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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.

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

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

New Standard

BSR/AHRI Standard 1210-202x (SI/I-P), Performance Rating of Variable Frequency Drives (new standard)

Stakeholders: Groups and individuals known to be, or who have indicated that they are, directly and materially affected by the standard, including manufacturers, testers, regulators and trade or professional organizations.

Project Need: The intended revisions for the project include: revise power source requirements to align with ASHRAE, update drive system efficiency to power drive system efficiency, update the test motor section, update utilization voltages, update motor thermal equilibrium definition to align with ASHRAE, and add reference for synchronous motors.

Interest Categories: Component Manufacturer, General Interest, Product Manufacturer, Testing Laboratory

The purpose of this standard is to establish for variable frequency drives (VFDs): definitions; classifications; general test requirements; rating requirements; minimum data requirements for published ratings; marking and nameplate data; and conformance conditions. This standard applies to encased direct expansion vapor compression type Mechanical Transport Refrigeration Units with the following components: Compressor, Air-cooled condenser, Refrigerant flow control(s), Forced-Circulation Air-Cooler, Base or frame, Prime Mover as described in the unit manufacturer's literature, Power Train (coupling, power take-off, transmission, V-belt drive, etc.) connecting the unit to the Prime Mover

ARESCA (American Renewable Energy Standards and Certification Association)

George Kelly <secretary@aresca.us> | 256 Farrell Farm Road | Norwich, VT 05055 www.aresca.us

National Adoption

BSR/ARESCA 61400-1-202x, Wind energy generation systems - Part 1: Design requirements (identical national adoption of IEC 61400-1:2019)

Stakeholders: U.S. wind developers and investors, Certified Verification Agents (CVAs), Bureau of Safety and Environmental Enforcement (BSEE), Bureau of Ocean Energy Management (BOEM), U.S. Department of the Interior (DOI)

Project Need: The ambitious plans for development of wind energy projects requires a consistent and comprehensive set of industry-based consensus standards. This IEC document is directly applicable as an ANS for such projects.

Interest Categories: End users, OEMs, Industry, General interest

Identical adoption of IEC.

ARESCA (American Renewable Energy Standards and Certification Association)

George Kelly <secretary@aresca.us> | 256 Farrell Farm Road | Norwich, VT 05055 www.aresca.us

National Adoption

BSR/ARESCA 61400-24-202x, Wind energy generation systems - Part 24: Lightning protection (identical national adoption of IEC 61400-24:2019)

Stakeholders: U.S. wind developers and investors, Certified Verification Agents (CVAs), Bureau of Safety and Environmental Enforcement (BSEE), Bureau of Ocean Energy Management (BOEM), U.S. Department of the Interior (DOI)

Project Need: The ambitious plans for development of wind energy projects requires a consistent and comprehensive set of industry-based consensus standards. This IEC document is directly applicable as an ANS for such projects.

Interest Categories: End users, OEMs, Industry, General interest

Identical adoption of IEC

ARESCA (American Renewable Energy Standards and Certification Association)

George Kelly <secretary@aresca.us> | 256 Farrell Farm Road | Norwich, VT 05055 www.aresca.us

National Adoption

BSR/ARESCA 61400-26-1-202x, Wind energy generation systems - Part 26-1: Availability for wind energy generation systems (identical national adoption of IEC 61400-26-1:2019)

Stakeholders: U.S. wind developers and investors, Certified Verification Agents (CVAs), Bureau of Safety and Environmental Enforcement (BSEE), Bureau of Ocean Energy Management (BOEM), U.S. Department of the Interior (DOI)

Project Need: The ambitious plans for development of wind energy projects requires a consistent and comprehensive set of industry-based consensus standards. This IEC document is directly applicable as an ANS for such projects.

Interest Categories: End users, OEMs, Industry, General interest

Identical adoption of IEC

ASTM (ASTM International)

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

New Standard

BSR/ASTM E2159-202x, Standard Guide for Selection, Assignment, and Monitoring of Persons To Be Utilized as Assessors/Auditors or Technical Experts (new standard)

Stakeholders: Accreditation Bodies Industries

Project Need: This guide provides guidance to organizations that need to utilize persons to perform assessments/audits (assessing bodies) of other organizations (assessed bodies) for purposes of recognition, accreditation or other type of approval to perform a function.

Interest Categories: Interest Categories: Producer, User, General Interest

In a situation where an organization is performing an evaluation of another, either formally or informally, the single most important element in the evaluation may well be the selection and assignment of a properly qualified assessor/assessment team to perform an on-site assessment. Therefore, it is imperative that the person(s) performing the assessment be selected and assigned with care by the assessing organization. Two basic types of individuals normally participate in an on-site assessment: assessors/auditors and technical experts; each perform separate functions (see definitions).

ASTM (ASTM International)

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

New Standard

BSR/ASTM WK85899-202x, New Test Method for Determining Fire Propagation of Exterior Wall Assemblies Using a Direct Flame Impingement Exposure (new standard)

Stakeholders: Fire Industries

Project Need: This standard test method will provide additional information regarding the performance of nominally combustible cladding materials once ignited by an exterior source (in this case, a flame impingement exposure).

Interest Categories: Interest Categories: Producer, User, General Interest

This fire-test-response standard prescribes a method to assess the fire propagation performance of a vertically oriented specimen exposed to direct flame impingement in a simulated external fire exposure, such as those encountered in a 'Wildland Urban Interface' scenario.

ASTM (ASTM International)

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

New Standard

BSR/ASTM WK85965-202x, New Specification for Padded Athletic Undergarments (new standard)

Stakeholders: Sports Equipment, Playing Surfaces, and Facilities Industries

Project Need: Currently there is no existing standard that covers or evaluates the protective performance of these garments.

Interest Categories: Producer, User, General Interest

This specification will develop laboratory equipment, procedures, and basic requirements pertinent to testing the performance of padded athletic undergarments.

NEMTAC (Non-Emergency Medical Transportation Accreditation Commission)

Peter Hicks <phicks@nemtac.co> | 2307 S Rural Road | Tempe, AZ 85282 www.nemtac.co

New Standard

BSR/NEMTAC 1004-202X, Certified Transport Specialist (new standard)

Stakeholders: non-emergency medical transportation providers, stretcher transport services, wheelchair van transportation services, passengers/consumers, discharge planners, social workers, doctors, home healthcare providers, insurance plans, non-emergency medical transportation brokers, regulators, taxi services, transportation network companies

Project Need: With the training requirements varying from state to state, we believe it is important to develop a standard which transportation providers, payers, and regulators may use to determine the qualification of the individuals responsible for operating NEMT vehicles.

Interest Categories: non-emergency medical transportation providers, stretcher transport services, wheelchair van transportation services, passengers/consumers, discharge planners, social workers, doctors, home healthcare providers, insurance plans, non-emergency medical transportation brokers, regulators, taxi services, transportation network companies

This project aims to create a set of educational requirements for drivers who offer non-emergency medical transport. These requirements will need to be met in order for drivers to receive certification as a certified transportation specialist. The goal is to design a framework that includes necessary educational content to ensure that drivers are appropriately qualified to transport passengers for their medical needs. The education may involve a combination of existing training programs or completely new content, as long as it meets the standards set forth by this framework.

NFPA (National Fire Protection Association)

Dawn Michele Bellis <dbellis@nfpa.org> | One Batterymarch Park | Quincy, MA 02169 www.nfpa.org

Revision

BSR/NFPA 470-202x, Hazardous Materials/Weapons of Mass Destruction (WMD) Standard for Responders (revision of ANSI/NFPA 470-2022)

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

This standard provides minimum requirements for personnel responding to incidents involving hazardous materials and weapons of mass destruction (WMD). 1.1.1 Even numbered Chapters 4 through 44 identify the minimum levels of competence required by responders to emergencies involving hazardous materials/WMD. 1.1.1.1 Even numbered Chapters 4 through 44 apply to any individual or member of any organization who responds to hazardous materials/WMD incidents. 1.1.1.2 Even numbered Chapters 4 through 44 cover the competencies for Awareness Level Personnel, Operations Level Responders, Hazardous Materials Technicians, Incident Commanders, Hazardous Materials Officers, Hazardous Materials Safety Officers, and other Specialist Employees. 1.1.2 Odd numbered Chapters 5 through 45 identify the minimum job performance requirements (JPRs) for personnel at the scene of a hazardous materials/WMD incident at the following levels: awareness, operations, operations mission-specific, Hazardous Materials Technician, and Incident Commander. 1.1.3 Chapters 6 through 46 identify the levels of competence required of emergency medical services (EMS) personnel who respond to incidents involving hazardous materials or WMD. 1.1.3.1 Chapters 46 through 48 cover the requirements for all levels of certified EMS personnel in the out-of-hospital setting. 1.1.3.2 Chapter 46 is based on the premise that all emergency medical responder (EMR) and...

NFPA (National Fire Protection Association)

Dawn Michele Bellis <dbellis@nfpa.org> | One Batterymarch Park | Quincy, MA 02169 www.nfpa.org

Revision

BSR/NFPA 475-202x, Recommended Practice for Organizing, Managing, and Sustaining a Hazardous Materials/Weapons of Mass Destruction Response Program (revision of ANSI/NFPA 475-2022)

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 This recommended practice provides the minimum criteria for organizing, managing, and sustaining a hazardous material response program (HMRP) based on the authority having jurisdiction's (AHJ) function and assessed level of risk.

1.1.1 A review of the laws, regulations, consensus standards, and guidance documents in addition to guidance for risk assessment, HMRP planning, resource management, staffing, training, health and medical issues, financial management, programs influences, and developing relationships are covered in this recommended practice.

NFPA (National Fire Protection Association)

Dawn Michele Bellis <dbellis@nfpa.org> | One Batterymarch Park | Quincy, MA 02169 www.nfpa.org

Revision

BSR/NFPA 1000-202x, Standard for Fire Service Professional Qualifications Accreditation and Certification Systems (revision of ANSI/NFPA 1000-2022)

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/tclass> for more information about our classifications

This standard establishes the minimum criteria for the following:

- (1) Accrediting bodies
- (2) Assessment and validation of the process used to certify fire service, public safety, and related personnel to professional qualifications standards
- (3) Nonengineering, fire-related, academic, degree-granting programs offered by institutions of higher education

NFPA (National Fire Protection Association)

Dawn Michele Bellis <dbellis@nfpa.org> | One Batterymarch Park | Quincy, MA 02169 www.nfpa.org

Revision

BSR/NFPA 1006-202x, Standard for Technical Rescue Personnel Professional Qualifications (revision of ANSI/NFPA 1006-2021)

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/tclass> for more information about our classifications

This standard establishes the minimum job performance requirements (JPRs) necessary for fire service and other emergency response personnel who perform technical rescue operations. A.1.1 The committee believes that this document specifies the minimum standards for technical rescuers. The committee recognizes that emergency services organizations might have to invest considerable resources to provide the equipment and training needed to perform technical rescues safely and efficiently. The committee does not mean to imply that organizations with limited resources cannot provide technical rescue services, only that the individuals charged with performing technical rescues be qualified at the operations or technician level according to this standard.

NFPA (National Fire Protection Association)

Dawn Michele Bellis <dbellis@nfpa.org> | One Batterymarch Park | Quincy, MA 02169 www.nfpa.org

Revision

BSR/NFPA 1033-202x, Standard for Professional Qualifications for Fire Investigator (revision of ANSI/NFPA 1033-2022)

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/tclass> for more information about our classifications

This standard shall identify the minimum job performance requirements (JPRs) for fire investigators.

NFPA (National Fire Protection Association)

Dawn Michele Bellis <dbellis@nfpa.org> | One Batterymarch Park | Quincy, MA 02169 www.nfpa.org

Revision

BSR/NFPA 1140-202x, Standard for Wildland Fire Protection (revision of ANSI/NFPA 1140-2022)

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/tclass> for more information about our classifications

This standard provides the minimum requirements for wildland fire management and the associated professional qualifications for wildland fire positions.

NFPA (National Fire Protection Association)

Dawn Michele Bellis <dbellis@nfpa.org> | One Batterymarch Park | Quincy, MA 02169 www.nfpa.org

Revision

BSR/NFPA 1142-202x, Standard on Water Supplies for Suburban and Rural Firefighting (revision of ANSI/NFPA 1142-2022)

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/tclass> for more information about our classifications

This standard identifies a method of determining the minimum requirements for alternative water supplies for structural firefighting purposes in areas where the authority having jurisdiction (AHJ) determines that adequate and reliable water supply systems for firefighting purposes do not otherwise exist. 1.1.2 An adequate and reliable municipal-type water supply is one that is sufficient every day of the year to control and extinguish anticipated fires in the jurisdiction, particular building, or building group served by the water supply.

NFPA (National Fire Protection Association)

Dawn Michele Bellis <dbellis@nfpa.org> | One Batterymarch Park | Quincy, MA 02169 www.nfpa.org

Revision

BSR/NFPA 1145-202x, Guide for the Use of Class A Foams in Fire Fighting (revision of ANSI/NFPA 1145-2022)

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/tclass> for more information about our classifications

This document presents information for agencies planning to use Class A foam for fire fighting and protection. It presents information on foam properties and characteristics, proportioning and discharge hardware, application techniques, and safety considerations. 1.1.2 This document describes the use and application of Class A foams that meet the requirements of NFPA 1150. 1.1.3 This document does not apply to the use of Class A foam in sprinkler systems or on fires involving Class B flammable or combustible liquids. 1.1.4 See Annex B for publications that address tactical use of Class A foam. 1.1.5 This document is not intended to discourage the use of emerging technologies and practices, provided that the recommended level of safety is not lessened.

NFPA (National Fire Protection Association)

Dawn Michele Bellis <dbellis@nfpa.org> | One Batterymarch Park | Quincy, MA 02169 www.nfpa.org

Revision

BSR/NFPA 1225-202x, Standard for Emergency Services Communications (revision of ANSI/NFPA 1225-2022)
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

This standard identifies the minimum job performance requirements (JPRs) for Public Safety Telecommunications Personnel, and provides minimum requirements for the installation, maintenance, and use of emergency services communications systems.

NFPA (National Fire Protection Association)

Dawn Michele Bellis <dbellis@nfpa.org> | One Batterymarch Park | Quincy, MA 02169 www.nfpa.org

Revision

BSR/NFPA 2500-202x, Standard for Operations and Training for Technical Search and Rescue Incidents and Life Safety Rope and Equipment for Emergency Services (revision of ANSI/NFPA 2500-2022)
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

This standard provides minimum requirements for conducting operations at technical search and rescue incidents, for the design, performance, testing, and certification of life safety rope and equipment for emergency services, and for the selection, care, and maintenance of rope and associated equipment for emergency services personnel.

RVIA (Recreational Vehicle Industry Association)

Tyler Reamer <treamer@rvia.org> | 2465 J-17 Centreville Road, #801 | Herndon, VA 20171 www.rvia.org

Revision

BSR/RVIA EXTLAD-1-202x, Laboratory Test Procedures for Exterior Ladders on Recreational Vehicles (revision of ANSI/RVIA EXTLAD-1-2019)

Stakeholders: Recreational Vehicle Manufacturers, RV Component Manufacturers, and operators of RV's.

Project Need: To provide opportunity to revise and upgrade minimum safety requirements for the listing of exterior ladders intended for installation and operation on recreational vehicles.

Interest Categories: Testing Lab, Government, Distributor, Producer, User, General Interest, Insurance, Independent Expert

The purpose of this standard of laboratory test procedures shall provide minimum safety criteria through uniform testing regarding capacity rating and performance attributes for exterior ladders installed and used on recreational vehicles in order to enhance safety for users.

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: June 4, 2023

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

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

Addenda

BSR/ASHRAE Addendum g to BSR/ASHRAE Standard 90.4-202x, Energy Standard for Data Centers (addenda to ANSI/ASHRAE Standard 90.4-2022)

This addendum makes changes to Addendum g. Definitions were modified in Section 3 and mandatory language in Section 6 to support the regulation of process heat and process ventilation was moved in the section for clarity. Other changes are added based on comments from the first public review including changes to informative notes.

[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 | rshanley@ashrae.org, www.ashrae.org

Addenda

BSR/ASHRAE/ASHE Addendum e to BSR/ASHRAE/ASHE Standard 189.3-202x, Design, Construction, and Operation of Sustainable High-Performance Health Care Facilities (addenda to ANSI/ASHRAE/ASHE Standard 189.3-2021)

This proposed addendum revises the Title, Purpose, and Scope (TPS) of Standard 189.3 to better align with ANSI/ASHRAE/ICC/USGBC/IES 189.1, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings, and the industry change to decarbonize the built environment.

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

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

Comment Deadline: June 4, 2023

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

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

Addenda

BSR/ASHRAE/ICC/IES/USGBC Addendum ak to BSR/ASHRAE/ICC/IES/USGBC Standard 189.1-202x, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2020)

This addendum (2nd PPR ISC) aligns with the requirements proposed for EPD disclosure in Addendum z. The requirements include a minimum number of procured products to meet GWP limits set at 125% of the industry-wide EPD average. Projects can comply by providing an EPD or LCA for each building product that show the product's GWP is less than 125% of the industry average for cradle-to-gate production. This addendum provides the environmental benefit of lowering GHG emissions through the selection of building products with lower GWP.

[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 | tloxley@ashrae.org, www.ashrae.org

Addenda

BSR/ASHRAE/ICC/IES/USGBC Addendum ba to BSR/ASHRAE/ICC/IES/USGBC Standard 189.1-202x, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2020)

This Addendum revises the definition of potable water to match the definition in the International Plumbing Code. The change will avoid confusion by excluding natural freshwater sources that are not considered “potable” under most common definitions. These changes are not expected to add cost to the standard.

[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 | tloxley@ashrae.org, www.ashrae.org

Addenda

BSR/ASHRAE/ICC/IES/USGBC Addendum bc to BSR/ASHRAE/ICC/IES/USGBC Standard 189.1-202x, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2020)

This addendum updates the references in Section 11, Normative References.

[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: June 4, 2023

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

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

Addenda

BSR/ASHRAE/ICC/IES/USGBC Addendum t to BSR/ASHRAE/ICC/IES/USGBC Standard 189.1-202x, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2020)

This third independent substantive change (ISC) removes an exception in the 2nd ISC to the renewable energy requirement for greenhouses and grow facilities dedicated to food for human consumption.

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

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

NSF (NSF International)

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

Revision

BSR/NSF 49-202x (i179r2), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2022)

This standard applies to Class II (laminar flow) biosafety cabinetry designed to minimize hazards inherent in work with agents assigned to Biosafety Levels 1, 2, 3, or 4. It also defines the tests that shall be passed by such cabinetry to meet this standard.

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

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

ULSE (UL Standards & Engagement)

333 Pfingsten Road, Northbrook, IL 60062 | megan.monsen@ul.org, <https://ulse.org/>

Revision

BSR/UL 414-202x, Standard for Safety for Meter Sockets (revision of ANSI/UL 414-2022)

This proposal for ANSI/UL 414 is a revision to grounding straps in Meter Socket adapters.

[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 | Annabelle.Hollen@ul.org, <https://ulse.org/>

Revision

BSR/UL 768-202x, Standard for Safety for Combination Locks (revision of ANSI/UL 768-2013 (R2018))

The requirements of this standard cover combination locks intended for attachment on doors of safes, chests, vaults, and the like, to provide a means of locking the boltwork against unauthorized opening. These requirements are intended to test the ability of combination locks to resist unauthorized opening of the combination locks by sense of sight, touch, or hearing. Combination locks covered by these requirements may or may not have integral protection against entry by force.

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

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

Comment Deadline: June 4, 2023

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 1322-202x, Standard for Safety for Fabricated Scaffold Planks and Stages (revision of ANSI/UL 1322-2017 (R2023))

These requirements cover the following; a) Wood, metal, or a combination of wood and metal fabricated planks; b) Fabricated platforms for use with suspended, fixed, or rolling scaffold; c) Modular suspended platforms; d) Scaffold decks; e) Mobile work stands; f) Work cages (baskets), and g) Platforms with one, two, or multiple points. These requirements do not cover: a) Suspended scaffold components, b) Accessories for use with or in the erection of fixed or rolling scaffolds, c) The construction or installation of scaffolding, d) Hoists intended for use with suspended scaffolds, or e) Suspended platforms utilizing angled or articulating sections. Welded frame and system scaffold assemblies are to be additionally evaluated to Testing and Rating Scaffold Assemblies and Components, ANSI/SSFI SC100-5/05.

[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: June 19, 2023

ABYC (American Boat and Yacht Council)

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

Revision

BSR/ABYC A-1-202x, LIQUEFIED PETROLEUM GAS (LPG) SYSTEMS (revision of ANSI/ABYC A-1-2018)

This standard addresses the design, construction, installation, and maintenance of liquefied petroleum gas (LPG) systems used for cooking, heating, air conditioning, and refrigeration on all boats up to the point of interface with the appliance.

Single copy price: \$50.00

Obtain an electronic copy from: abycinc.org

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

ABYC (American Boat and Yacht Council)

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

Revision

BSR/ABYC A-22-202x, COMPRESSED NATURAL GAS (CNG) SYSTEMS (revision of ANSI/ABYC A-22-2018)

This standard addresses the design, construction, installation, and maintenance of compressed natural gas (CNG) systems on boats up to the point of connection with the CNG appliance.

Single copy price: \$50.00

Obtain an electronic copy from: abycinc.org

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

Comment Deadline: June 19, 2023

ACP (American Clean Power Association)

1501 M Street NW, Suite 1000, Washington, DC 22205 | dbrown@cleanpower.org, www.cleanpower.org

New Standard

BSR/ACP OCRP-3-202x, ACP US Offshore Wind Metocean Conditions Characterization Recommended Practices (new standard)

The intent of this document is to provide recommended practices for the collection, assessment, and characterization of metocean conditions for offshore wind facilities (fixed bottom and floating), considering the users' requirements for planning, design, construction, operations, and maintenance (O&M), life extension, repowering, and decommissioning. The term "metocean" is a syllabic abbreviation of meteorology and oceanography (physical) and refers to the interactions and combined effect of the atmosphere and a particular body of water. This document addresses atmospheric and marine/freshwater conditions including the following: Water level fluctuations – historical and seasonal levels, tides, storm surges, seiches, and tsunamis; Wind conditions – wind speed and direction, turbulence, shear, and veer; Sea states – waves, swells, currents, and associated spectra; Atmospheric parameters including temperature, precipitation, icing, and other meteorological conditions; Physical water parameters including temperature, hardness/alkalinity, salinity, stratification, density driven currents, internal waves, turbidity, and other conditions; Lake and sea ice characterization; Marine growth (biofouling); and the effects of the morphological conditions of the basin (bathymetry). This guideline addresses data needs, data collection, numerical modelling, simulation, data analysis and interpretation in the the development of an offshore wind project.

Single copy price: Free

Obtain an electronic copy from: standards@cleanpower.org

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

ADA (American Dental Association)

211 East Chicago Avenue, Chicago, IL 60611-2678 | bralowerp@ada.org, www.ada.org

National Adoption

BSR/ADA Standard No. 119-202x, Dentistry - Manual Toothbrushes (identical national adoption of ISO 20126:2022 and revision of ANSI/ADA Standard No. 119-2021)

This document specifies requirements and test methods for the physical properties of manual toothbrushes in order to promote the safety of these products for their intended use. This document does not specify any requirements and test methods for the physical properties of toothbrushes for which all the cleaning elements in the head are elastomers. This document does not apply to manual single-tuft toothbrushes, single-use, interdental and powered oral hygiene devices. In addition, for the filaments end-rounding requirements, this document does not apply to particular filament types which are very thin (less than 0.1 mm outside diameter) or have no sharp edges (e.g., tapered, feathered, with split tips, or spherical cap) or non-synthetic filaments, where applying end-rounding process is inappropriate or impossible. Also specified is a test method for determining the resistance of the tufted portion of manual toothbrushes to deflection. This test method is applicable to toothbrushes having a conventional, flat trim design and may not be applicable to toothbrushes with other designs.

Single copy price: \$69.00

Obtain an electronic copy from: standards@ada.org

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

Comment Deadline: June 19, 2023

ADA (American Dental Association)

211 East Chicago Avenue, Chicago, IL 60611-2678 | bralowerp@ada.org, www.ada.org

National Adoption

BSR/ADA Standard No. 122-202x, Dentistry - Casting and Baseplate Waxes (identical national adoption of ISO 15854:2023 and revision of ANSI/ADA Standard No. 122-2022)

This document specifies the classification of and requirements for waxes used for dental casting (including products intended for CAD/CAM milling) using the lost-wax technique and dental baseplate preparation together with the test methods to be employed to determine compliance with these requirements

Single copy price: \$142.00

Obtain an electronic copy from: standards@ada.org

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

ADA (American Dental Association)

211 East Chicago Avenue, Chicago, IL 60611-2678 | bralowerp@ada.org, www.ada.org

National Adoption

BSR/ADA Standard No. 134-202x, Dentistry - Metallic Materials for Fixed and Removable Restorations and Appliances (identical national adoption of ISO 22674:2022 and revision of ANSI/ADA Standard No. 134-2018)

This document specifies requirements and test methods for metallic materials that are suitable for the fabrication of dental restorations and appliances. Included are metallic materials recommended for use either with or without a ceramic veneer, or recommended for both uses. Furthermore, this document specifies requirements for packaging and marking of the products and for the instructions for use of these materials, including products delivered for sale to a third party.

Single copy price: \$176.00

Obtain an electronic copy from: standards@ada.org

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

ADA (American Dental Association)

211 East Chicago Avenue, Chicago, IL 60611-2678 | bralowerp@ada.org, www.ada.org

National Adoption

BSR/ADA Standard No. 89-202x, Dentistry - Dental Operating Lights (identical national adoption of ISO 9680:2021 and revision of ANSI/ADA Standard No. 89-2017)

This document specifies requirements and test methods for operating lights used in the dental office and intended for illuminating the oral cavity of patients. It also contains specifications on the instructions for use, marking, and packaging. This document applies to operating lights, irrespective of the technology of the light source. This document excludes auxiliary light sources, for example, from dental handpieces and dental headlamps and also operating lights which are specifically designed for use in oral surgery.

Single copy price: \$98.00

Obtain an electronic copy from: standards@ada.org

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

Comment Deadline: June 19, 2023

ASABE (American Society of Agricultural and Biological Engineers)

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

Reaffirmation

BSR/ASABE/ISO 3776-2-FEB2016 (R202x), Tractors and machinery for agriculture - Seat belts - Part 2: Anchorage strength requirements (reaffirm a national adoption ANSI/ASABE/ISO 3776-2-FEB2016 (R2020))

This part of ISO 3776 specifies the strength requirements of the anchorages for pelvic restraint (seat) belts intended to be used by the operators of agricultural tractors and self-propelled machinery.

Single copy price: ASABE Members: \$54.00; Non ASABE Members: \$78.00

Obtain an electronic copy from: companion@asabe.org

Send comments (copy psa@ansi.org) to: Carla Companion <companion@asabe.org>

ASC X9 (Accredited Standards Committee X9, Incorporated)

275 West Street, Suite 107, Annapolis, MD 21401 | Ambria.Calloway@X9.org, www.x9.org

Revision

BSR X9.69-202x, Framework for Key Management Extensions (revision of ANSI X9.69-2017)

This standard defines methods for the generation and control of keys used in symmetric cryptographic algorithms. The standard defines a constructive method for the creation of symmetric keys by combining two or more secret key components. The standard also defines a method for attaching a key usage vector to each generated key, that prevents abuses and attacks against the key. The two defined methods can be used separately or in combination.

Single copy price: \$60.00

Obtain an electronic copy from: ambria.frazier@x9.org

Send comments (copy psa@ansi.org) to: ambria.frazier@x9.org

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

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

New Standard

BSR/ASHRAE Standard 224-202x, Standard for the Application of Building Information Modeling (new standard)

ASHRAE Standard 224-202x provides minimum requirements for the application of Building Information Modeling (BIM) to the planning, design, construction, and operation of buildings. This standard defines how to incorporate BIM requirements in design, construction, and operations services contracts.

Single copy price: \$35.00

Obtain an electronic copy from: <http://www.ashrae.org/standards-research-technology/public-review-drafts>

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

Comment Deadline: June 19, 2023

ASME (American Society of Mechanical Engineers)

Two Park Avenue, 6th Floor, New York, NY 10016-5990 | ansibox@asme.org, www.asme.org

Revision

BSR/ASME A13.1-202x, Scheme for the Identification of Piping Systems (revision of ANSI/ASME A13.1-2020)

This Standard establishes a common system to assist in identification of fluids conveyed in piping and their characteristics. The Standard describes requirements for the identification of aboveground piping used in industrial, commercial, transmission, distribution, and institutional installations, and in buildings used for public assembly. It does not apply to electrical conduits. An alternative system for identification is acceptable if (a) the system is described in writing, (b) employees are trained to recognize the contents of the piping based on the system, and (c) the system meets local jurisdictional requirements.

Single copy price: Free

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

Send comments (copy psa@ansi.org) to: Riad Mohamed <MohamedR@asme.org>

ASTM (ASTM International)

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

New Standard

BSR/ASTM WK52190-202x, Specification for Eye Protectors for Handball (new standard)

<https://www.astm.org/get-involved/technical-committees/ansi-review>

Single copy price: Free

Obtain an electronic copy from: accreditation@astm.org

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

ASTM (ASTM International)

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

New Standard

BSR/ASTM WK58457-202x, 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)

<https://www.astm.org/get-involved/technical-committees/ansi-review>

Single copy price: Free

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ASTM (ASTM International)

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New Standard

BSR/ASTM WK69872-202x, Guide for Scene Photography (new standard)

<https://www.astm.org/get-involved/technical-committees/ansi-review>

Single copy price: Free

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Comment Deadline: June 19, 2023

ASTM (ASTM International)

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New Standard

BSR/ASTM WK72526-202x, Guide for Expert Opinions on the Interpretation of Primer Gunshot Residue (pGSR) Analysis by Scanning Electron Microscopy/Energy Dispersive X-Ray Spectrometry (SEM/EDS) (new standard)
<https://www.astm.org/get-involved/technical-committees/ansi-review>

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ASTM (ASTM International)

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New Standard

BSR/ASTM WK78927-202x, Test Method for the Non-Subjective Optical Requirement Testing of Plano Protective Eyewear (new standard)
<https://www.astm.org/get-involved/technical-committees/ansi-review>

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ASTM (ASTM International)

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New Standard

BSR/ASTM WK80705-202x, Terminology Relating to Gunshot Residue Analysis (GSR) (new standard)
<https://www.astm.org/get-involved/technical-committees/ansi-review>

Single copy price: Free

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ASTM (ASTM International)

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

New Standard

BSR/ASTM WK84047-202x, Guide for Forensic Physical Fit Examination (new standard)
<https://www.astm.org/get-involved/technical-committees/ansi-review>

Single copy price: Free

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ASTM (ASTM International)

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

Reaffirmation

BSR/ASTM F1484-2018 (R202x), Test Methods for Performance of Steam Cookers (reaffirmation of ANSI/ASTM F1484-2018)
<https://www.astm.org/get-involved/technical-committees/ansi-review>

Single copy price: Free

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

Comment Deadline: June 19, 2023

ASTM (ASTM International)

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

Reaffirmation

BSR/ASTM F2093-2018 (R202x), Test Method for Performance of Rack Ovens (reaffirmation of ANSI/ASTM F2093-2018)

<https://www.astm.org/get-involved/technical-committees/ansi-review>

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ASTM (ASTM International)

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

Reaffirmation

BSR/ASTM F2380-2018 (R202x), Test Method for Performance of Conveyor Toasters (reaffirmation of ANSI/ASTM F2380-2018)

<https://www.astm.org/get-involved/technical-committees/ansi-review>

Single copy price: Free

Obtain an electronic copy from: accreditation@astm.org

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ASTM (ASTM International)

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

Reaffirmation

BSR/ASTM F2473-2012 (R202x), Test Method for Performance of Water-Bath Rethermalizers (reaffirmation of ANSI/ASTM F2473-2012 (R2018))

<https://www.astm.org/get-involved/technical-committees/ansi-review>

Single copy price: Free

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ASTM (ASTM International)

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

Revision

BSR/ASTM E814-202x, Test Method for Fire Tests of Penetration Firestop Systems (revision of ANSI/ASTM E814-2013 (R2017))

<https://www.astm.org/get-involved/technical-committees/ansi-review>

Single copy price: Free

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Comment Deadline: June 19, 2023

ASTM (ASTM International)

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

Revision

BSR/ASTM E1302-202x, Guide for Acute Animal Toxicity Testing of Water-Miscible Metalworking Fluids (revision of ANSI/ASTM E1302-2013 (R2017))

<https://www.astm.org/get-involved/technical-committees/ansi-review>

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ASTM (ASTM International)

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Revision

BSR/ASTM E1386-202x, Practice for Separation of Ignitable Liquid Residues from Fire Debris Samples by Solvent Extraction (revision of ANSI/ASTM E1386-2015)

<https://www.astm.org/get-involved/technical-committees/ansi-review>

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Revision

BSR/ASTM E1497-202x, Practice for Selection and Safe Use of Water-Miscible and Straight Oil Metal Removal Fluids (revision of ANSI/ASTM E1497-2017)

<https://www.astm.org/get-involved/technical-committees/ansi-review>

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ASTM (ASTM International)

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Revision

BSR/ASTM E2837-202x, Test Method for Determining the Fire Resistance of Continuity Head-of-Wall Joint Systems Installed Between Rated Wall Assemblies and Nonrated Horizontal Assemblies (revision of ANSI/ASTM E2837-2013 (R2017))

<https://www.astm.org/get-involved/technical-committees/ansi-review>

Single copy price: Free

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Comment Deadline: June 19, 2023

ASTM (ASTM International)

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

Revision

BSR/ASTM E2881-202x, Test Method for Extraction and Derivatization of Vegetable Oils and Fats from Fire Debris and Liquid Samples with Analysis by Gas Chromatography-Mass Spectrometry (revision of ANSI/ASTM E2881-2018)

<https://www.astm.org/get-involved/technical-committees/ansi-review>

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Revision

BSR/ASTM E2917-202x, Practice for Forensic Science Practitioner Training, Continuing Education, and Professional Development Programs (revision of ANSI/ASTM E2917-2019A)

<https://www.astm.org/get-involved/technical-committees/ansi-review>

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ASTM (ASTM International)

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Revision

BSR/ASTM E2997-202x, Test Method for Analysis of Biodiesel Products by Gas Chromatography-Mass Spectrometry (revision of ANSI/ASTM E2997-2016)

<https://www.astm.org/get-involved/technical-committees/ansi-review>

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ASTM (ASTM International)

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Revision

BSR/ASTM E3085-202x, Guide for Fourier Transform Infrared Spectroscopy in Forensic Tape Examinations (revision of ANSI/ASTM E3085-2017)

<https://www.astm.org/get-involved/technical-committees/ansi-review>

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Comment Deadline: June 19, 2023

ASTM (ASTM International)

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

Revision

BSR/ASTM E3148-202x, Guide for Postmortem Facial Image Capture (revision of ANSI/ASTM E3148-2018)

<https://www.astm.org/get-involved/technical-committees/ansi-review>

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ASTM (ASTM International)

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Revision

BSR/ASTM E3175-202x, Practice for Training in the Forensic Examination of Hair by Microscopy (revision of ANSI/ASTM E3175-2022)

<https://www.astm.org/get-involved/technical-committees/ansi-review>

Single copy price: Free

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ASTM (ASTM International)

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Revision

BSR/ASTM E3295-202x, Guide for Using Micro X-Ray Fluorescence (-XRF) in Forensic Polymer Examinations (revision of ANSI/ASTM E3295-2023)

<https://www.astm.org/get-involved/technical-committees/ansi-review>

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ASTM (ASTM International)

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

Revision

BSR/ASTM F438-202x, Specification for Socket-Type Chlorinated Poly(Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 40 (revision of ANSI/ASTM F438-2017a)

<https://www.astm.org/get-involved/technical-committees/ansi-review>

Single copy price: Free

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ASTM (ASTM International)

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Revision

BSR/ASTM F963-202x, Consumer Safety Specification for Toy Safety (revision of ANSI/ASTM F963-2017)

<https://www.astm.org/get-involved/technical-committees/ansi-review>

Single copy price: Free

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Comment Deadline: June 19, 2023

ASTM (ASTM International)

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

Revision

BSR/ASTM F2272-202x, Specification for Paintball Markers (revision of ANSI/ASTM F2272-2013 (R2021))

<https://www.astm.org/get-involved/technical-committees/ansi-review>

Single copy price: Free

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Revision

BSR/ASTM F2440-202x, Specification for Indoor Wall/Feature Padding (revision of ANSI/ASTM F2440-2018)

<https://www.astm.org/get-involved/technical-committees/ansi-review>

Single copy price: Free

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ASTM (ASTM International)

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

Revision

BSR/ASTM F2654-202x, Specification for Airsoft Gun Warnings (revision of ANSI/ASTM F2654-2016 (R2020))

<https://www.astm.org/get-involved/technical-committees/ansi-review>

Single copy price: Free

Obtain an electronic copy from: accreditation@astm.org

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

B11 (B11 Standards, Inc.)

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

Revision

BSR/B11.0-202x, Safety of Machinery (revision of ANSI B11.0-2020)

This type-A standard applies to new, existing, modified or rebuilt power driven machines, not portable by hand while working, that are used to process materials by cutting; forming; pressure; electrical, thermal or optical techniques; lamination; or a combination of these processes. This includes associated equipment used to transfer material or tooling, including fixtures, to assemble/disassemble, and to inspect or test. The associated equipment, including logic controller(s) and associated software or logic together with the machine actuators and sensors, are considered a part of the industrial machinery.

Single copy price: \$199.00

Obtain an electronic copy from: cfelinski@b11standards.org

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

Comment Deadline: June 19, 2023

NEMA (ASC C8) (National Electrical Manufacturers Association)

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

Revision

BSR ICEA P-45-482-202x, Short Circuit Performance of Metallic Shields and Sheaths on Insulated Cable (revision of ANSI/ICEA P-45-482-2017)

This publication discusses factors for consideration in approximating the operability of insulated and/or covered wire and cable under the influence of uninterrupted short circuit currents encountered as a result of cable or other equipment faults. The duration of such a fault is considered to be up to approximately 2 seconds. Calculation for single short circuits of longer durations will yield increasingly conservative results.

Single copy price: \$88.00

Obtain an electronic copy from: communication@nema.org

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

NFRC (National Fenestration Rating Council)

6305 Ivy Lane, Suite 140, Greenbelt, MD 20770 | jpadgett@nfr.org, www.nfrc.org

Revision

BSR/NFRC 100-202x (EOA0), Procedure for Determining Fenestration Product U-factors (revision of ANSI/NFRC 100-2020 (EOA2))

This standard specifies a method for determining fenestration product U-factor (thermal transmittance).

Single copy price: Free

Obtain an electronic copy from: <https://nfrcommunity.org/members/group.aspx?code=ANS>

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

NFRC (National Fenestration Rating Council)

6305 Ivy Lane, Suite 140, Greenbelt, MD 20770 | jpadgett@nfr.org, www.nfrc.org

Revision

BSR/NFRC 200-202x EOA0, Procedure for Determining Fenestration Product Solar Heat Gain Coefficient and Visible Transmittance at Normal Incidence (revision of ANSI/NFRC 200-2020 (EOA2))

To specify a method for calculating solar heat gain coefficient (SHGC) and visible transmittance (VT) at normal (perpendicular) incidence for fenestration products containing glazings or glazing with applied films, with specular optical properties calculated in accordance with ISO 15099 (except where noted) or tested in accordance with NFRC 201, NFRC 202, and NFRC 203.

Single copy price: Free

Obtain an electronic copy from: <https://nfrcommunity.org/members/group.aspx?code=ANS>

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

NFRC (National Fenestration Rating Council)

6305 Ivy Lane, Suite 140, Greenbelt, MD 20770 | jpadgett@nfr.org, www.nfrc.org

Revision

BSR/NFRC 202-202x EOA0, Procedure for Determining Translucent Fenestration Product Visible Transmittance at Normal Incidence (revision of ANSI/NFRC 202-2020 (EOA2))

To specify a test method for translucent panels to determine the visible transmittance (VT_{cog}) at normal (perpendicular) incidence in accordance with ASTM E 972 and ASTM E 1084 (except where noted).

Single copy price: Free

Obtain an electronic copy from: <https://nfrcommunity.org/members/group.aspx?code=ANS>

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

Comment Deadline: June 19, 2023

NFRC (National Fenestration Rating Council)

6305 Ivy Lane, Suite 140, Greenbelt, MD 20770 | jpadgett@nfr.org, www.nfrc.org

Revision

BSR/NFRC 500-202x E0A0, Procedure for Determining Fenestration Product Condensation Index Ratings (revision of ANSI/NFRC 500-2020 (EA01))

This procedure provides a Condensation Index rating for windows, fully glazed doors, curtain wall systems, site-built products, sloped glazing systems, skylights, Dynamic Glazing Products and other fenestration products.

Single copy price: Free

Obtain an electronic copy from: <https://nfrcommunity.org/members/group.aspx?code=ANS>

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

TIA (Telecommunications Industry Association)

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

New Standard

BSR/TIA 568.7-202x, Balanced single twisted-pair cabling and components standard for industrial premises (new standard)

Create a standard for defining the transmission requirements for industrial cabling and components supporting single balanced twisted-pair cabling for MICE2 and MICE3 environments. Specify components that meet the transmission requirements for cabling for Industrial Premises. This Standard establishes performance and technical criteria in support of single-pair applications such as Ethernet.

Single copy price: \$146.00

Obtain an electronic copy from: standards-process@tiaonline.org

Send comments (copy psa@ansi.org) to: Teesha Jenkins <standards-process@tiaonline.org>

ULSE (UL Standards & Engagement)

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

National Adoption

BSR/UL 62817-202x, Photovoltaic systems - Design qualification of solar trackers (identical national adoption of IEC 62817)

First Edition of the UL IEC-Based Standard for Photovoltaic systems – Design qualification of solar trackers, UL 62817, with no US National Differences

Single copy price: Free

Obtain an electronic copy from: <https://csds.ul.com/ProposalAvailable>

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

Comment Deadline: June 19, 2023

ULSE (UL Standards & Engagement)

9 Burlington Crescent, Ottawa, ON K1T3L1 | 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)

1. Replace the drawing in Figure 16 (Figure 16)
2. Clarification of Sample Requirements (8.1.6)
3. Electrical Metallic Tubing Fittings, Addition of trade sizes 5" & 6" (5.5.1.2, 5.5.2.2, 7.3.1, Table 7, Table 14, Table 15, Table 23, Table 24)
4. Distributed Generation DG Cable FITTINGS (1.8, Section 7.20, Section 8.41, Table 44)
5. Push-To-Connect Fittings (3.30, Section 5.22, Section 7.21, Section 8.40)
7. Male Threaded Fittings provided with a LOCKNUT and also intended for securement to:
 - Enclosures with threaded entries, or
 - Fittings with internal female threads (e.g., HUBs, conduit bodies, couplings). (1.7, 4.5, 7.11.2, 7.11.3, 8.1.7, Section 8.42, Table 19)

Single copy price: Free

Obtain an electronic copy from: <https://csds.ul.com/ProposalAvailable>

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

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 1029-202X, Standard for High-Intensity-Discharge Lamp Ballasts (revision of ANSI/UL 1029-2012 (R2022))

1. Amend the scope section to include low frequency square wave and high frequency electronic ballast.
2. Add to the glossary the definitions of low frequency square wave HID lamp ballast and high frequency HID lamp ballast as items 2.9 and 2.10.
3. Adopt the UL 935 applicable performance testing as an alternative for electronic HID lamp ballast.
4. Electronic HID lamp ballast shall be subjected to the following UL 935 performance test.

Single copy price: Free

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

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)

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

Revision

BSR/UL 1974-202x, Standard for Safety for Evaluation for Repurposing Batteries (revision of ANSI/UL 1974-2018)

1. Addition of Routine Maintenance and Diagnosis.
2. Clarification on the calendar date in 7.1.
3. Addition of requirements for remanufacturing batteries.
4. Miscellaneous revisions throughout the Standard.

Single copy price: Free

Obtain an electronic copy from: <https://csds.ul.com/ProposalAvailable>

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

Comment Deadline: June 19, 2023

ULSE (UL Standards & Engagement)

333 Pfungsten Road, Northbrook, IL 60062-2096 | alan.t.mcgrath@ul.org, <https://ulse.org/>

Revision

BSR/UL 60730-2-3-202X, Automatic Electrical Controls; Part 2: Particular Requirements for Thermal Protectors for Ballasts for Tubular Fluorescent Lamps (revision of ANSI/UL 60730-2-3-2013 (R2022))

Add a new national deviation to 1.1 to add a reference to UL 8750.

Single copy price: Free

Obtain an electronic copy from: <https://csds.ul.com/ProposalAvailable>

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

ULSE (UL Standards & Engagement)

333 Pfungsten Road, Northbrook, IL 60062-2096 | alan.t.mcgrath@ul.org, <https://ulse.org/>

Revision

BSR/UL 60730-2-14-202X, Automatic Electrical Controls; Part 2: Particular Requirements for Electric Actuators (revision of ANSI/UL 60730-2-14-2021)

Adoption of the second amendment to IEC 60730-2-14.

Single copy price: Free

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

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

Comment Deadline: July 4, 2023

ULSE (UL Standards & Engagement)

333 Pfungsten Road, Northbrook, IL 60062 | isabella.brodzinski@ul.org, <https://ulse.org/>

New Standard

BSR/UL 1390-202x, Standard for Solid Fuel Fireplace Inserts and Hearth-Mounted Stoves for Installation into Masonry Fireplaces (new standard)

1.1 These requirements cover solid-fuel burning fireplace inserts and hearth-mounted stoves intended to be vented through the throat or damper area of a masonry fireplace and masonry chimney system. The appliances may be installed into new masonry fireplaces, or masonry fireplaces that have been operated for some time, i.e., in these cases the fireplace insert or hearth-mounted stove installations are retrofits. These appliances are designed for burning solid fuels. 1.2 The requirements include testing with a continuous chimney liner from the appliance collar to the point of termination. 1.3 This Standard covers catalytic combustors utilized with fireplace inserts or hearth-mounted stoves.

Single copy price: Free

Order from: <https://csds.ul.com/ProposalAvailable>

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

Comment Deadline: July 4, 2023

ULSE (UL Standards & Engagement)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | Julio.Morales@UL.org, <https://ulse.org/>

Revision

BSR/UL 8800-202x, Standard for Safety for Horticultural Lighting Equipment and Systems (revision of ANSI/UL 8800-2023)

This proposal covers: 1) Typographical Correction of Photobiological Safety Markings and 2) LED array flexing pre-condition requirement

Single copy price: Free

Order from: <https://csds.ul.com/ProposalAvailable>

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

Technical Reports Registered with ANSI

Technical Reports Registered with ANSI are not consensus documents. Rather, all material contained in Technical Reports Registered with ANSI is informational in nature. Technical reports may include, for example, reports of technical research, tutorials, factual data obtained from a survey carried out among standards developers and/or national bodies, or information on the "state of the art" in relation to standards of national or international bodies on a particular subject. Immediately following the end of a 30-day announcement period in Standards Action, the Technical Report will be registered by ANSI. Please submit any comments regarding this registration to the organization indicated, with a copy to (psa@ansi.org).

AAMI (Association for the Advancement of Medical Instrumentation)

, | mmiskell@aami.org, www.aami.org

Revision

AAMI/ISO TIR 16775-2023, Packaging for terminally sterilized medical devices - Guidance on the application of ISO 11607-1 and ISO 11607-2 (revision of technical report AAMI/ISO TIR 16775-2014)

This document provides guidance for the application of the requirements contained in ISO 11607-1 and ISO 11607-2. It does not add to, or otherwise change, the requirements of ISO 11607-1 and ISO 11607-2. This is an informative document, not normative. It does not include requirements to be used as basis of regulatory inspection or certification assessment activities. The guidance can be used to better understand the requirements of ISO 11607-1 and ISO 11607-2 and illustrates the variety of methods and approaches available for meeting the requirements of those International Standards. It is not required that this document be used to demonstrate conformity with them. Guidance is given for evaluation, selection and use of packaging materials, preformed sterile barrier systems, sterile barrier systems and packaging systems. Guidance on validation requirements for forming, sealing and assembly processes is also given. This document provides information for both healthcare facilities and the medical devices industry for terminally sterilized medical devices. This document does not provide guidance for applications of packaging materials and systems after their opening. In the use of packaging for other purposes such as a "sterile field" or transport of contaminated items, other regulatory standards will apply.

Project Withdrawn

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

ASTM (ASTM International)

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

BSR/ASTM WK67734-202x, New Specification for Specification for SS Press Sleeves for Use with PEX and PE-RT (new standard)

Send comments (copy psa@ansi.org) to: Laura Klineburger <accreditation@astm.org>

ASTM (ASTM International)

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

BSR/ASTM WK68378-202x, New Guide for Standard guide to the GUM (new standard)

Send comments (copy psa@ansi.org) to: Laura Klineburger <accreditation@astm.org>

ASTM (ASTM International)

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

BSR/ASTM WK68382-202x, New Practice for performing a measurement system analysis study where the measurement system is altered by each replicate measurement (new standard)

Send comments (copy psa@ansi.org) to: Laura Klineburger <accreditation@astm.org>

Final Actions on American National Standards

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

AAFS (American Academy of Forensic Sciences)

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

ANSI/AAFS ASB Std 157-2023, Required Components for a Proficiency Testing Program in Bloodstain Pattern Analysis (new standard) Final Action Date: 4/24/2023 | *New Standard*

ANSI/ASB Std 158-2023, Standard for Developing Standard Operating Procedures in Bloodstain Pattern Analysis (new standard) Final Action Date: 4/24/2023 | *New Standard*

AMCA (Air Movement and Control Association)

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

ANSI/AMCA Standard 500-L-2023, Laboratory Methods of Testing Louvers for Rating (revision of ANSI/AMCA Standard 500-L-2015) Final Action Date: 4/28/2023 | *Revision*

ANS (American Nuclear Society)

555 North Kensington Avenue, La Grange Pk, IL 60526 | pschroeder@ans.org, www.ans.org

ANSI/ANS 15.1-2007 (R2023), The Development of Technical Specifications for Research Reactors (reaffirmation of ANSI/ANS 15.1-2007 (R2018)) Final Action Date: 4/27/2023 | *Reaffirmation*

ASABE (American Society of Agricultural and Biological Engineers)

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

ANSI/ASABE/ISO 12188-2-2015 (R2023), Tractors and machinery for agriculture and forestry - Test procedures for positioning and guidance systems in agriculture - Part 2: Testing of satellite-based auto-guidance systems during straight and level travel (reaffirm a national adoption ANSI/ASABE/ISO 12188-2-2015 (R2019)) Final Action Date: 4/25/2023 | *Reaffirmation*

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

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

ANSI/ASHRAE Addendum 55i-2020, Thermal Environmental Conditions for Human Occupancy (addenda to ANSI/ASHRAE Standard 55-2020) Final Action Date: 4/28/2023 | *Addenda*

ANSI/ASHRAE Addendum 62.2e-2022, Ventilation and Acceptable Indoor Air Quality in Residential Buildings (addenda to ANSI/ASHRAE Standard 62.2-2022) Final Action Date: 4/28/2023 | *Addenda*

ANSI/ASHRAE Addendum g to ANSI/ASHRAE Standard 34-2022, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2022) Final Action Date: 4/28/2023 | *Addenda*

ANSI/ASHRAE Addendum h to ANSI/ASHRAE Standard 34-2022, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2022) Final Action Date: 4/28/2023 | *Addenda*

ANSI/ASHRAE Addendum j to ANSI/ASHRAE Standard 34-2022, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2022) Final Action Date: 4/28/2023 | *Addenda*

ANSI/ASHRAE Addendum k to ANSI/ASHRAE Standard 34-2022, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2022) Final Action Date: 4/28/2023 | *Addenda*

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

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

ANSI/ASHRAE Addendum m to ANSI/ASHRAE Standard 34-2022, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2022) Final Action Date: 4/28/2023 | *Addenda*

ANSI/ASHRAE/ICC/IES/USGBC Addendum ah to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2020, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2020) Final Action Date: 4/28/2023 | *Addenda*

ANSI/ASHRAE/ICC/IES/USGBC Addendum ai to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2020, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2020) Final Action Date: 4/28/2023 | *Addenda*

ANSI/ASHRAE/ICC/IES/USGBC Addendum an to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2020, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2020) Final Action Date: 4/28/2023 | *Addenda*

ANSI/ASHRAE/ICC/IES/USGBC Addendum ar to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2020, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2020) Final Action Date: 4/28/2023 | *Addenda*

ANSI/ASHRAE/ICC/IES/USGBC Addendum as to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2020, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2020) Final Action Date: 4/28/2023 | *Addenda*

ANSI/ASHRAE/ICC/IES/USGBC Addendum at to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2020, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2020) Final Action Date: 4/28/2023 | *Addenda*

AWS (American Welding Society)

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

ANSI/AWS D1.7/D1.7M-2023, Guide for Strengthening and Repairing Existing Structures (new standard) Final Action Date: 4/24/2023 | *New Standard*

CSA (CSA America Standards Inc.)

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

ANSI/CSA C22.2 No. 340-2023, Battery Management Systems (new standard) Final Action Date: 4/25/2023 | *New Standard*

ANSI/CSA CHMC 1-2014 (R2023), Test methods for evaluating material compatibility in compressed hydrogen applications - Metals (reaffirmation of ANSI/CSA CHMC 1-2014) Final Action Date: 4/27/2023 | *Reaffirmation*

ANSI/CSA HGV 4.8-2012 (R2023), Hydrogen gas vehicle fueling station compressor guidelines (reaffirmation of ANSI/CSA HGV 4.8-2012) Final Action Date: 4/27/2023 | *Reaffirmation*

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

18927 Hickory Creek Drive, Suite 220, Mokena, IL 60448 | terry.burger@asse-plumbing.org, <https://www.>

ANSI/CSA B45.8/IAPMO Z403-2023, Terrazzo, Concrete, Composite Stone, and Natural Stone Plumbing Fixtures (revision of ANSI/CSA B45.8/IAPMO Z403-2018) Final Action Date: 4/27/2023 | *Revision*

IES (Illuminating Engineering Society)

120 Wall Street, Floor 17, New York, NY 10005-4001 | pmcgillicuddy@ies.org, www.ies.org

ANSI/IES LS-3-2020 (R2023), Lighting Science: Physics and Optics of Radiant Energy (reaffirmation of ANSI/IES LS-3-2020) Final Action Date: 4/28/2023 | *Reaffirmation*

ANSI/IES LS-4-2020 (R2023), Lighting Science: Measurement of Light - The Science of Photometry (reaffirmation of ANSI/IES LS-4-2020) Final Action Date: 4/28/2023 | *Reaffirmation*

ANSI/IES LM-9-2020 (R2023), Approved Method: Electrical and Photometric Measurement of Fluorescent Lamps (reaffirmation of ANSI/IES LM-9-2020) Final Action Date: 4/28/2023 | *Reaffirmation*

ANSI/IES LM-10-2020 (R2023), Approved Method: Photometric Testing of Roadway and Area Lighting Fluorescent Luminaires (reaffirmation of ANSI/IES LM-10-2020) Final Action Date: 4/28/2023 | *Reaffirmation*

ANSI/IES LM-11-2020 (R2023), Approved Method: Photometric Testing of Searchlights Using Incandescent or HID Sources (reaffirmation of ANSI/IES LM-11-2020) Final Action Date: 4/28/2023 | *Reaffirmation*

ANSI/IES LM-31-2020 (R2023), Approved Method: Photometric Testing of Roadway and Area Lighting Luminaires Using Incandescent Filament or High Intensity Discharge Lamps (reaffirmation of ANSI/IES LM-31-2020) Final Action Date: 4/28/2023 | *Reaffirmation*

ANSI/IES LM-35-2020 (R2023), Approved Method: Photometric Testing of Floodlights Using High Intensity Discharge or Incandescent Filament Lamps (reaffirmation of ANSI/IES LM-35-2020) Final Action Date: 4/28/2023 | *Reaffirmation*

ANSI/IES LM-40-2020 (R2023), Approved Method: Life Testing of Fluorescent Lamps (reaffirmation of ANSI/IES LM-40-2020) Final Action Date: 4/28/2023 | *Reaffirmation*

ANSI/IES LM-41-2020 (R2023), Approved Method: Photometric Testing of Indoor Fluorescent Luminaires (reaffirmation of ANSI/IES LM-41-2020) Final Action Date: 4/28/2023 | *Reaffirmation*

ANSI/IES LM-45-2020 (R2023), Approved Method: Electrical and Photometric Measurement of General Service Incandescent Filament Lamps (reaffirmation of ANSI/IES LM-45-2020) Final Action Date: 4/28/2023 | *Reaffirmation*

ANSI/IES LM-46-2020 (R2023), Approved Method: Photometric Testing of Indoor Luminaires Using High Intensity Discharge or Incandescent Filament Lamps (reaffirmation of ANSI/IES LM-46-2020) Final Action Date: 4/28/2023 | *Reaffirmation*

ANSI/IES LM-47-2020 (R2023), Approved Method: Life Testing of High Intensity Discharge (HID) Lamps (reaffirmation of ANSI/IES LM-47-2020) Final Action Date: 4/28/2023 | *Reaffirmation*

ANSI/IES LM-49-2020 (R2023), Approved Method: Life Testing of Incandescent Filament Lamps (reaffirmation of ANSI/IES LM-49-2020) Final Action Date: 4/28/2023 | *Reaffirmation*

ANSI/IES LM-51-2020 (R2023), Approved Method: Electrical and Photometric Measurement of High Intensity Discharge Lamps (reaffirmation of ANSI/IES LM-51-2020) Final Action Date: 4/28/2023 | *Reaffirmation*

ANSI/IES LM-61-2020 (R2023), Approved Method: Identifying Operating Factors for Installed High Intensity Discharge Luminaires (reaffirmation of ANSI/IES LM-61-2020) Final Action Date: 4/28/2023 | *Reaffirmation*

ANSI/IES LM-62-2020 (R2023), Approved Method: Laboratory or Field Thermal Measurements of Fluorescent Lamps and Ballasts in Luminaires (reaffirmation of ANSI/IES LM-62-2020) Final Action Date: 4/28/2023 | *Reaffirmation*

ANSI/IES LM-65-2020 (R2023), Approved Method: Life Testing of Single-Ended Fluorescent Lamps (reaffirmation of ANSI/IES LM-65-2020) Final Action Date: 4/28/2023 | *Reaffirmation*

IES (Illuminating Engineering Society)

120 Wall Street, Floor 17, New York, NY 10005-4001 | pmcgillcuddy@ies.org, www.ies.org

ANSI/IES LM-66-2020 (R2023), Approved Method: Electrical and Photometric Measurements of Single-Ended Fluorescent Lamps (reaffirmation of ANSI/IES LM-66-2020) Final Action Date: 4/28/2023 | *Reaffirmation*

ANSI/IES LM-73-2004 (R2023), Approved Method: For Photometric Testing of Entertainment Lighting Luminaires Using Incandescent Filament Lamps or High Intensity Discharge Lamps (reaffirmation of ANSI/IES LM-73-2004 (R2017)) Final Action Date: 4/28/2023 | *Reaffirmation*

ANSI/IES LM-81-2020 (R2023), Approved Method: Photometric Testing of Skylights and Tubular Daylighting Devices Under Hemispherical Sky Conditions (reaffirmation of ANSI/IES LM-81-2020) Final Action Date: 4/28/2023 | *Reaffirmation*

ANSI/IES LM-86-2020 (R2023), Approved Method: Measuring Luminous Flux and Color Maintenance of Remote Phosphor Components (reaffirmation of ANSI/IES LM-86-2020) Final Action Date: 4/28/2023 | *Reaffirmation*

ANSI/IES TM-26-2020 (R2023), Approved Method: Projecting Catastrophic Failure of LED Packages (reaffirmation of ANSI/IES TM-26-2020) Final Action Date: 4/28/2023 | *Reaffirmation*

NEMA (ASC C8) (National Electrical Manufacturers Association)

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

ANSI ICEA S-121-733-2023, Tree Wire and Messenger Supported Spacer Cable (revision and redesignation of ANSI/ICEA S-121-733-2016) Final Action Date: 5/1/2023 | *Revision*

ANSI ICEA S-87-640-2023, Standard for Optical Fiber Outside Plant Communication Cable (revision and redesignation of ANSI/ICEA S-87-640-2016) Final Action Date: 4/25/2023 | *Revision*

NSF (NSF International)

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

ANSI/NSF 173-2023 (i108r1), Dietary Supplements (revision of ANSI/NSF 173-2021) Final Action Date: 4/23/2023 | *Revision*

ULSE (UL Standards & Engagement)

333 Pflugsten Road, Northbrook, IL 60062-2096 | Susan.P.Malohn@ul.org, <https://ulse.org/>

ANSI/UL 61730-2-2023, Standard for Safety for Photovoltaic (PV) Module Safety Qualification - Part 2: Requirements for Testing (national adoption of IEC 61730-2 with modifications and revision of ANSI/UL 61730-2-2022) Final Action Date: 4/25/2023 | *National Adoption*

ANSI/UL 8400-2023, Standard for Safety for Virtual Reality, Augmented Reality and Mixed Reality Technology Equipment (new standard) Final Action Date: 4/28/2023 | *New Standard*

ANSI/UL 723-2018 (R2023), Standard for Safety for Test for Surface Burning Characteristics of Building Materials (reaffirmation of ANSI/UL 723-2018) Final Action Date: 4/27/2023 | *Reaffirmation*

ANSI/UL 2089-2018 (R2023), Standard for Safety for Vehicle Battery Adapters (reaffirmation of ANSI/UL 2089-2018) Final Action Date: 4/25/2023 | *Reaffirmation*

ANSI/UL 464-2023, Standard for Safety for Audible Signaling Devices for Fire Alarm and Signaling Systems, Including Accessories (revision of ANSI/UL 464-2017) Final Action Date: 4/28/2023 | *Revision*

ANSI/UL 797-2023, Standard for Safety for Electrical Metallic Tubing - Steel (revision of ANSI/UL 797-2021) Final Action Date: 4/28/2023 | *Revision*

ULSE (UL Standards & Engagement)

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

ANSI/UL 1638-2023, Standard for Safety for Visible Signaling Devices for Fire Alarm and Signaling Systems, Including Accessories (revision of ANSI/UL 1638-2017) Final Action Date: 4/27/2023 | *Revision*

ANSI/UL 1778-2023, Standard for Safety for Uninterruptible Power Systems (revision of ANSI/UL 1778-2017) Final Action Date: 4/28/2023 | *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

ASTM - ASTM International

E30 FORENSIC SCIENCES COMMITTEE PARTICIPANTS NEEDED

ASTM International's E30 Forensic Science Committee is seeking participants from underrepresented interest categories of Consumer (defined as: consumers of forensic evidence and includes individuals working in regulating bodies and the judicial systems) and Producers (defined as: manufacturers of kits, equipment of provider of services to forensics science service providers.) Visit the [E30 webpage](#) to learn more.

Individuals who are interested in becoming an E30 member are invited to contact bmilewski@astm.org, ASTM's E30 staff manager or join via the [ASTM website](#).

The Scope of E30 is below.

Scope

The promotion of knowledge and development of standards (test methods, guides, practices, classifications, and terminology) for, but not limited to, definitions, methods and standard reference materials for the collection, preservation, scientific examination, preparation and reports relating to physical evidence for forensic purposes; and the general practice of forensic science; and other areas as determined by the scope.

ANSI Accredited Standards Developer

DirectTrust - DirectTrust.org, Inc.

ANSI Accredited Standards Developer

DirectTrust - DirectTrust.org, Inc

Call for Members: DS2019_01 – The Direct Standard®

Are you interested in contributing to the development and maintenance of the Direct Standard® to enable exchange of authenticated, encrypted health information to known trusted recipients?

DirectTrust is currently seeking members in the following categories:

- Healthcare Sector
- Government Sector
- Healthcare Payer Sector
- Consumer Sector and General Interest

If you are interested in joining the DS2019_01- The Direct Standard® Consensus Body, contact Standards@DirectTrust.org.

ANSI Accredited Standards Developer

DirectTrust – DirectTrust.org, Inc

Call for Members: DS2019_02 – Trusted Instant Messaging (TIM+)

Are you interested in contributing to the development and maintenance of the Direct Standard® to enable the exchange of authenticated, encrypted health information to known trusted recipients?

This consensus body is currently seeking voting members in the following categories:

- Healthcare Sector
- Government Sector
- Healthcare Payer Sector
- Consumer Sector and General Interest
- Information Technology Sector

If you are interested in joining the DS2019_02 – Trusted Instant Messaging (TIM+) Consensus Body, contact Standards@DirectTrust.org.

ANSI Accredited Standards Developer

ABYC (American Boat and Yacht Council)

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

BSR/ABYC A-1-202x, LIQUEFIED PETROLEUM GAS (LPG) SYSTEMS (revision of ANSI/ABYC A-1-2018)

Interest Categories: Soliciting for categories: Manufacturer - Engines, Insurance/Survey

ABYC (American Boat and Yacht Council)

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

BSR/ABYC A-22-202x, COMPRESSED NATURAL GAS (CNG) SYSTEMS (revision of ANSI/ABYC A-22-2018)

Interest Categories: Soliciting for categories: Manufacturer - Engines, Insurance/Survey

ACP (American Clean Power Association)

1501 M Street NW, Suite 1000, Washington, DC 22205 | dbrown@cleanpower.org, www.cleanpower.org

BSR/ACP OCRP-3-202x, ACP US Offshore Wind Metrocean Conditions Characterization Recommended Practices (new standard)

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

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

BSR/AHRI Standard 1210-202x (SI/I-P), Performance Rating of Variable Frequency Drives (new standard)

ARESCA (American Renewable Energy Standards and Certification Association)

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

BSR/ARESCA 61400-1-202x, Wind energy generation systems - Part 1: Design requirements (identical national adoption of IEC 61400-1:2019)

ARESCA (American Renewable Energy Standards and Certification Association)

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

BSR/ARESCA 61400-24-202x, Wind energy generation systems - Part 24: Lightning protection (identical national adoption of IEC 61400-24:2019)

ARESCA (American Renewable Energy Standards and Certification Association)

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

BSR/ARESCA 61400-26-1-202x, Wind energy generation systems - Part 26-1: Availability for wind energy generation systems (identical national adoption of IEC 61400-26-1:2019)

ASABE (American Society of Agricultural and Biological Engineers)

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

BSR/ASABE/ISO 3776-2-FEB2016 (R202x), Tractors and machinery for agriculture - Seat belts - Part 2: Anchorage strength requirements (reaffirm a national adoption ANSI/ASABE/ISO 3776-2-FEB2016 (R2020))

NFRC (National Fenestration Rating Council)

6305 Ivy Lane, Suite 140, Greenbelt, MD 20770 | jpadgett@nfr.org, www.nfrc.org

BSR/NFRC 100-202x (EOA0), Procedure for Determining Fenestration Product U-factors (revision of ANSI/NFRC 100-2020 (EOA2))

NFRC (National Fenestration Rating Council)

6305 Ivy Lane, Suite 140, Greenbelt, MD 20770 | jpadgett@nfr.org, www.nfrc.org

BSR/NFRC 200-202x EOA0, Procedure for Determining Fenestration Product Solar Heat Gain Coefficient and Visible Transmittance at Normal Incidence (revision of ANSI/NFRC 200-2020 (EOA2))

NFRC (National Fenestration Rating Council)

6305 Ivy Lane, Suite 140, Greenbelt, MD 20770 | jpadgett@nfr.org, www.nfrc.org

BSR/NFRC 202-202x EOA0, Procedure for Determining Translucent Fenestration Product Visible Transmittance at Normal Incidence (revision of ANSI/NFRC 202-2020 (EOA2))

NFRC (National Fenestration Rating Council)

6305 Ivy Lane, Suite 140, Greenbelt, MD 20770 | jpadgett@nfr.org, www.nfrc.org

BSR/NFRC 500-202x E0A0, Procedure for Determining Fenestration Product Condensation Index Ratings (revision of ANSI/NFRC 500-2020 (EA01))

NSF (NSF International)

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

BSR/NSF 49-202x (i179r2), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2022)

RVIA (Recreational Vehicle Industry Association)

2465 J-17 Centreville Road, #801, Herndon, VA 20171 | treamer@rvia.org, www.rvia.org

BSR/RVIA EXTLAD-1-202x, Laboratory Test Procedures for Exterior Ladders on Recreational Vehicles (revision of ANSI/RVIA EXTLAD-1-2019)

TIA (Telecommunications Industry Association)

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

BSR/TIA 568.7-202x, Balanced single twisted-pair cabling and components standard for industrial premises (new standard)

ULSE (UL Standards & Engagement)

333 Pfingsten Road, Northbrook, IL 60062 | megan.monsen@ul.org, <https://ul.org/>

BSR/UL 414-202x, Standard for Safety for Meter Sockets (revision of ANSI/UL 414-2022)

ULSE (UL Standards & Engagement)

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

BSR/UL 768-202x, Standard for Safety for Combination Locks (revision of ANSI/UL 768-2013 (R2018))

Call for Comment on Standards Proposals

Correction Notice

ANSI Accredited Standards Developer

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

Comment by 6/4/2023

Please note that the following proposals were announced prematurely in the April 28, 2023 issue of Standards Action. These are announced again and correctly in the May 5, 2023 issue of Standards Action.

The 30-day public comment period begins on May 5, 2023:

BSR/ASHRAE/ICC/IES/USGBC Addenda t, ak, ba, and bc to BSR/ASHRAE/ICC/IES/USGBC Standard 189.1-202x.
Questions: Thomas Loxley, TLoxley@ashrae.org

American National Standards (ANS) Process

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

Accreditation Announcements (Standards Developers)

NGWA - National Ground Water Association

The accreditation of **NGWA - National Ground Water Association** as a developer of American National Standards (ANS), and of the following sponsored American National Standards and/or registered projects has been formally withdrawn.

Discontinuance of standards proposals

BSR/NGWA 02-202x, Groundwater Industry Personnel, (new standard)

BSR/NGWA 03-1X-202x, Water Well Pump Systems Standard, (new standard)

BSR/NGWA 1-202X, Water Well Construction Standard, (new standard)

These actions were taken effect on **April 25, 2023**. For additional information, please contact: Sue Tenney, 601 Dempsey Road | Westerville, OH 43081 e: stenney@ngwa.org

Meeting Notices (Standards Developers)

ANSI Accredited Standards Developer

CSA - CSA America Standards Inc.

Meeting Time: June 22, 2023 at 11:30 am EDT

CSA Group Hydrogen Transportation Technical Committee will meet virtually on June 22, 2023 at 11:30 am EDT via Teleconference/WebEx. For those interested in participating or for additional information, contact Iris Monner at iris.monner@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)
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.

AAFS

American Academy of Forensic Sciences
410 North 21st Street
Colorado Springs, CO 80904
www.aafs.org

Teresa Ambrosius
tambrosius@aafs.org

AAMI

Association for the Advancement of
Medical Instrumentation

www.aami.org

Michael Miskell
mmiskell@aami.org

ABYC

American Boat and Yacht Council
613 Third Street, Suite 10
Annapolis, MD 21403
www.abycinc.org

Emily Parks
eparks@abycinc.org

ACP

American Clean Power Association
1501 M Street NW, Suite 1000
Washington, DC 22205
www.cleanpower.org

Duane Brown
dbrown@cleanpower.org

ADA (Organization)

American Dental Association
211 East Chicago Avenue
Chicago, IL 60611
www.ada.org

Paul Bralower
bralowerp@ada.org

AHRI

Air-Conditioning, Heating, and Refrigeration
Institute
2311 Wilson Boulevard, Suite 400
Arlington, VA 22201
www.ahrinet.org

Karl Best
kbest@ahrinet.org

AMCA

Air Movement and Control Association
30 West University Drive
Arlington Heights, IL 60004
www.amca.org

Joseph Brooks
jbrooks@amca.org

ANS

American Nuclear Society
555 North Kensington Avenue
La Grange Pk, IL 60526
www.ans.org

Patricia Schroeder
pschroeder@ans.org

ARESCA

American Renewable Energy Standards
and Certification Association
256 Farrell Farm Road
Norwich, VT 05055
www.aresca.us

George Kelly
secretary@aresca.us

ASABE

American Society of Agricultural and
Biological Engineers
2950 Niles Road
Saint Joseph, MI 49085
<https://www.asabe.org/>

Carla Companion
companion@asabe.org

Jean Walsh
walsh@asabe.org

ASC X9

Accredited Standards Committee X9,
Incorporated
275 West Street, Suite 107
Annapolis, MD 21401
www.x9.org

Ambria Calloway
Ambria.Calloway@X9.org

ASHRAE

American Society of Heating, Refrigerating
and Air-Conditioning Engineers, Inc.
180 Technology Parkway
Peachtree Corners, GA 30092
www.ashrae.org

Carmen King
cking@ashrae.org

Mark Weber
mweber@ashrae.org

Ryan Shanley
rshanley@ashrae.org

Thomas Loxley
tloxley@ashrae.org

ASME

American Society of Mechanical Engineers
Two Park Avenue, 6th Floor
New York, NY 10016
www.asme.org

Maria Acevedo
ansibox@asme.org

ASTM

ASTM International
100 Barr Harbor Drive
West Conshohocken, PA 19428
www.astm.org

Laura Klineburger
accreditation@astm.org

AWS

American Welding Society
8669 NW 36th Street, Suite 130
Miami, FL 33166
www.aws.org

Jennifer Molin
jmolin@aws.org

B11

B11 Standards, Inc.
P.O. Box 690905
Houston, TX 77269
<https://www.b11standards.org/>

Chris Felinski
cfelinski@b11standards.org

CSA

CSA America Standards Inc.
8501 East Pleasant Valley Road
Cleveland, OH 44131
www.csagroup.org

Debbie Chesnik
ansi.contact@csagroup.org

Donald Wong
donald.wong@csagroup.org

IAPMO (Z)

International Association of Plumbing &
Mechanical Officials
18927 Hickory Creek Drive, Suite 220
Mokena, IL 60448
<https://www.iapmostandards.org>

Terry Burger
terry.burger@asse-plumbing.org

IES

Illuminating Engineering Society
120 Wall Street, Floor 17
New York, NY 10005
www.ies.org

Patricia McGillicuddy
pmcgillicuddy@ies.org

NEMA (ASC C8)

National Electrical Manufacturers
Association
1300 North 17th Street, Suite 900
Arlington, VA 22209
www.nema.org

Khaled Masri
Khaled.Masri@nema.org

NEMTAC

Non Emergency Medical Transportation
Accreditation Commission
2307 S Rural Road
Tempe, AZ 85282
www.nemtac.co

Peter Hicks
phicks@nemtac.co

NFPA

National Fire Protection Association
One Batterymarch Park
Quincy, MA 02169
www.nfpa.org

Dawn Michele Bellis
dbellis@nfpa.org

NFRC

National Fenestration Rating Council
6305 Ivy Lane, Suite 140
Greenbelt, MD 20770
www.nfrc.org

Jen Padgett
jpadgett@nfrc.org

NSF

NSF International
789 N. Dixboro Road
Ann Arbor, MI 48105
www.nsf.org

Allan Rose
arose@nsf.org

Rachel Brooker
rbrooker@nsf.org

RVIA

Recreational Vehicle Industry Association
2465 J-17 Centreville Road, #801
Herndon, VA 20171
www.rvia.org

Tyler Reamer
treamer@rvia.org

TIA

Telecommunications Industry Association
1320 North Courthouse Road, Suite 200
Arlington, VA 22201
www.tiaonline.org

Teesha Jenkins
standards-process@tiaonline.org

ULSE

UL Standards & Engagement
12 Laboratory Drive
Research Triangle Park, NC 27709
<https://ulse.org/>

Annabelle Hollen
Annabelle.Hollen@ul.org

Grayson Flake
Grayson.Flake@ul.org

Haley Callahan
haley.callahan@ul.org

Jonette Herman
Jonette.A.Herman@ul.org

Julio Morales
Julio.Morales@UL.org

ULSE

UL Standards & Engagement
333 Pfingsten Road
Northbrook, IL 60062
<https://ulse.org/>

Alan McGrath
alan.t.mcgrath@ul.org

Isabella Brodzinski
isabella.brodzinski@ul.org

Megan Monsen
megan.monsen@ul.org

Megan Van Heirseeele
Megan.M.VanHeirseeele@ul.org

Raji Ghandour
raji.ghandour@ul.org

Susan Malohn
Susan.P.Malohn@ul.org

ULSE

UL Standards & Engagement
9 Burlington Crescent
Ottawa, ON K1T3L
<https://ulse.org/>

Celine Eid
celine.eid@ul.org

ISO & IEC Draft International Standards



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

COMMENTS

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

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

ORDERING INSTRUCTIONS

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

ISO Standards

Aircraft and space vehicles (TC 20)

ISO/DIS 1467, General purpose push-pull single-pole circuit-breakers for aircraft - Performance requirements - 7/14/2023, \$67.00

ISO/DIS 1509, General purpose push-pull three-pole circuit-breakers for aircraft - Performance requirements - 7/14/2023, \$62.00

ISO/DIS 19281, Air cargo - Fire resistant containers - Design, performance and testing requirements - 7/15/2023, \$67.00

ISO/DIS 12604-2.2, Aircraft ground handling - Checked baggage - Part 2: Handling requirements and guidelines - 5/4/2023, \$62.00

Audit data collection (TC 295)

ISO/DIS 5405, Audit Data Collection Extension: Government Regulated Financial Reports and Payroll - 7/13/2023, \$71.00

Dentistry (TC 106)

ISO/DIS 5365, Dentistry - Designation system for tooth developmental stages - 7/14/2023, \$46.00

Glass in building (TC 160)

ISO/DIS 20492-4, Glass in buildings - Insulating glass - Part 4: Methods of test for the physical attributes of edge seals - 7/15/2023, \$88.00

Hydrogen energy technologies (TC 197)

ISO/DIS 19885-1, Gaseous hydrogen - Fuelling protocols for hydrogen-fuelled vehicles - Part 1: Design and development process for fuelling protocols - 7/17/2023, \$102.00

Light gauge metal containers (TC 52)

ISO/DIS 24021-2, Light gauge metal containers - Vocabulary and classification - Part 2: General cans - 7/14/2023, \$77.00

Mechanical vibration and shock (TC 108)

ISO/DIS 13373-10, Condition monitoring and diagnostics of machines - Vibration condition monitoring - Part 10: Diagnostic techniques for electrical generators with an output over 50 MVA - 7/13/2023, \$82.00

Natural gas (TC 193)

ISO/DIS 2615, Analysis of natural gas -Biomethane - Determination of the content of compressor oil - 7/13/2023, \$58.00

Petroleum products and lubricants (TC 28)

ISO 3838:2004/DAmD 1, - Amendment 1: Crude petroleum and liquid or solid petroleum products - Determination of density or relative density - Capillary-stoppered pycnometer and graduated bicapillary pycnometer methods - Amendment 1 - 7/16/2023, \$29.00

ISO/DIS 3170, Petroleum liquids - Manual sampling - 7/16/2023, \$134.00

ISO/DIS 8943, Refrigerated light hydrocarbon fluids - Sampling of liquefied natural gas - Continuous and intermittent methods - 7/17/2023, \$98.00

Plain bearings (TC 123)

ISO/DIS 4379, Plain bearings - Copper alloy bushes - 7/13/2023, \$46.00

Quality management and corresponding general aspects for medical devices (TC 210)

ISO/DIS 80369-1, Small-bore connectors for liquids and gases in healthcare applications - Part 1: General requirements - 7/15/2023, \$112.00

Rolling bearings (TC 4)

ISO/DIS 16281, Rolling bearings - Methods for calculating the modified reference rating life for universally loaded bearings - 7/13/2023, \$102.00

Rubber and rubber products (TC 45)

ISO/DIS 1431-1, Rubber, vulcanized or thermoplastic - Resistance to ozone cracking - Part 1: Static and dynamic strain testing - 7/17/2023, \$88.00

Service activities relating to drinking water supply systems and wastewater systems - Quality criteria of the service and performance indicators (TC 224)

ISO/DIS 24566-2, Drinking water, wastewater and storm water systems and services - Adaptation of water services to climate change impacts - Part 2: Stormwater services - 7/13/2023, \$107.00

ISO/DIS 24591-2, Smart water management - Part 2: Data management guidelines - 7/13/2023, \$62.00

Steel (TC 17)

ISO/DIS 24476, Steel - Determination of oxygen - Infrared absorption method after fusion under inert gas (Routine method) - 7/13/2023, \$58.00

Sustainable development in communities (TC 268)

ISO/DIS 37175, Smart community infrastructures - Operation and maintenance of utility tunnels - 7/13/2023, \$82.00

Traditional Chinese medicine (TC 249)

ISO/DIS 8071, Traditional Chinese Medicine - Ligusticum chuanxiong rhizome - 7/14/2023, \$62.00

Transport information and control systems (TC 204)

ISO/DIS 21219-7, Intelligent transport systems - Traffic and travel information (TTI) via transport protocol experts group, generation 2 (TPEG2) - Part 7: Location referencing container (TPEG2-LRC) - 7/15/2023, \$62.00

ISO/DIS 21219-21, Intelligent transport systems - Traffic and travel information (TTI) via transport protocol experts group, generation 2 (TPEG2) - Part 21: Geographic location referencing (TPEG-GLR) - 7/15/2023, \$93.00

ISO/DIS 21219-25, Intelligent transport systems - Traffic and travel information (TTI) via transport protocol experts group, generation 2 (TPEG2) - Part 25: Electromobility charging infrastructure (TPEG2-EMI) - 7/15/2023, \$134.00

ISO/IEC JTC 1, Information Technology

ISO/IEC DIS 16022, Information technology - Automatic identification and data capture techniques - Data Matrix bar code symbology specification - 7/17/2023, \$155.00

ISO/IEC DIS 5259-1, Artificial intelligence - Data quality for analytics and machine learning (ML) - Part 1: Overview, terminology, and examples - 7/15/2023, \$77.00

ISO/IEC DIS 5259-3, Artificial intelligence - Data quality for analytics and machine learning (ML) - Part 3: Data quality management requirements and guidelines - 7/15/2023, \$82.00

ISO/IEC DIS 5259-4, Artificial intelligence - Data quality for analytics and machine learning (ML) - Part 4: Data quality process framework - 7/15/2023, \$88.00

ISO/IEC DIS 14888-4, Information security - Digital signatures with appendix - Part 4: Stateful hash-based mechanisms - 7/17/2023, \$125.00

ISO/IEC DIS 19788-1, Information technology - Learning, education and training - Metadata for learning resources - Part 1: Framework - 7/15/2023, \$155.00

ISO/IEC DIS 30105-2, Information technology - IT Enabled Services-Business Process Outsourcing (ITES-BPO) lifecycle processes - Part 2: Process assessment model (PAM) - 7/14/2023, \$175.00

ISO/IEC DIS 30105-3, Information technology - IT Enabled Services-Business Process Outsourcing (ITES-BPO) lifecycle processes - Part 3: Measurement framework (MF) and organization maturity model (OMM) - 7/15/2023, \$93.00

ISO/IEC DIS 30105-5, Information technology - IT Enabled Services-Business Process Outsourcing (ITES-BPO) lifecycle processes - Part 5: Guidelines - 7/15/2023, \$98.00

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

94/864/CD, IEC 61810-7-0 ED1: Electrical relays - Tests and Measurements - Part 7-0: General and Guidance, 06/23/2023

94/862/CD, IEC 61810-7-35 ED1: Electrical relays - Tests and Measurements - Part 7-35: Resistance to cleaning solvents, 06/23/2023

94/863/CD, IEC 61810-7-5 ED1: Electrical relays - Tests and Measurements - Part 7-5: Insulation resistance, 06/23/2023

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

46/940A/NP, PNW 46-940 ED1: Radio frequency and coaxial cable assemblies- Part 4-4: Detail specification for multi channel semi-rigid cable assemblies, frequency up to 6000MHz, with type 50-5 semi-rigid coaxial cable, 07/07/2023

46F/642/NP, PNW 46F-642 ED1: Radio-frequency connectors- Part 1-X: Mechanical test methods- Safety wire hole pull-out, 07/21/2023

Capacitors and resistors for electronic equipment (TC 40)

40/3053/NP, PNW 40-3053 ED1: FIXED RESISTORS FOR USE IN ELECTRONIC EQUIPMENT - Part 2-20: Blank detail specification: Low-power film resistors with leads for through-hole assembly on circuit boards (THT), for high-performance and high-reliable electronic equipment, classification level P and R, 07/21/2023

Electric traction equipment (TC 9)

9/2946/CDV, IEC 62290-1 ED3: Railway applications - Urban guided transport management and command/control systems - Part 1: System principles and fundamental concepts, 07/21/2023

9/2947/CDV, IEC 62290-2 ED3: Railway applications - Urban guided transport management and command/control systems - Part 2: Functional requirements specification, 07/21/2023

9/2948/CDV, IEC 62290-3 ED2: Railway applications - Urban guided transport management and command/control systems - Part 3: System requirements specification, 07/21/2023

Electrical accessories (TC 23)

23H/528/CD, IEC 63407 ED1: Conductive charging of electric vehicles - Contact interface for automated connection device (ACD), 07/21/2023

23K/86/NP, PNW 23K-86 ED1: Energy Efficiency Systems - Smart Grid - Customer Energy Management Systems - Interface between the Home/Building CEM and Resource manager(s) - Data model and messaging, 07/21/2023

Electrical Energy Storage (EES) Systems (TC 120)

120/320/CD, IEC TR 62933-3-200 ED1: Electrical Energy Storage (EES) Systems - Part 3-200: Design principles of electrochemical based EES systems, 06/23/2023

Electrical installations of buildings (TC 64)

64/2617/FDIS, IEC 60364-7-716 ED1: Low-voltage electrical installations - Part 7-716: Requirements for special installations or locations - ELV DC power distribution over information and communications technology (ICT) cable infrastructure, 06/09/2023

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

104/980/CDV, IEC 60068-2-86 ED1: Environmental Testing - Part 2-86: Tests-Test Fx: Multi-Exciter and Multi-Axis Shock and Vibration Testing and Guidance, 07/21/2023

104/986(F)/FDIS, IEC 60068-3-1 ED3: Environmental testing - Part 3-1: Supporting documentation and guidance - Cold and dry heat tests, 05/19/2023

104/985(F)/FDIS, IEC 60068-3-4 ED2: Environmental testing - Part 3-4: Supporting documentation and guidance - Damp heat tests, 05/19/2023

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

13/1890/FDIS, IEC 62056-5-3 ED4: Electricity metering data exchange - The DLMS/COSEM suite - Part 5-3: DLMS/COSEM application layer, 06/09/2023

13/1891/FDIS, IEC 62056-6-2 ED4: Electricity metering data exchange - The DLMS/COSEM suite - Part 6-2: COSEM interface classes, 06/09/2023

Fibre optics (TC 86)

86B/4757/FDIS, IEC 61300-3-45 ED2: Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-45: Examinations and measurements - Attenuation of random mated multi-fibre connectors, 06/09/2023

Flat Panel Display Devices (TC 110)

110/1507/CDV, IEC 62629-52-1 ED1: 3D displays - Part 52-1: Fundamental measurement methods of aerial display - Optical, 07/21/2023

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

115/333/CD, IEC TS 63336 ED1: Commissioning of VSC HVDC systems, 07/21/2023

High-voltage testing techniques (TC 42)

42/416(F)/CDV, IEC 60060-2 ED4: High-voltage test techniques - Part 2: Measuring systems, 07/14/2023

Industrial electroheating equipment (TC 27)

27/1163/CDV, IEC 60676 ED4: Industrial electroheating equipment - Test methods for direct arc furnaces, 07/21/2023

27/1161/CDV, IEC/IEEE 62395-1 ED1: Electrical resistance trace heating systems for industrial and commercial applications - Part 1: General and testing requirements, 07/21/2023

27/1162/CDV, IEC/IEEE 62395-2 ED1: Electrical resistance trace heating systems for industrial and commercial applications - Part 2: Application guide for system design, installation and maintenance, 07/21/2023

Industrial-process measurement and control (TC 65)

65E/1006/NP, PNW 65E-1006 ED1: ENGINEERING DATA EXCHANGE FORMAT FOR USE IN INDUSTRIAL AUTOMATION SYSTEMS ENGINEERING - Automation Markup Language - Part 6: AutomationML Components, 05/26/2023

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

109/218/CD, IEC 60664-1/AMD1 ED3: Amendment 1 - Insulation coordination for equipment within low-voltage supply systems - Part 1: Principles, requirements and tests, 07/21/2023

Lamps and related equipment (TC 34)

34B/2170/CDV, IEC 60061-PR2023-1 ED3: Lamp caps and holders together with gauges for the control of interchangeability and safety - Gauges for holders GJ6.6 in 7005-188, 07/21/2023

34/1049/NP, PNW 34-1049 ED1: Digital addressable lighting interface - Part 351: Particular requirements - Control devices - Luminaire-mounted control devices, 07/21/2023

Nuclear instrumentation (TC 45)

45B/1030/CD, IEC 60761-2 ED3: Equipment for continuous monitoring of radioactivity in gaseous effluents - Part 2: Specific requirements for radioactive aerosol monitors including transuranic aerosols, 07/21/2023

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

49/1421/DTS, IEC TS 61994-5 ED2: Piezoelectric, dielectric and electrostatic devices and associated materials for frequency control, selection and detection - Glossary - Part 5: Piezoelectric sensors, 07/21/2023

Power capacitors (TC 33)

33/690/CDV, IEC 60143-1/AMD1 ED5: Amendment 1 - Series capacitors for power systems - Part 1: General, 07/21/2023

Power electronics (TC 22)

22F/729/NP, PNW TS 22F-729 ED1: High-voltage direct current (HVDC) systems - Guidance to the specification and design evaluation of AC filters - Part 2: Harmonic performance aspects, 07/21/2023

22F/730/NP, PNW TS 22F-730 ED1: High-voltage direct current (HVDC) systems - Guidance to the specification and design evaluation of AC filters - Part 3: Modelling aspects, 07/21/2023

Printed Electronics (TC 119)

119/432/NP, PNW 119-432 ED1: IEC 62899-202-11 Printed electronics: Materials - Conductive ink - Measurement method of electrical resistance uniformity for large area printed conductive layers, 07/21/2023

Rotating machinery (TC 2)

2/2132/CDV, IEC 60034-12 ED4: Rotating electrical machines - Part 12: Starting performance of single-speed three-phase cage induction motors, 07/21/2023

Safety of machinery - Electrotechnical aspects (TC 44)

44/995/CDV, IEC 62061/AMD1 ED2: Amendment 1 - Safety of machinery - Functional safety of safety-related control systems, 07/21/2023

Solar photovoltaic energy systems (TC 82)

82/2140(F)/FDIS, IEC 61730-1 ED3: Photovoltaic (PV) module safety qualification - Part 1: Requirements for construction, 05/19/2023

Standard voltages, current ratings and frequencies (TC 8)

8B/170/CD, IEC TS 63427 ED1: Guideline for the adjustment potential evaluation of demand side resources, 07/21/2023

Surface mounting technology (TC 91)

91/1861/DTR, IEC/TR 61760-5-1 Ed. 1.0: SURFACE STRAIN ON CIRCUIT BOARDS - Part 1: Strain gauge measurement applied to chip components, 06/23/2023

Switchgear and controlgear (TC 17)

17A/1379/DTS, IEC TS 62271-319 ED1: Alternating current circuit-breakers intended for controlled switching, 07/21/2023

(TC)

CIS/A/1391(F)/FDIS, CISPR 16-2-3/AMD2 ED4: Amendment 2: Specification for radio disturbance and immunity measuring apparatus and methods - Part 2-3: Methods of measurement of disturbances and immunity - Radiated disturbance measurements, 05/12/2023

SyCSM/81/DTS, IEC SRD 63456 ED1: Systems Reference Deliverable (SRD) - Navigation Tools for Smart Manufacturing, 07/21/2023

ISO/IEC JTC 1, Information Technology

(JTC1)

JTC1-SC43/53/NP, PNW TS JTC1-SC43-53 ED1: Information
Technology - Brain-computer Interfaces - BCI data format for
Non-Invasive brain information collection, 07/21/2023



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

Aircraft and space vehicles (TC 20)

[ISO 23629-5:2023](#), UAS traffic management (UTM) - Part 5: UTM functional structure, \$116.00

[ISO 23629-8:2023](#), UAS traffic management (UTM) - Part 8: Remote identification, \$77.00

Brand evaluation (TC 289)

[ISO 20671-3:2023](#), Brand evaluation - Part 3: Requirements and recommendations for brands related to geographical indications, \$77.00

Geographic information/Geomatics (TC 211)

[ISO 19156:2023](#), Geographic information - Observations, measurements and samples, \$263.00

Information and documentation (TC 46)

[ISO 16245:2023](#), Information and documentation - Boxes, file covers and other enclosures, made from cellulosic materials, for storage of paper and parchment documents, \$77.00

Plastics pipes, fittings and valves for the transport of fluids (TC 138)

[ISO 161-1:2018/Amd 1:2023](#), - Amendment 1: Thermoplastics pipes for the conveyance of fluids - Nominal outside diameters and nominal pressures - Part 1: Metric series - Amendment 1, \$22.00

[ISO 8639:2023](#), Glass-reinforced thermosetting plastics (GRP) pipes and fittings - Test methods for leaktightness and proof of structural design of flexible joints, \$77.00

Rubber and rubber products (TC 45)

[ISO 1407:2023](#), Rubber - Determination of solvent extract, \$157.00

Safety of machinery (TC 199)

[ISO 13849-1:2023](#), Safety of machinery - Safety-related parts of control systems - Part 1: General principles for design, \$263.00

Security (TC 292)

[ISO 22342:2023](#), Security and resilience - Protective security - Guidelines for the development of a security plan for an organization, \$77.00

Textiles (TC 38)

[ISO 5162:2023](#), Textiles - Quality labelling specification for dehaired cashmere, \$116.00

Tyres, rims and valves (TC 31)

[ISO 24469:2023](#), Road wear test of studded tyres, \$77.00

Welding and allied processes (TC 44)

[ISO 18274:2023](#), Welding consumables - Solid wire electrodes, solid strip electrodes, solid wires and solid rods for fusion welding of nickel and nickel alloys - Classification, \$183.00

ISO Technical Reports

Ergonomics (TC 159)

[ISO/TR 7015:2023](#), Ergonomics - The application of ISO/TR 12295, ISO 11226, the ISO 11228 series and ISO/TR 23476 in the construction sector (civil construction), \$263.00

ISO Technical Specifications

Geographic information/Geomatics (TC 211)

[ISO/TS 19124-1:2023](#), Geographic information - Calibration and validation of remote sensing data and derived products - Part 1: Fundamentals, \$237.00

Road vehicles (TC 22)

[ISO/TS 20459:2023](#), Road vehicles - Injury risk functions for advanced pedestrian legform impactor (aPLI), \$263.00

Transport information and control systems (TC 204)

[ISO/TS 5206-1:2023](#), Intelligent transport systems - Parking - Part 1: Core data model, \$263.00

ISO/IEC JTC 1, Information Technology

[ISO/IEC 13818-1:2022/Cor 1:2023](#), Corrigendum, FREE

[ISO/IEC 14776-253:2023](#), Information technology - Small Computer System Interface (SCSI) - Part 253: USB attached SCSI - 3 (UAS-3), \$210.00

[ISO/IEC 14543-4-302:2023](#), Information technology - Home Electronic System (HES) architecture - Part 4-302: Application protocols for electrical storage systems and controllers, \$237.00

IEC Standards

Capacitors and resistors for electronic equipment (TC 40)

[IEC 60384-25 Ed. 3.0 b Cor.1:2023](#), Corrigendum 1 - Fixed capacitors for use in electronic equipment - Part 25: Sectional specification - Fixed aluminium electrolytic surface mount capacitors with conductive polymer solid electrolyte, \$0.00

Fibre optics (TC 86)

[IEC 61300-3-33 Ed. 3.0 b Cor.1:2023](#), Corrigendum 1 - Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-33: Examinations and measurements - Withdrawal force from a resilient alignment sleeve using pin gauges, \$0.00

International Organization for Standardization (ISO)

Call for Comment on ISO Standard

Integrated Pest Management for Crops

Comment Deadline: May 26, 2023

SAC, the ISO member body for China, has submitted to ISO a proposal for a new field of ISO technical activity on Integrated Pest Management for Crops, with the following scope statement:

Standardization of integrated pest management in crop production process, including management services, effectiveness assessments, testing and analysis and other related standards which involved in the process of monitoring and forecasting, prevention and control and emergency measures.

Excluded:

- Tractors and machinery for agriculture and forestry (covered by ISO/TC 23)
- Common names for pesticides and other agrochemicals (covered by ISO/TC 81)
- Personal safety -- Personal protective equipment (covered by ISO/TC94)

Note: Crops refer to all kinds of plants cultivated in agriculture, including food crops, cash crops, industrial raw material crops, feed crops, etc.

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, May 26, 2023.

Establishment of ISO Technical Committee

ISO/TC 17/SC 21 – Environment related to climate change in the iron and steel industry

.ISO/TC 17 – *Steel* has created a new ISO Subcommittee on *Environment related to climate change in the iron and steel industry* (ISO/TC 17/SC 21). The Secretariat has been assigned to Japan (JISC).

ISO/TC 17/SC 21 operates under the following scope:

Development of standards in the field of Environment related to climate change in the iron and steel industry within the scope of ISO/TC 17:

Standardization in the field of cast, wrought and cold-formed steel, including technical delivery conditions for steel tubes for pressure purposes.

Excluded: steel tubes within the scope of ISO/TC 5; line pipe, casing, tubing and drill pipe within the scope of ISO/TC 67; methods of mechanical testing of metals within the scope of ISO/TC 164.

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

International Organization for Standardization (ISO)

Re-establishment of ISO Technical Committee

ISO/TC 101 – Continuous mechanical handling equipment

The ISO Technical Management Board (TMB) has recently approved the re-establishment of ISO/TC 101 – *Continuous mechanical handling equipment*. The Secretariat has been assigned to Germany (DIN).

ISO/TC 101 operates under the following scope:

Standardization in the field of continuous mechanical handling equipment for loose bulk materials or unit loads, comprising terminology, general design and construction, leading dimensions, safety requirements and testing and inspection methods.

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

Meeting Notices (International)

ANSI Accredited U.S TAG to ISO

JTC 1/SC 36, Information technology for learning, education and training

Establishment of a New Technical Committee INCITS/Education - Zoom on Tuesday, May 23, 2023 Meeting Notice and Call for Members

At the March 2023 INCITS Executive Board meeting, a new Technical Committee (TC), INCITS/Education, was established. The TC will serve as the **U.S. TAG to ISO/IEC JTC 1 Subcommittee 36 - Information Technology for Learning, Education and Training**.

The scope of work is standardization in the field of information technologies for learning, education, and training to support individuals, groups, or organizations, and to enable interoperability and reusability of resources and tool.

Excluded from this scope are:

- standards or technical reports that define educational standards (competencies), cultural conventions, learning objectives, or specific learning content.
- work done by other ISO or IEC TCs, SCs, or WGs with respect to their component, specialty, or domain. Instead, when appropriate, normative or informative references to other standards shall be included. Examples include documents on special topics such as multimedia, web content, cultural adaptation, and security.

RSVPs for the meeting should be submitted to Bill Ash (bash@itic.org) as soon as possible.

Organizational Meeting – Tuesday, May 23, 2023. The organizational meeting of the new TC on INCITS/Education will be held electronically via **Zoom on Tuesday, May 23, 2023** (1:00 PM to 4:00 PM (Eastern) / 10:00 AM to 1:00 PM (Pacific)).

Membership – Membership in INCITS is open to all directly and materially interested parties who return a signed INCITS Membership Agreement and pay the applicable service fees. For more information, click [here](#).

Registration of Organization Names in the United States

The Procedures for Registration of Organization Names in the United States of America (document ISSB 989) require that alphanumeric organization names be subject to a 90-day Public Review period prior to registration. For further information, please contact the Registration Coordinator at (212) 642-4975.

When organization names are submitted to ANSI for registration, they will be listed here alphanumerically.

Alphanumeric names appearing for the first time are printed in bold type. Names with confidential contact information, as requested by the organization, list only public review dates.

Public Review

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

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

Proposed Foreign Government Regulations

Call for Comment

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

Online Resources:

WTO's ePing SPS&TBT platform: <https://epingalert.org/>

Register for ePing: <https://epingalert.org/en/Account/Registration>

WTO committee on Agriculture, Sanitary and Phytosanitary (SPS) measures:

https://www.wto.org/english/tratop_e/sps_e/sps_e.htm

WTO Committee on Technical Barriers to Trade (TBT): https://www.wto.org/english/tratop_e/tbt_e/tbt_e.htm

USA TBT Enquiry Point: <https://www.nist.gov/standardsgov/usa-wto-tbt-enquiry-point>

Comment guidance:

<https://www.nist.gov/standardsgov/guidance-us-stakeholders-commenting-notifications-made-wto-members-tbt-committee>

NIST: <https://www.nist.gov/>

TANC: <https://www.trade.gov/office-trade-agreements-negotiation-and-compliance-tanc>

Examples of TBTs: https://tcc.export.gov/report_a_barrier/trade_barrier_examples/index.asp.

Report Trade Barriers: https://tcc.export.gov/Report_a_Barrier/index.asp.

USDA FAS: <https://www.fas.usda.gov/about-fas>

FAS contribution to free trade agreements: <https://www.fas.usda.gov/topics/trade-policy/trade-agreements>

Tracking regulatory changes: <https://www.fas.usda.gov/tracking-regulatory-changes-wto-members>

USTR WAMA: <https://ustr.gov/trade-agreements/wto-multilateral-affairs/wto-issues/technical-barriers-trade>

Contact the USA TBT Enquiry Point at (301) 975-2918; E usatbtep@nist.gov or notifyus@nist.gov.



**BSR/ASHRAE Addendum g
to ANSI/ASHRAE Standard 90.4-2022**

Second Public Review Draft

**Proposed Addendum g
to Standard 90.4-2019, *Energy*
*Standard for Data Centers***

**Second Public Review (May,2023)
(Draft Shows Proposed Changes to Previous Addendum)**

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

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

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

BSR/ASHRAE Addendum g to ANSI/ASHRAE Standard 90.4-2022, *Energy Standard for Data Centers* Second Public Review Draft, Independent Substantive Changes

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Foreword

This addendum makes changes to Addendum g. Definitions were modified in section 3 and mandatory language in Section 6 to support the regulation of process heat and process ventilation was moved in the section for clarity. Other changes are added based on comments from the first public review including changes to informative notes.

[Note to Reviewers: This addendum makes proposed changes to the 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 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 (2nd PPR ISC) to Standard 90.4-2022

Modify Section 3 as follows

3. DEFINITIONS

annualized mechanical load component (annualized MLC): The result of dividing the sum of the annual process cooling energy, annual process heating energy, and annual process ventilation energy by the annual total data center energy as precisely defined by equation 6.5. ~~The annualized MLC value is precisely defined by equation 6.5. A design professional calculates a particular data center system's annualized MLC by modeling the routine intended electrical and mechanical efficiency for each hour, or bin, of a standard local year's weather, across several ITE part load power levels. The resulting calculated value, once reviewed, becomes the annualized MLC compliance value for that particular electrical and mechanical design for that data center's initial construction or subsequent modification.~~

bins: ~~in the context of the annualized MLC, refers to the practice of organizing 8760 hourly data points into closely similar closely similar groupings (or bins) in order to simplify annual calculations. For 90.4 bin requirements see Section 6.5.1.~~

conditioned floor area: The floor area of room(s), designed for a data center's ITE that receive cooling and/or heating to maintain temperature and/or humidity. ~~, including the footprint of any distributed HVAC and UPS equipment and all floorspace required by component manufacturers and for equipment replacement in place. (See "white space" in Figure C-1 of INFORMATIVE APPENDIX C).~~

cooling energy: the sum of all routine annual site energy in kilowatt hours required to provide cooling or heat rejection via vapor compression, ~~ventilation~~, dehumidification, humidification, evaporation, absorption, adsorption, or other means including the seasonal direct or indirect use of cooler outdoor air, including the flow of heat transfer fluids. ~~Cooling energy includes energy input to pumps and fans however long they provide cooling, also any energy input~~

BSR/ASHRAE Addendum g to ANSI/ASHRAE Standard 90.4-2022, *Energy Standard for Data Centers* Second Public Review Draft, Independent Substantive Changes

necessary to remove this fan heat. *Cooling energy* does not include input energy for fans intrinsic to the *ITE* nor to *UPS equipment*. The branch circuit energy, or controller input energy for fans that are not intrinsic to the *ITE* (for example installed nearby to remove heat using baffles, cooling coils, or *cabinet* wide fan arrays) are included in *cooling energy* even if their electrical power is to be routed through the *UPS*. Calculations shall be corrected so input *cooling energy* represents the effect of any freeze protection added by design to circulating fluids in the *data center cooling systems*. In the case of cooling provided by a source other than electricity, the *energy* consumption shall be converted to input kilowatt hours (input kWh = output kWh / overall cooling *efficiency* at that hour). See section 6.5.3-6.5.6 for additional information.

heating energy: the routine annual input energy in kilowatt hours to data center systems intentionally designed to raise the temperature of a liquid or the temperature or humidity of an air stream, including the flow of heat transfer fluids. Heating energy does not include any *ITE* equipment heat output, nor input energy to fans in heat rejection equipment outside the building envelope. Input energy to *ITE* process heating and process ventilation fans (while providing heat to data center systems) are included in heating energy. Estimated annual energy for freeze protection of cooling tower basins, tanks and pipes are to be included in the data center's heating energy. Use of recovered energy shall not increase heating energy totals in the MLC calculation. In the case of heating provided by a source other than electricity, the energy consumption shall be converted to input kilowatt hours (input kWh = output kWh / heater overall efficiency at that hour) See section 6.5.7 – 6.5.9 for additional information.

motor brake power: the power delivered from the motor's output including Motor Brake power includes the mechanical drive losses (e.g., belts, gears) in the conditioned *space*, so it best represents system energy consumed.

process cooling segment: the process cooling segment of the annualized MLC shall include all routine annual cooling energy required to remove the ITE heat and reject the losses calculated for in the *design ELC*; that is, the losses in the conditioned electrical segments in that particular data center electrical design. If the process cooling and process ventilation share the same fan, that fan energy may be adequately accounted for in the process cooling segment. Energy input to seasonal relief fans is included in the process cooling segment. If the incoming electrical service segment is cooled by fan, that cooling energy is included in the process cooling segment. If the cooling system is shared (designed to also routinely I see Section 11.3 for instructions to calculate annualized MLC.

process heating segment: the process heating segment of the annualized MLC shall include all routine annual *heating energy* required to maintain the design temperature of standby power systems and their rooms or enclosures. The process heating segment includes input to any generator engine block or generator coolant heaters that are part of the design, as well as estimates of annual heat consumed by tank heaters, tower basin heaters, and any other data center site freeze protection. Data center systems' recovered heat is considered to be free (of any requirement to include its input energy kWh in the annualized MLC compliance calculations), so the process heating segment value does not increase when any recovered heat is designed to be used for process heating or any other purpose (such as outdoor ice melting). The process heating segment does not include any heating energy accounted for in the process ventilation segment. If the heating system is shared (designed to also routinely heat non data center spaces) see Section 11.3 for instructions to calculate annualized MLC.

process ventilation segment: the *process ventilation system* of the annualized MLC shall include all routine annual *heating energy* and *cooling energy* of the *data center systems* designed to humidify or dehumidify the data center and to introduce outside air for continuous *ventilation* or pressurization and to power any continuous exhaust. If the *process cooling* and *process ventilation segments* share the same fan, that fan energy may be included in the *process cooling segment*, only. Data center systems' recovered heat is considered to be free (of any requirement to include its *input energy* kWh in the annualized MLC compliance calculations), so the *process ventilation segment* does not increase due to any recovered heat used to reduce *heating energy* in the *process ventilation segment*. If the *ventilation system* is shared (designed to also routinely ventilate non data center spaces) see Section 11.3 for instructions to calculate annualized MLC.

Informative Note: The *process ventilation segment* compliance value is based only on a minimum *ambient air* flow, so both the *process cooling* and the *process ventilation segments* can reduce their calculated values with economizer designs that increase *ambient air* exchange for process cooling or reduce *ventilation* temperature during appropriately cooler weather.

Modify Section 6.1.1.2 as follows:

6.1.1.2 Additions to Existing Buildings. ~~New mechanical~~ **Mechanical** equipment and systems installed to serve the heating, cooling, or ventilating needs of data centers in additions shall comply with the requirements of ~~this~~ section 4.2.1.2

Exception to 6.1.1.2:

Where existing HVAC systems and equipment are extended to a data center addition, such existing systems and equipment shall not be required to comply with this standard. ~~However, any new systems or equipment installed must comply with specific requirements applicable to those systems and equipment, see Section 4.2.1.2.~~

...

Modify Section 6.5. Informative Notes as follows:**Informative Notes:**

1. All values are in kWh of annual energy. See section 6.5.1 for MLC calculation requirements.
2. The calculated *annualized MLC* does not directly compare to a data center's annual measured design power usage effectiveness (PUE); the calculated *annualized MLC* is calculated using archived weather (not measured during actual weather) and does not take any electrical distribution losses into account.
3. Examples of annualized MLC calculations reviewed by the committee members have been provided at <https://www.ashrae.org/technical-resources/bookstore/supplemental-files/supplemental-files-for-ansi-ashrae-standard-90-4-2019>.
4. The process cooling segment values were based on 20°F (11°C) HVAC ΔT ~~for air pulled through ITE, and a~~ design return air temperature of 85°F (29°C). These maximum annualized MLC values were developed using equipment currently available from multiple manufacturers. For compliance calculations, use the space design condition(s) and ITE ΔT specific to the project.
5. The *process heating segment* values for data center ITE power > 300 kW are based on an indoor heated space with insulation meeting ASHRAE 90.1. The *process heating segment* values for data center ITE power = 300 kW were based on individual manufacturer's outdoor enclosures. Those enclosures and spaces typically stay heated 24x7, for ready serviceability. Generator coolant heaters were based on thermostat control of resistance heat, set to 120° with a coolant pump operating, and generator heat contributing to room or enclosure heating. All of the design's generators were assumed to be installed and heated at each (25%, 50%, 75%, 100%) of the calculated ITE levels.
6. The *process ventilation* segment values were based on a system that introduces, or pressurizes the data center with 3.8 cfm of outside air per kW of part-load ITE power, full time. Preheat and direct humidification were assumed along with DX dehumidification to keep the data center dew point within Thermal Guidelines for Data Processing Environments, 4th Edition, recommended thermal envelope. For data centers with ITE power >300 kW, that *ventilation* preheat was assumed to be mostly avoided or recovered.
7. A design professional calculates a particular data center system's annualized MLC by modeling the routine intended electrical and mechanical efficiency for each hour, or bin, of a standard local year's weather, across several ITE part-load power levels. The resulting calculated value, once reviewed, becomes the annualized MLC compliance value for that particular electrical and mechanical design for that data center's initial construction or subsequent modification.

Add Informative note to Section 6.5.2 (a) as follows:**6.5.2 Annualized MLC Calculation Compliance Requirements:**

- a. Weather data shall be taken exclusively from the NSRB Typical Meteorological Year Version (TMY3) file for a site with location and altitude nearest the data center site.

Informative Note: Some bins will contain more annual hours than other bins, and so are proportionally factored into the model's annual results.

....

Add Section 6.5.3 through 6.5.9 with Informative Note as follows:

6.5.3 Cooling energy shall include, but is not limited to, input energy from the following equipment.

- a. chillers
- b. heat pumps
- c. air conditioners
- d. fan systems part of any cooling or heat rejection system, including cabinet fans
- e. pump systems part of any cooling or heat rejection system
- f. relief fans required due to the seasonal direct use of outdoor air
- g. cooling towers and other heat rejection systems

6.5.4 Cooling energy shall represent the effect of any freeze-protection chemicals added to circulating fluids.

6.5.5 Cooling energy shall not include input energy from the following equipment.

- a. fans intrinsic to the ITE
- b. fans intrinsic to the UPS equipment
- c. cooling energy required for ventilation or makeup air if already included in the process ventilation segment.

6.5.6 In the case of cooling provided by a source other than electricity, the energy consumption shall be converted to input kilowatt-hours (input kWh = output kWh / overall cooling efficiency at that hour).

6.5.7 Heating energy shall include, but is not limited to, input energy from the following equipment.

- a. heaters associated with generators (e.g. battery heaters, enclosure heaters, block heaters, coolant heaters, etc.)
- b. heaters for freeze protection (e.g. tank heaters, tower basin heaters, pipe heaters, heat trace, etc.)

6.5.8 Heating energy shall not include the following.

- a. input energy from heat recovery systems. See section 11.3 for details.
- b. heating energy for ventilation or makeup air if already included in the process ventilation segment.

6.5.9 In the case of heating provided by a source other than electricity, the energy consumption shall be converted to input kilowatt-hours (input kWh = output kWh / overall heating efficiency at that hour)

Informative Note: If the process cooling and process ventilation share the same fan or cooling machinery, that fan or cooling machinery energy may be adequately accounted for in the process cooling segment.



**BSR/ASHRAE/ASHE Addendum e
to ANSI/ASHRAE/ASHE Standard 189.3-2021**

Public Review Draft

**Proposed Addendum e to
Standard 189.3-2021, Design,
Construction, and Operation of
Sustainable High-Performance
Health Care Facilities**

**First Public Review (May 2023)
(Draft shows Proposed Changes to Current Standard)**

This draft has been recommended for public review by the responsible project committee. To submit a comment on this proposed standard, go to the ASHRAE website at **Error! Hyperlink reference not valid.** <https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts> and access the online comment database. The draft is subject to modification until it is approved for publication by the Board of Directors and ANSI. Until this time, the current edition of the standard (as modified by any published addenda on the ASHRAE website) remains in effect. The current edition of any standard may be purchased from the ASHRAE Online Store at www.ashrae.org/bookstore or by calling 404-636-8400 or 1-800-727-4723 (for orders in the U.S. or Canada).

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

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BSR/ASHRAE/ASHE Addendum e to ANSI/ASHRAE/ASHE Standard 189.3-2021, *Design, Construction, and Operation of Sustainable High-Performance Health Care Facilities*

First Public Review Draft

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FOREWORD

This proposed addendum revises the Title, Purpose, and Scope (TPS) of Standard 189.3 to better align with ANSI/ASHRAE/ICC/USGBC/IES 189.1, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings and the industry change to decarbonize the built environment.

Note: 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 e to Standard 189.3-2021

Modify Title, Purpose, and Scope as follows.

TITLE: DESIGN, CONSTRUCTION, AND OPERATION OF SUSTAINABLE HIGH-PERFORMANCE HEALTH CARE FACILITIES

1. PURPOSE

1.1 ~~The purpose of this standard is to prescribe the procedures, methods and documentation requirements for the~~ provide minimum requirements for the siting, design, construction and operation of high-performance sustainable health care facilities to:

- a. Reduce emissions, enhance occupant health and comfort, conserve water, protect local biodiversity and ecosystems services, promote sustainable and regenerative materials cycles, and enhance resilience; and
- b. Support the goal of development that meets the needs of the present without compromising the ability of future generations to meet their own needs, including decarbonization of the building environment.

1.2 This standard provides requirements that can be adopted by national and local jurisdictions.

2. SCOPE

2.1 This standard applies to patient care areas and related support areas within health care facilities and their site, including hospitals, ~~nursing facilities,~~ outpatient facilities, residential health, care and support facilities, ~~and their site.~~

2.2 This standard applies to new buildings, additions to existing buildings, and those alterations to existing buildings that are identified within the standard.

2.3 This standard provides procedures for the integration of sustainable principles into the health care facility design, construction, and operation process, including

- a. integrated design,
- b. conservation of water,
- c. conservation of energy,
- d. indoor environmental quality (IEQ),
- e. construction practices,
- f. commissioning, and
- g. operations and maintenance.

BSR/ASHRAE/ASHE Addendum e to ANSI/ASHRAE/ASHE Standard 189.3-2021, *Design, Construction, and Operation of Sustainable High-Performance Health Care Facilities*

First Public Review Draft

2.4 The requirements in this standard shall not be used to circumvent any applicable safety, health, reimbursement, or environmental requirements.

Public Review Draft

Proposed Addendum ak to Standard 189.1-2020

Standard for the Design of High- Performance Green Buildings Except Low-Rise Residential Buildings

Second Public Review Independent Substantive Changes (May, 2023)
(Draft Shows Proposed Changes to First Public Review Draft)

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BSR/ASHRAE/ICC/USGBC/IES Addendum *ak* to ANSI/ASHRAE/ICC/USGBC/IES Standard 189.1-2020, *Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings* Second Public Review Draft, Independent Substantive Changes

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Foreword

This addendum aligns with the requirements proposed for EPD disclosure in Addendum z. The requirements include a minimum number of procured products to meet GWP limits set at 125% of the industry-wide EPD average. Flexibility is allowed in selecting which products are subject to the limits.

A jurisdiction-determined percentage of the cost of procured products must have a global warming potential (GWP) less than 125% of the industry average. In addition to the jurisdiction selected percentage, a minimum of 10 building products, and all of the building products representing not less than 5% of the total cost of building materials, must meet the 125% GWP targets.

Projects can comply by providing an EPD or LCA for each building product that show the product's GWP is less than 125% of the industry average for cradle-to-gate production. The product and the industry-wide EPD baseline must be governed by the same Product Category Rules for the same geographic region. Product assemblies, like windows or composite flooring, can be used for compliance when component parts representing at least 80% of the assembly's GWP meet the product's GWP limit.

This ISC to the original addendum includes the following modifications in response to comments:

- The entirety of section 9.4.2 is included as a jurisdictional option in Table 4.2. It was already a JO in section 9.4.2.
- Language is added in 9.4.2.1.b requiring product life-cycle reports to be consistent with applicable product category rule (PCR) for the building product.
- References to EN 15804 are added in addition to the existing references to ISO 21930.
- Clarification is provided in 9.4.2.2.1.b clarifying that it is the PCR of the geographic region of the building project that EPDs must comply with in the calculation of an industry average when no industry-wide EPD is available.

The numbering and ordering of Section 9 was modified as an editorial change in Addendum u, which removed the headings of prescriptive and performance paths and moved the requirements as two optional paths in the new Section 9.5. Addendum z, still in process, moved the EPD Section from the new Section 9.5 to its own Section 9.4. Addendum z will become 9.4.1 and Addendum ak will become 9.4.2 under the heading of 9.4 Environmental Product Declarations and Global Warming Potential.

This addendum provides the environmental benefit of lowering GHG emissions through the selection of building products with lower GWP. In most cases, it will be cost neutral to the building project but manufacturers that do not currently have EPDs may increase costs of their products to cover development of EPDs. Several states, and the federal government, are beginning to implement Buy Clean programs that require EPDs and set embodied carbon thresholds for purchasing based on them. The construction materials included in these programs varies with different jurisdictions.

[Note to Reviewers: In this ISC, changes to the Addendum z 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 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.]

BSR/ASHRAE/ICC/USGBC/IES Addendum *ak* to ANSI/ASHRAE/ICC/USGBC/IES Standard 189.1-2020, *Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings* Second Public Review Draft, Independent Substantive Changes

Addendum *ak* 2nd PR ISC to 189.1-2020

Revise Section 3.2 as follows:

Building product: Any material, ~~or product~~, or component part of a *building product assembly* procured for permanent installation in the *building project*. Any material, ~~or product~~, or component part of a *building product assembly* with the same specification requirements, and classified by the same product category rules (PCR), shall be defined as the same *building product*.

Building product assembly: *Building products* delivered to the project site as a completed assembly prepared for installation.

Cradle-to-gate: Inclusive of the production stage modules A1 through A3, according to ISO 21930.

Add to Section 3.3 *Abbreviations and Acronyms* as follows:

IW-EPD industry-wide-environmental product declaration

PCR product category rules

Revise Table 4.2 as follows.

Table 4.2 Requirements Determined by the Jurisdiction

Section	Section Title and Description	Jurisdictional Requirement
9.4.2	<u>Product Procurement</u>	<input type="checkbox"/> No
9.4.2.a	<u>Product Procurement - Percentage of Building Product Cost</u>	<input type="checkbox"/> 10% <input type="checkbox"/> 15%

Revise section 9.4.2 as follows.

9.4 Environmental Product Declarations and Global Warming Potential

9.4.1 Environmental Product Declarations and Global Warming Potential Reporting [*proposed addendum z*]

9.4.2 [JO] Product Procurement.

Documentation in accordance with 9.4.2.1 and 9.4.2.2 and the corresponding industry-wide Type III EPD, where available, shall be submitted for not less than 10 *building products* representing not less than 15% [JO] of the total estimated cost of *building products*. Any *building product* representing not less than 5% of the total estimated cost of *building products* shall be included in this requirement.

9.4.2.1 Building Product Documentation. A *building product's* global warming potential (GWP) or in the case of a *building product assembly's* GWP, component parts comprising not less than 80% of the assembly's total cost or weight, shall be documented with one of the following:

a) **Product-specific Declaration.** A product-specific, Type III EPD shall be manufacturer-specific. Type III EPDs shall comply with the goal and scope for not less than *cradle-to-gate* requirements in accordance with ISO 14025 and ISO 21930 or EN 15804.

b.) **Product Life Cycle Report.** A publicly available third-party report of a product's ~~life cycle assessment~~ (LCA), consistent with the applicable product category rules (PCR) for the *building product* and ISO 21930 or EN 15804, in accordance with ISO 14040 and ISO 14044. The report shall verify compliance with the goal and scope for not less than the *cradle-to-gate* requirements.

9.4.2.2 Compliance. Submitted documentation shall document a *cradle-to-gate* GWP of less than 125% of the industry average *cradle-to-gate* GWP for the *building product* in accordance with Section 9.4.2.2.1 or for *building product assemblies* in accordance with 9.4.2.2.2.

All product-specific and industry-wide EPDs for a *building product* shall be based on the same regionally applicable PCR Product Category Rule for the *building product* in which the *building project* is constructed.

BSR/ASHRAE/ICC/USGBC/IES Addendum *ak* to ANSI/ASHRAE/ICC/USGBC/IES Standard 189.1-2020, *Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings* Second Public Review Draft, Independent Substantive Changes

9.4.2.2.1 Determination of Industry Average. The industry-wide average GWP for the *building product* shall be based on one of the following:

- a) a currently valid publicly available Type III industry-wide EPD (IW-EPD) or LCA developed for the geographic region in which the *building project* ~~building project~~ is constructed,
- b) where no Type III IW-EPD or LCA is available for a *building product* ~~building product~~ representing not less than 5% of the total cost of *building products* permanently installed in the project, the average of not less than 5 publicly available, product-specific Type III EPDs using the same ~~PCR Product Category Rule~~ for the same geographic region in which the *building project* is constructed ~~for the *building product*~~ is allowed to be used as the industry average.

9.4.2.2.2 Building Product Assemblies. *Building product assemblies* shall document compliance with this section based on either:

- a) the *building product assembly's* publicly available Type III IW-EPD or LCA developed for the geographic region in which the *building project* ~~building project~~ is constructed, or
- b) the individual product component parts' publicly available Type III EPD or LCAs comprising at least 80% of the *building product assembly's* total cost or weight.

Add the following to Section 11 - Normative References:

11. NORMATIVE REFERENCES

Section numbers indicate where the reference occurs in this document.

Reference	Title	Section
<u>European Committee for Standardization (CEN)</u> <u>Rue de la Science 23</u> <u>B - 1040</u> <u>Brussels, Belgium</u> <u>Belgium + 32 2 550 08 11</u> <u>https://www.cencenelec.eu</u>	<u>Sustainability of construction works -</u> <u>Environmental product declarations - Core rules</u> <u>for the product category of construction products</u>	<u>9.4.2</u>
<u>EN 15804:2012+A2:2020</u>		

Revise Informative Appendix G.2 (it was alphabetized)

INFORMATIVE APPENDIX G

G.1 INFORMATIVE REFERENCES

G.2 POTENTIAL SOURCES OF NORTH AMERICAN INDUSTRY-WIDE ENVIRONMENTAL PRODUCT DECLARATIONS

This list might not reflect all of the industry-wide EPDs available.

<u>Aluminum Extruders Council</u>	Athena Sustainable Materials Institute
American Institute of Steel Construction	National Glass Association
American Wood Council, Canadian Wood Council	National Ready Mixed Concrete Association
<u>Asphalt Roofing Manufacturing Association (ARMA)</u>	<u>North American Insulation Manufacturers Association (NAIMA)</u>
<u>Canadian Wood Council</u>	<u>Polyisocyanurate Insulation Manufacturers Association</u>
<u>Cellulose Insulation Manufacturers Association</u>	<u>Resilient Floor Covering Institute</u>
<u>Chemical Fabrics and Film Association</u>	<u>Spray Polyurethane Foam Association (SPFA)</u>
<u>Composite Panel Association</u>	Steel Deck Institute
Concrete Reinforcing Steel Institute	Steel Joist Institute
EPS Industry Alliance	Steel Tube Institute
<u>Gypsum Association</u>	Sustainable Minds
<u>Metal Building Manufacturers Association</u>	
Metal Construction Association	
<u>Mineral Products Association</u>	

BSR/ASHRAE/ICC/USGBC/IES Addendum *ak* to ANSI/ASHRAE/ICC/USGBC/IES Standard 189.1-2020, *Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings* Second Public Review Draft, Independent Substantive Changes

This ends the changes available for comment on Addendum ak. The information presented below is for informational purposes only and not open for public comment.

Note to reviewers: Section 9.4.1 is part of Addendum z, 2nd PRD ISC, and is provided below for reference.

9.4.1 Environmental Product Declarations and Global Warming Potential Reporting.

9.4.1.1 Environmental Product Declarations (EPDs). EPDs shall be submitted for building products ~~products~~ that together represent not less than 25% of the total estimated cost of all building products ~~products~~ permanently installed in the building project, or not less than 30 EPDs such that a, b, c and d are satisfied. EPDs submitted shall:

- a) represent building products ~~products~~ that are permanently installed in the building project at the time of issuance of the certificate of occupancy,
- b) represent building products ~~products~~ from not less than 10 different manufacturers,
- c) represent not less than 20 different building products ~~products~~, and
- d) include any building product ~~product~~ with a value that exceeds 5% of the total cost of all building products ~~products~~ permanently installed in the building project.

A value of 45% of the total estimated construction cost shall be permitted to be used in lieu of the total cost of all building products ~~products~~ permanently installed in the building project.

9.4.1.2 EPD Requirements. EPDs used to comply with 9.4.1.1 shall be third-party verified Type III EPDs consistent with ISO 21930 or ISO 14025, with not less than a cradle-to-gate scope. Where an industrywide or product-specific Type III EPD is not available for a building product ~~product~~, a critically reviewed third-party life cycle assessment report based on ISO Standards 14040 and 14044 or third-party verified summary thereof shall be permitted as an alternative method for demonstrating compliance.

Building product ~~Product~~ compliance shall be shown by submitting either a product-specific EPD or a regional- or industry-wide EPD. Each product-specific EPD shall be counted as one building product ~~product~~. Each regional- or industry-wide EPD shall be counted as ½ building product ~~product~~.

Building products ~~Products~~ delivered to the building project site as an building product assembly ~~assembly~~ comprised of multiple components and ready for installation into the building project shall be considered a single building product ~~product~~. Compliance with 9.4.1.1 shall be based on either:

- a) an EPD representing the building product assembly ~~assembly~~, or
- b) the individual building product component parts' EPDs comprising not less than 80% of the building product assembly's total cost or weight. ~~EPDs of individual components within the assembly.~~

9.4.1.3 Reporting of Global Warming Potential Contribution. For each of the building products ~~products~~ with EPDs used to comply with section 9.4.1.1, the global warming potential reported in the applicable EPD as a declared unit or functional unit shall be multiplied by the number of declared units or functional units of building product ~~product~~ used in the building project. A report listing the results on a per building product ~~product~~ basis and the total square footage of the building project shall be provided to the project owner and be made available to the *authority having jurisdiction (AHJ)*.

Public Review Draft

Proposed Addendum ba to Standard 189.1-2020

Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings

First Public Review (May, 2023)
(Draft Shows Proposed Changes to Current Standard)

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Foreword

This Addendum revises the definition of potable water to match the definition in the International Plumbing Code. The change will avoid confusion by excluding natural freshwater sources that are not considered “potable” under most common definitions.

These changes are not expected to add cost to the standard.

...

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

Addendum *ba* to 189.1-2020

Revise Section 3.1 “Definitions” as follows:

water, potable: ~~water from public drinking water systems or from natural freshwater sources, such as lakes, streams, and aquifers, where water from such natural sources would or could meet drinking water standards.~~ water free from impurities present in amounts sufficient to cause disease or harmful physiological effects and conforming to the bacteriological and chemical quality requirements of the public health service drinking water standards or the regulations of the public health authority having jurisdiction.

Public Review Draft

Proposed Addendum bc to Standard 189.1-2020

Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings

First Public Review (May, 2023)
(Draft Shows Proposed Changes to Current Standard)

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BSR/ASHRAE/ICC/USGBC/IES Addendum *bc* ANSI/ASHRAE/ICC/USGBC/IES Standard 189.1-2020, *Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings* First Public Review Draft

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Foreword

This addendum updates the references in Section 11 Normative References.

[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 *bc* to 189.1-2020

Update Section 11 as follows:

11. NORMATIVE REFERENCES

Section numbers indicate where the reference occurs in this document.

Reference	Title	Section
Air-Conditioning, Heating, and Refrigeration Institute (AHRI) 2111 Wilson Blvd, Suite 500 Arlington, VA 22201, United States 1-703-524-8800; www.ahrinet.org		
ANSI/AHRI 210/240-2017 <u>2023 (2020)</u>	Performance Rating of Unitary Air-Conditioning and Air-Source Heat Pump Equipment	Appendix B
ANSI/AHRI 310/380-(2017)	Standard for Packaged Terminal Air-Conditioners and Heat Pumps (CSA-C744-14)	Appendix B
AHRI 340/360- 2019 <u>2022 (I-P)</u>	Performance Rating of Commercial and	Appendix B

BSR/ASHRAE/ICC/USGBC/IES Addendum *bc* ANSI/ASHRAE/ICC/USGBC/IES Standard 189.1-2020, *Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings* First Public Review Draft

	Industrial Unitary Air-Conditioning and Heat Pump Equipment	
<u>ANSI/AHRI 365-2009 (I-P/2009)</u> <u>ANSI/AHRI 366-2009 (SI/2009)</u>	Performance Rating of Commercial and Industrial Unitary Air-Conditioning Condensing Units	Appendix B
ANSI/AHRI 460-(2005)	Performance Rating of Remote Mechanical-Draft Air-Cooled Refrigerant Condensers	Appendix B
ANSI/AHRI 1230-2014 (with Addendum 1) (I-P)-2021)	Performance Rating of Variable Refrigerant Flow (VRF) Multi-Split Air-Conditioning and Heat Pump Equipment	Appendix B
Cooling Roof Rating Council (CRRC) 449 15th Street, Suite 400 Oakland, CA 94612 United States <u>2435 N. Lombard St., Portland, OR 97217</u> 1-866-465-2523; www.coolroofs.org		
United States Environmental Protection Agency (USEPA) 1200 Pennsylvania Avenue, NW Washington, DC 20460, United States; www.epa.gov ENERGY STAR® www.energystar.gov WaterSense www.epa.gov/watersense		
Version 1.0, November 3, 2011 <u>1.1 September 22, 2021</u>	WaterSense Specification for Weather-Based Irrigation Controllers	6.3.1.2
Version <u>6.1 January 1, 2023</u> 5.0, September, 15, 2015	ENERGY STAR Program Requirements for ASHPs and Central Air Conditioners	7.4.7

Note to reviewers:

*The information here supersedes that in addendum *ap* for AHRI references and for WaterSense Specification for Weather-Based Irrigation Controllers.*

Public Review Draft

Proposed Addendum t to Standard 189.1-2020

Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings

Third Public Review Independent Substantive Changes (May 2023)
(Draft Shows Proposed Changes to Second Public Review Draft)

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BSR/ASHRAE/ICC/USGBC/IES Addendum *t* to ANSI/ASHRAE/ICC/USGBC/IES Standard 189.1-2020, *Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings* 3rd Public Review Draft, Independent Substantive Changes.

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Foreword

Indoor agriculture energy usage is projected to grow significantly nationwide in this decade, driven in large part by state legalization of medical and recreational marijuana and growing demand for locally grown produce. In 2017, a total of 20 million square feet of building space was dedicated to growing crops indoors which can have energy use intensities that rival data centers. Energy use in these facilities is dominated by lighting systems which accounts for 25 to 70% of the facilities energy use and HVAC and dehumidification systems which accounts of the bulk of the remaining energy use. This addendum addresses the energy use of these facilities in three ways.

The proposal adds additional lighting efficacy and renewable energy requirements to these facilities. Lighting in non-stacked indoor operations operate on average 4,600 hours per year or 12 hours per day. ASHRAE 90.1-2022 establishes efficacy requirements for lighting in indoor horticulture at 1.9 PPE, and 1.7 PPE for greenhouses. This proposal increases the efficacy requirement to 2.1 PPE. 92% of LED products that meet the Design Light Consortium criteria already meet an efficacy of 2.1 PPE which is a 10% savings over a 1.9PPE standard and 20% savings over a 1.7PPE standard. This proposal will also require lighting from these facilities be provided by renewable energy to account for increased carbon emissions from indoor grow and greenhouse facilities compared with growing crops outdoors. This measure will increase construction costs but reduce operating costs.

This third independent substantive change (ISC) removes an exception in the 2nd ISC to the renewable energy requirement for greenhouses and grow facilities dedicated to food for human consumption. The 2nd ISC is reconstructed below the line to show the reader the other previously accepted changes. The additions of language in the 2nd ISC are highlighted.

Note to Reviewers: This public review draft makes proposed independent substantive changes to the previous public review draft. These changes are indicated in the text by underlining (for additions) and ~~striketrough~~ (for deletions) and additions in the second ISC are highlighted except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the previous draft 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 substantive changes.]

BSR/ASHRAE/ICC/USGBC/IES Addendum t to ANSI/ASHRAE/ICC/USGBC/IES Standard 189.1-2020, *Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings* 3rd Public Review Draft, Independent Substantive Changes.

Addendum to t 189.1-2020, 3rd PPR, ISC

Remove the exception in Section 7.3.6.2 as follows:

Exception to 7.3.6.2: *Greenhouses and indoor grow spaces dedicated to food for human consumption.*

The following changes are below the line and not available for public comment. Revise definitions to Section 3 as follows:

greenhouse: a space with a skylight roof ratio of 50% or more above the growing area, used exclusively for horticultural production, cultivation or maintenance by utilizing a sunlit environment and is erected for a period of 180 days or more.

horticultural lighting: electric lighting used for horticultural production, cultivation or maintenance with either cord-and-plug or hard-wired connections for electric power.

indoor grow space: a space, other than a greenhouse, used exclusively for horticultural production, cultivation, or maintenance.

photosynthetic photon efficacy (PPE): photosynthetic photon flux between 400- 700nm emitted by a light source divided by its electrical input power, expressed in units of micromoles per second per watt, or micromoles per joule ($\mu\text{mol}/\text{J}$) as defined by ANSI/ASABE S640

Revise as follows:

7.3.6 Energy Systems for Horticulture.

7.3.6.1 Horticultural Lighting. *Luminaires in indoor grow spaces and greenhouses used for horticultural lighting shall have a photosynthetic photon efficacy (PPE) of not less than 2.1 $\mu\text{mol}/\text{J}$.*

7.3.6.2 Additional Renewable Energy. *Additional renewable energy for horticultural lighting shall be provided and sized to provide the amount of adjusted renewable energy calculated in accordance with Section 7.4.1.2 and qualified in accordance with Section 7.4.1.3. The adjusted renewable energy shall be equal to or greater than the installed horticultural lighting wattage multiplied by 4,600 full load hours per year for indoor grow spaces and the installed horticultural lighting wattage multiplied by 2,100 full load hours per year for greenhouses.*

Exception to 7.3.6.2: *Greenhouses and indoor grow spaces dedicated to food for human consumption.*

BSR/ASHRAE/ICC/USGBC/IES Addendum *t* to ANSI/ASHRAE/ICC/USGBC/IES Standard 189.1-2020,
Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings 3rd Public
 Review Draft, Independent Substantive Changes.

Revise Normative Reference as follows:

American Society of Agricultural and Biological Engineers (ASABE) 2950 Niles Road St. Joseph, MI 49085 USA 1-269-429-0300; www.asabe.org		
ANSI/ASABE S640-2017	Quantities and Units of Electromagnetic Radiation for Plants (Photosynthetic Organisms)	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 *red italics* and only used to add clarity; these statements will NOT be in the finished publication.]

NSF/ANSI International Standard for Biosafety Cabinetry —

Biosafety Cabinetry: Design, Construction, Performance, and Field Certification

-

Design and Construction

-

5.32 Data plate(s)

-
-
-

5.32.3 A canopy connection is not required. However, when a canopy is submitted for approval as an acceptable option, it shall have a physical data plate including all of the following information:

- manufacturer's name and address;
- canopy model number;

Rationale: new language to eliminate ambiguity by adding a requirement for canopy connections listed as acceptable options to have a data plate with a model number.

BSR/UL 414, Standard for Safety for Meter Sockets

1. Revision to grounding straps in Meter Socket adapters

PROPOSAL

SA2.1 The dimensions of the base of the adapter shall be in accordance with the appropriate envelope design as covered in Figures 2 – 10 of Electromechanical Watthour Meters, ANSI C12.10-1987.

SA2.3 Surge protection gaps: A meter socket adapter shall be provided with means to ground the grounding straps of surge gaps on watthour meters. The grounding means shall extend over the area defined in the appropriate envelope designs as covered in Electromechanical Watthour Meters, ANSI C12.10-1987. The straps shall either be bonded to the enclosure or exposed dead metal or connected to grounding straps on the male end of the meter socket adapter.

Exception: Additional grounded metal may be provided outside the identified radii when it is completely insulated with a barrier in accordance with Barriers, Section 9 and the final assembly allows for the complete seating of any metering device.

SB2.2 The dimensions of the base of the adapter shall be in accordance with the appropriate envelope design as covered in Figures 2 – 10 in the Standard for Physical Aspects of Watt-hour Meters, ANSI C12.10-1987. Additional openings and slots may be provided in the base of the adapter.

SB2.4 Surge protection gaps: A meter socket adapter shall be provided with means to ground the grounding straps of surge gaps on watthour meters. The grounding means shall extend over the area defined in the appropriate envelope designs as covered in the Standard for Physical Aspects of Watt-hour Meters, ANSI C12.10-1987. The straps shall either be bonded to the enclosure or exposed dead metal or connected to grounding straps on the male end of the meter socket adapter.

Exception: Additional grounded metal may be provided outside the identified radii when it is completely insulated with a barrier in accordance with Barriers, Section 9 and the final assembly allows for the complete seating of any metering device.

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BSR/UL 768, Standard for Safety for Combination Locks

1. Clarification to Scope

PROPOSAL

1.1 These requirements cover combination locks intended for attachment on doors of safes, chests, vaults, and the like, to provide a means of locking the boltwork against unauthorized opening.

1.2 These requirements are intended to test the ability of combination locks to resist unauthorized opening of the combination locks by sense of sight, touch, or hearing. Combination locks covered by these requirements may or may not have integral protection against entry by force.

[1.3 These requirements do not cover electronic locks.](#)

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

1. Replacement for ANSI/SSFI SC100-5

PROPOSAL

1.3 Welded frame and system scaffold assemblies are to be additionally evaluated to Testing and Rating Scaffold Assemblies and Components, ~~ANSI/SSFI SC100-5/05~~ ANSI/SAIA A11.1.

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