ that is required to be marked in accordance with 36A.1.1, Exception (b) or Exception (d), shall specify a minimum installation height of 36 in (914 mm) above the floor level.

74.8 The installation instructions provided with a microwave oven that is required to be marked in accordance with 36A.1.1, Exception (d), shall specify a minimum installation distance of 5 in (127 mm) as measured from the front edge of the kitchen counter to the product front surface.

2. Revision to the concealed door interlock test method

PROPOSAL

10.1 Opening the door of a microwave oven cooking appliance shall operate a minimum of two door interlocks. At least one door interlock on a fully assembled microwave oven shall not be operable by any part of the human body, or any object with a straight rod 0.1 inch (3 mm) in diameter and insertable length of 3.9 in (99.6mm).

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3. Type Color of the Burn Hazard Label for Child Resistant Microwave Oven Door

PROPOSAL

72.4 All microwave ovens shall be provided with a permanent marking in a location that is clearly visible to the user when the door is open. The marking shall be placed on the vertical surface directly behind the door as shown in Figure 72.1. The wording shall be as shown in Figure 72.2, or the equivalent. The height of the capital letters in the message shall be 0.1 in (2.54 mm) minimum. The height of "WARNING" shall be a minimum of 1.5 times the height of the letters in the message. The type of color of the label shall be in accordance with the Standard for Product Safety Signs and Labels, ANSI Z535.4. Lettering shall be black. The background of the message block shall be white or silver, or alternatively, lettering shall be white on a black background. and the background in the warning block shall be The warning lettering shall be in black on an orange background.

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BSR/UL 1322, Standard for Fabricated Scaffold Planks and Stages

1. Statement for Safety

PROPOSAL

PERFORMANCE

Note: The test methods specified herein may require the use of equipment that could be hazardous. When conducting performance testing, appropriate safety measures should be taken into consideration such as personal protective equipment, lockout tagout, etc., based on the risk to the person(s) and testing environment during setup and while performing the tests. It is the responsibility of the user of this Standard to establish appropriate health and safety practices in conjunction with any applicable regulatory requirements prior to its use.

7 Bending Test

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