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CONTENTS

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Project Initiation Notification System (PINS)

Section 2.5.1 of the *ANSI Essential Requirements* (www.ansi.org/essentialrequirements) describes the Project Initiation Notification System (PINS) and includes requirements associated with a PINS Deliberation. Following is a list of PINS notices submitted for publication in this issue of ANSI Standards Action by ANSI-Accredited Standards Developers (ASDs). Please also review the section in Standards Action entitled "American National Standards Maintained Under Continuous Maintenance" for information about American National Standards (ANS) maintained under the continuous maintenance option, as a PINS to initiate a revision of such standards is not required. Use the following Public Document Library url to access PDF & EXCEL reports of approved & proposed ANS: List of Approved and Proposed ANS. Directly and materially interested parties wishing to receive more information or to submit comments are to contact the sponsoring ANSI-Accredited Standards Developer directly **within 30 calendar days** of the publication of this PINS announcement.

ADA (Organization) (American Dental Association)

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

New Standard

BSR/ADA Standard No. 1098-202x, Quality Assurance for Cone Beam Computed Tomographic (CBCT) Systems (new standard)
Stakeholders: Dentists, dental care providers, consumers.

Project Need: To provide an in-office procedure to objectively evaluate the performance of cone beam computed tomographic (CBCT) systems.

Interest Categories: Consumer, General Interest, Producer.

Scope: This standard has been developed to address the quality assurance of cone beam computed tomographic (CBCT) imaging systems. Quality assurance entails the consistent production of x-ray images of high quality in order to provide the maximum amount of diagnostic information with minimal radiation exposure to the patient. The four components involved with any CBCT imaging system: The x-ray source, digital image acquisition device (solid-state sensor and acquisition-software), image display device (computer,monitor, and display-software), and image viewing environment are addressed in this standard.

ADA (Organization) (American Dental Association)

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

New Standard

BSR/ADA Standard No. 1099-202x, Quality Assurance for Digital Panoramic and Cephalometric Radiographic Systems (new standard)
Stakeholders: Dentists, dental care providers, consumers.

Project Need: To provide an in-office procedure to objectively evaluate the performance of digital panoramic and cephalometric radiographic systems.

Interest Categories: Consumer, General Interest, Producer.

Scope: This standard has been developed to address the quality assurance of digital panoramic and cephalometric radiographic systems. Quality assurance entails the consistent production of x-ray images of high quality in order to provide the maximum amount of diagnostic information with minimal radiation exposure to the patient. The four components involved with any digital panoramic and cephalometric radiographic system: The x-ray source, digital image acquisition device (solid-state sensor and acquisition-software), image display device (computer,monitor, and display-software), and image viewing environment are addressed in this standard.

ANS (American Nuclear Society)

Kathryn Murdoch <kmurdoch@ans.org> | 555 North Kensington Avenue | La Grange Park, IL 60526 www.ans.org

New Standard

BSR/ANS 19.13-202x, Initial Fuel Loading and Startup Tests for First-of-a-Kind Advanced Reactors (new standard)

Stakeholders: Department of Energy National Laboratories, Advanced Reactor Developers, vendors, potential commercial and national security users of advanced reactors, NRC and DOE regulators.

Project Need: Because historic zero-power and non-nuclear integral tests are not completely applicable, and because there is inadequate planning for new tests, special care needs to be given to quantifying the uncertainty of fundamental property data in the design of FOAK-ARs. In such cases, licensing risks increase because major decisions are made without sufficient technical validation of the calculations. A best practices standard is needed to provide guidance on how to leverage traditional startup procedures with software validation methods to retire the operational and regulatory risk associated with inadequate validation data during reactor design.

Interest Categories: Architect, Engineer, Constructor; Consultant; Individual; Government Agency; National Laboratory/Government Facility; Society; University.

Scope: This standard will provide best practices for reactor startup of First-of-a-Kind (FOAK) Advanced Reactors (AR) to confirm basic safety, operational, and fundamental property data for technical and safety specifications. The standard will also provide guidance leveraging startup procedures to support software validation methods to retire the operational and regulatory risk associated with the validation performed during reactor design. Best practices for startup of heritage reactors and modern light water reactors (LWR) will be assimilated into generic recommended startup procedures for future FOAK-ARs. This standard will provide traceability between such recommended best practices and the identified key datasets. It will thus allow auditing the methodology of new FOAK ARs.

ASABE (American Society of Agricultural and Biological Engineers)

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

Revision

BSR/ASABE S641.1 MONYEAR-202x, Droplet Size Classification of Aerial Application Nozzles (revision of ANSI/ASABE S641-MAY2018 (R2022))

Stakeholders: Aerial applicators, regulatory entities, agricultural chemistry producers, researchers.

Project Need: Nozzle and pressure settings need to be revised so that this standard harmonizes with the recent updates to S527.3, which significantly altered the boundaries of the coarsest droplet size categories.

Interest Categories: Academia; General Interest; Government; Producer; Research.

Scope: This Standard defines droplet size categories for the classification of aerial application spray atomizers, relative to specified reference flat fan nozzles discharging into a high-speed air stream, which enhances atomization simulating aerial application conditions.

ASC X9 (Accredited Standards Committee X9, Incorporated)

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

Revision

BSR X9.84-202x, Biometric Information Management & Security for the Financial Services Industry (revision of ANSI X9.84-2018)
Stakeholders: Developers, service providers, financial institutions, regulators, and auditors.

Project Need: This standard is needed to address changes in technology and terminology in the financial services industry.

Interest Categories: Producers, Consumers, General Interest.

Scope: This Standard describes the security framework for using biometrics for authentication of individuals in financial services. It introduces the types of biometric technologies and addresses issues concerning their application. This Standard also describes the architectures for implementation, specifies the minimum security requirements for effective management, and provides control objectives and recommendations suitable for use by a professional practitioner.

ASC X9 (Accredited Standards Committee X9, Incorporated)

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

Revision

BSR X9.111-202x, Penetration Testing within the Financial Services Industry (revision of ANSI X9.111-2018)
Stakeholders: Financial services industry, service providers, financial service organizations.

Project Need: This standard is needed by financial service organizations who wish to engage an internal group or an external agency for a penetration test. Understanding the rules of engagement to specify, negotiate and accept a penetration test equally applies to both internal groups and external agencies. It is also needed by service providers offering penetration testing to another internal group or an external customer.

Interest Categories: Consumer, General Interest, Producer.

Scope: This standard specifies recommended processes for conducting penetration testing with financial service organizations. This standard describes a framework for specifying, describing and conducting penetration testing, and then relating the results of the penetration testing. This standard allows an entity interested in obtaining penetration testing services to identify the objects to be tested, specify a level of testing to occur, and to set a minimal set of testing expectations. Included in this standard are: A conceptual framework for describing penetration testing, including ☐ Roles and Responsibilities of participants ☐ Types of penetration test ☐ A generalized penetration testing cycle ☐ General testing methodologies / techniques ☐ Limitations of Penetration testing ☐ Ranking of methodologies, bases of testing effort (testing levels) Engagement and scope of work considerations Test Report guidelines Testing requirements ☐ Security of the testing environment ☐ General practices and methodologies ☐ Tester expertise

ASC X9 (Accredited Standards Committee X9, Incorporated)

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Revision

BSR X9.112-3-202x, Wireless Management and Security - Part 3: Mobile Banking (revision of ANSI X9.112-3 -2018)

Stakeholders: Key stakeholders in the financial services industry include the following: Financial institutions; Merchants; Payment providers. Key stakeholders in the mobile industries include the following: Phone manufacturers; SIM manufacturers; Software manufacturers; Mobile carriers.

Project Need: The mobile environment represents a challenging interplay between the financial services, mobile manufacturers and mobile carriers industries. Financial institutions, merchants, payment providers and consumers all need a level of assurance the following are reliable: Mobile transactions can be conducted securely and reliably among merchants, payment providers, and financial institutions; SE can operate securely on any mobile platform independently of the hardware, operating system, and software environment.

Interest Categories: Producer, General Interest, Consumer.

Scope: Areas within scope of this standard include, but are not limited to the following: 1. Mobile transactions include sending and receiving messages for payments, and banking ☐ Key management transactions / protocol / scheme / procedures / process ☐ Authentication transactions: logon, confirmation, persistency, risk based authorization ☐ Transaction confirmations ☐ Transaction recovery, session management ☐ Transaction: one or more related messages 2. Mobile payments for person-to-person (P2P), person-to-business (P2B), and person-to-terminal (P2T) including credit/debit card, and electronic funds transfer (EFT) transactions. ☐ New business relationship with financial institutions (FI) ☐ Gift cards, pre-paid debit, payroll cards, virtual “software” card, electronic cash, micro-payments, electronic benefit and transfer (EBT), one-time-credit-card 3. Mobile banking includes payer management, payee management, bill management, portfolio management, credit/debit card management 4. Mobile technologies including mobile browsers, mobile applications (app), and mobile channels (e.g., cellular (e.g., 3G, 4G), wireless, NFC, RFID, Bluetooth, SMS (text), MMS (video).

ASC X9 (Accredited Standards Committee X9, Incorporated)

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

Revision

BSR X9.119-2-202x, Requirements for Protection of Sensitive Payment Card Data - Part 2: Using Tokenization Methods (revision of ANSI X9.119-2-2017)

Stakeholders: Merchants, Processors, Acquirers, Hardware & Software Providers to these Stakeholders, Issuers & Payment Brands (because it protects their card data).

Project Need: Merchants are incurring extraordinary costs in trying to protect this data. A method that protected the data at the device might allow merchants, processors, and acquirers to realize dramatic cost savings with implementation of this standard. This work would provide an additional method for protecting this data.

Interest Categories: Consumer, General Interest, Producer.

Scope: This document would standardize the security requirements and implementation for a method for protecting this sensitive card data over these segments using tokenization and would be a companion standard to X9.119 part 1. Several implementations exist to address this situation. This document would provide guidance for evaluating these implementations.

ASC X9 (Accredited Standards Committee X9, Incorporated)

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Revision

BSR X9.124-1-202x, Symmetric Key Cryptography for the Financial Services Industry Format Preserving Encryption – Part 1: Definitions and Model (revision of ANSI X9.124-1-2020)
Stakeholders: Financial services industry

Project Need: Encryption has historically been an expensive technique to deploy in real world systems because of the need to alter the operation of existing systems and applications. The benefit of FPE techniques is that encryption can be added to existing systems in such a way that system modifications are kept to a minimum. Often, substantial savings can be realized because database schemas and financial applications can run with encrypted data without needing modification or replacement. These benefits have been demonstrated in projects deployed at multiple existing financial institutions, and also through the proposed inclusion of these techniques in multiple financial standards (including X9.119).

Interest Categories: Consumer, General Interest, Producer.

Scope: The proposed standard will describe the base mathematical technique required to achieve secure FPE, and also a set of formats for the encryption of payment card data, including formats that retain various parts of the card data in plaintext format to allow critical functions like card routing and receipt printing. The intention is for the standard to describe the techniques to the point that other X9 work can directly use this tool in standards that describe card data protection protocols, such as the work in X9.119.

ASME (American Society of Mechanical Engineers)

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

Revision

BSR/ASME B107.100-202x, Flat Wrenches (revision of ANSI/ASME B107.100-2020)
Stakeholders: Manufacturers, distributors and users of flat wrenches.

Project Need: This revision corrects numerous table values and specifications from the previous edition.

Interest Categories: AD - Distributor; AF - General Interest; AS- Manufacturer; AU - Consultant; AW - User.

Scope: The purpose of B107.100 is to define essential performance and safety requirements specifically applicable to combination wrenches; box wrenches, double head; open end wrenches, double head; flare nut; adjustable wrenches; and ratcheting box wrenches. It specifies test methods to evaluate performance related to the defined requirements and safety, and indicates limitations of safe use.

CTA (Consumer Technology Association)

Catrina Akers <cakers@cta.tech> | 1919 South Eads Street | Arlington, VA 22202 www.cta.tech

Stabilized Maintenance

BSR/CTA 708-E-2013 (S202x), Digital Television (DTV) Closed Captioning (stabilized maintenance of ANSI/CTA 708-E-2013 (R2018))
Stakeholders: Manufacturers, consumers, retailers.

Project Need: Stabilize ANSI/CTA 708-E.

Interest Categories: Users, producers, general interest.

Scope: This is a stabilization of ANSI/CTA-708-E R-2018. This standard defines DTV Closed Captioning (DTVCC) and provides specifications and guidelines for caption service providers, distributors of television signals, decoder and encoder manufacturers, DTV receiver manufacturers, and DTV signal processing equipment manufacturers.

CTA (Consumer Technology Association)

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Reaffirmation

BSR/CTA 814-C/J-STD-42-C-2018 (R202x), Emergency Alert Messaging for Cable (reaffirmation of ANSI/CTA 814-C/J-STD-42-C-2018)
Stakeholders: Consumer, manufacturers, retailers.

Project Need: Reaffirm ANSI/CTA 814-C/J-STD-42-C.

Interest Categories: User, producer, general interest.

Scope: This is a reaffirmation of ANSI/CTA-814-C/J-STD-42-C. This standard defines an Emergency Alert signaling method for use by cable TV systems to signal emergencies to digital receiving devices that are offered for retail sale. Such devices include digital set-top boxes that are sold to consumers at retail, digital TV receivers, and digital video recorders.

ECIA (Electronic Components Industry Association)

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

Revision

BSR/EIA 364-35C-202x, Insert Retention Test Procedure for Electrical Connectors (revision of ANSI/EIA 364-35C -2012 (R2017))
Stakeholders: Electronics, electrical and telecommunications industries.

Project Need: Revise and redesignate current ANS.

Interest Categories: User, Producer, General Interest.

Scope: This standard establishes a method to determine the ability of an insert to withstand axial forces in electrical connectors.

ESTA (Entertainment Services and Technology Association)

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

Revision

BSR/E1.23-202x, Entertainment Technology - Design, Execution, and Maintenance of Atmospheric Effects (revision of ANSI/E1.23-2020)
Stakeholders: Performance venue operators, performers and their agents, fog effect designers.

Project Need: Often an Equity Stage Manager or other health and safety official needs easy to read documentation that a fog effect has been planned with reasonable care. The full E1.23 planning document is too detailed. What is needed for many people in the field is a short summary in addition to the full plan.

Interest Categories: Equipment producers; designers; general interest; users.

Scope: The E1.23 document offers advice on the planning execution and maintenance of theatrical effects using glycol, glycerin, or white mineral oil fogs or mists in theatres, arenas, motion picture studios, and other places of public assembly or motion picture production. The guidance is offered to help effects designers and technicians create effects that can be executed repeatedly and reliably, and so that they can avoid excessive exposure to the fog materials and other foreseeable hazards. The revision is to add a requirement for a short summary of the measures being taken to assure reasonable safety.

NAPSA (North American Power Sweeping Association)

Nancy Terry <info@powersweeping.org> | P.O. Box 1166 | Lebanon, OH 45036 www.PowerSweeping.org

Revision

BSR/NAPSA 1001-202x, NAPSA (PSS) Power Sweeping Standard 2023 (revision of ANSI/NAPSA PSS1000-2018)
Stakeholders: Power sweeping contractors, property managers, consumers of sweeping services, real estate owners, government agencies and any entity that would benefit from power sweeping services.

Project Need: This standard is currently 4 years old and a revision is necessary to update the industry training which will advance the professionalism and safety of the power sweeping industry.

Interest Categories: The interest categories will include: (a) power sweeping contractors, (b) property managers and owners, (c) general interest including but not limited to: directly-affected public; industrial/commercial; insurance; labor; manufacturer; professional society; regulatory agency; or trade association.

Scope: This standard was developed by the North American Power Sweeping Association and is intended to cover the power sweeping industry.

TIA (Telecommunications Industry Association)

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

Revision

BSR/TIA 569-F-202x, Telecommunications Pathways and Spaces (revision and redesignation of ANSI/TIA 569-E -2019)
Stakeholders: Building owners; architects; installers; tenants; consultants; OEMs; contractors; engineers; MEP firms.

Project Need: Update standard.

Interest Categories: User, Producer, and General Interest.

Scope: This standard specifies requirements for telecommunications pathways and spaces. New revision needed to: â€¢ Incorporate content of addendum ANSI/TIA-569-E-1 â€¢ Update references â€¢ Any other updates

TIA (Telecommunications Industry Association)

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

Revision

BSR/TIA 607-E-202x, Generic Telecommunications Bonding and Grounding (Earthing) for Customer Premises (revision and redesignation of ANSI/TIA 607-D-2019)
Stakeholders: Architects; installers; building owners; electrical inspectors; electrical contractors; telecommunication designers; telecommunications consultants; engineers; MEP firms.

Project Need: Update standard.

Interest Categories: User, Producer, and General Interest.

Scope: This Standard specifies requirements for a generic telecommunications bonding and grounding infrastructure and its interconnection to electrical systems and telecommunications systems. This Standard may also be used as a guide for the renovation or retrofit of existing systems. New revision needed to: â€¢ Incorporate content of addendum ANSI/TIA-607-D-1 â€¢ Update references â€¢ Any other updates

VITA (VMEbus International Trade Association (VITA))

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

Revision

BSR/VITA 67.3-202x, Coaxial Interconnect on VPX - Spring-Loaded Contact on Backplane (revision of ANSI/VITA 67.3-2022)

Stakeholders: Manufacturers, suppliers, and users of modular embedded computers.

Project Need: Create a spring loaded contact coaxial connector for VPX modules.

Interest Categories: User, Producer, and General Interest.

Scope: The ANSI/VITA 67.3 standard describes an open standard for configuration and interconnect within the structure of VITA 67.0 enabling an interface compatible with VITA 46 containing multi-position blind mate analog connectors with coaxial contacts, having fixed contacts on the Plug-In Module and spring action on the backplane. This revision would add 75 Ohm coax contact interfaces, specifically 75-ohm SMPM and 75-ohm NanoRF, to support higher speed video signaling.

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: March 19, 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 ac 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)
The proposed ISC for Addendum ac modifies the electric readiness jurisdictional option in new construction based on comments received and on additional reviews received during the comment period. This ISC modifies proposed addendum ac to Standard 189.1-2020 with two types of changes. First, several revisions are made in the ISC to terms and descriptors for particular pieces of electrical equipment, or components of an electrical distribution system, to improve the clarity of the intended measures. Second, the ISC modifies several physical specifications of electrical distribution systems that are configured to accommodate energy demands by electrical equipment installed in the future. In addition, one typographical error was corrected. The term "fossil fuels" was changed to "fuel-fired" in response to public comments and for clarification.
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: March 19, 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 ad 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)
The scope of Standard 189.1 is clarified by explicitly stating its applicability to the sites upon which buildings are constructed as well as to the demolition and deconstruction of buildings. Standard 189.1 already contains provisions addressing these topics in Sections 5 and 9. This addendum also expands the scope of Standard 189.1 by adding changes in building occupancy or use to regulated elements. This correlates with the IgCC which has, as is typical of the International Codes, provisions to regulate changes in occupancy. This addendum further expands the scope of Standard 189.1 by making it applicable to "structures." This clarifies that the standard is applicable to constructed elements that are not necessarily part of a building project, such as ornamental water features, parking lot lighting, and electric vehicle charging infrastructure. Standard 189.1 already contains requirements addressing these features. This change will align the scope with existing language. It should be noted that except for the 2018, which used the Standard 189.1-2017 scope, every edition of the IgCC, including the initial public review draft and the 2021, has included "structures" within its scope. The provisions added to Section 4 provide appropriate limits on the degree of compliance required when a building changes occupancy or use. They limit the applicability of Standard 189.1 to the provisions of the standard that are specifically applicable to the new occupancy or use. This is consistent This is consistent with the treatment of changes of occupancy in the International Plumbing, Mechanical and Existing Building Codes.
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.)
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Addenda

BSR/ASHRAE/ICC/IES/USGBC Addendum z 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 ISC addresses comments made during the first public review of addendum z. The proposed changes from the 1st public review draft are the following: (1) Definitions for "building product" and "building product assembly" used in addendum ak have been referenced at the end of the document. These terms replace the terms "product" and "assembly" throughout this section; (2) Any changes to the definitions for building product, building product assembly, and cradle-to-gate will be aligned between the two addenda; (3) The numbering has been updated to be consistent with Addendum u (Sec 9 editorial changes); (4) Clarification has been added to the requirement related to cost estimating; (5) Clarification has been added for determining compliance through building product assemblies; (6) An alternative compliance path requiring the submission of 30 EPDs has been added to 9.4.1.1.
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: March 19, 2023

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/IES Addendum i to BSR/ASHRAE/IES Standard 100-202x, Energy Efficiency in Existing Buildings (addenda to ANSI/ASHRAE/IES Standard 100-2018)
This independent substantive change 2nd publication public review draft makes revisions in response to comments received during the 1st publication public review draft.
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

NSF (NSF International)

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

Revision

BSR/NSF 49-202x (i175r1), 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: Allan Rose <arose@nsf.org>

NSF (NSF International)

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

Revision

BSR/NSF 61-202x (i164r1), Drinking Water System Components - Health Effects (revision of ANSI/NSF/CAN 61 -2022)
This standard is intended to cover specific materials or products that come into contact with: drinking water, drinking water treatment chemicals, or both. The focus of the standard is evaluation of contaminants or impurities imparted indirectly to drinking water.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Monica Leslie <mleslie@nsf.org>

NSF (NSF International)

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Send comments (copy psa@ansi.org) to: Monica Leslie <mleslie@nsf.org>

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 294-202x, Standard for Access Control System Units (revision of ANSI/UL 294-2018)
This proposal covers: 1. Proposed Eighth Edition of ANSI/UL 294, Standard for Safety for Access Control System Units
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx.

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 2034-202x, Standard for Single and Multiple Station Carbon Monoxide Alarms (revision of ANSI/UL 2034 -2022)
This proposal covers: 1. Expand scope to include non-dwelling units
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx.

Comment Deadline: April 3, 2023

AAMI (Association for the Advancement of Medical Instrumentation)

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

National Adoption

BSR/AAMI/ISO 13004-202x, Sterilization of health care products - Radiation - Substantiation of selected sterilization dose: Method VDmaxSD (identical national adoption of ISO 13004:2022)
This document describes a method for substantiating a selected sterilization dose of 17,5 kGy, 20 kGy, 22,5 kGy, 27,5 kGy, 30 kGy, 32,5 kGy or 35 kGy that achieves a sterility assurance level (SAL) of 10−6 or less for radiation sterilization of health care products. This document also specifies a method of sterilization dose audit used to demonstrate the continued effectiveness of the substantiated sterilization dose. NOTE 1: Selection and substantiation of the sterilization dose is used to meet the requirements for establishing the sterilization dose within process definition in ISO 11137☐1.
Single copy price: Free
Obtain an electronic copy from: tkim@aami.org
Send comments (copy psa@ansi.org) to: Thomas Kim, tkim@aami.org

Comment Deadline: April 3, 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. 165-202x, Dentistry- Vocabulary for CAD/CAM Systems (national adoption with modifications of ISO 18739:2016; ISO TR/22710:2019)
This standard specifies terms, synonyms for terms and definitions used in the process chain for CAD/CAM systems used in product descriptions and
instructions for use in dentistry.
Single copy price: $96.00
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. 30-202x, Dentistry - Zinc Oxide-Eugenol Cements and Non-Eugenol Zinc-Oxide Cements (identical national adoption of ISO 3107:2022 and revision of ANSI/ADA Standard No. 30-2013 (R2018))
This standard specifies the requirements and test methods for zinc oxide-eugenol or zinc oxide-non-eugenol cements
supplied as two separate components that may be either powder/liquid or paste/paste and are suitable for use in the
oral cavity.
Single copy price: $80.00
Obtain an electronic copy from: standards@ada.org
Send comments (copy psa@ansi.org) to: standards@ada.org

ANS (American Nuclear Society)

555 North Kensington Avenue, La Grange Park, IL 60526 | kmurdoch@ans.org, www.ans.org

Reaffirmation

BSR/ANS 10.7-2013 (R202x), Non-Real-Time, High-Integrity Software for the Nuclear Industry - Developer Requirements (reaffirmation of ANSI/ANS 10.7-2013 (R2018))
This standard addresses rigorous, systematic development of high integrity, non-real time safety analysis, design, simulation software which includes calculations or simulations that can have critical consequences if errors are not detected, but that are so complex that typical peer reviews are not likely to identify errors. This may include nuclear design and performance codes, codes used to assign safety classification levels to systems, structures and components at nuclear facilities, computational fluid dynamics or structural mechanics codes, complex Monte Carlo simulations, radiation dosimetry analysis codes, and nuclear medical physics analytical codes.
Single copy price: $121.00
Obtain an electronic copy from: orders@ans.org
Send comments (copy psa@ansi.org) to: Patricia Schroeder <pschroeder@ans.org>

Comment Deadline: April 3, 2023

APTech (ASC CGATS) (Association for Print Technologies)

450 10th Circle N, Nashville, TN 37203 | dorf@aptech.org, www.printtechnologies.org

National Adoption

BSR CGATS/ISO 12640-3-202x, Graphic technology - Prepress digital data exchange - Part 3: CIELAB standard colour imagedata (CIELAB/SCID) (identical national adoption of ISO 12640-3:2022 and revision of ANSI/CGATS/ISO 12640-3-2007 (R2021))
This part of CGATS/ISO 12640 specifies a set of standard large gamut colour images (encoded as 16-bit CIELAB digital data) that can be used for the evaluation of changes in image quality during coding, image processing (including transformation, compression and decompression), displaying on a colour monitor and printing. These images can be used for research, testing and assessing of output systems such as printers, colour management systems and colour profiles.
Single copy price: $80.00
Obtain an electronic copy from: dorf@aptech.org
Send comments (copy psa@ansi.org) to: Same

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

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

Addenda

BSR/ASHRAE/ICC/IES/USGBC Addendum ao 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 draft modifies Section 10. Construction and Plans for Operation in the following ways: Section 10.4.2, IAQ Construction Management and System Startup, is modified to reference specific subsections of Standard 62.1 and to eliminate duplication. This section was previously modified by addendum ax which is published and available on the ASHRAE website. Section 10.7.1, Building Flush Out requirements is deleted, because the committee believes it was little used due to practical limitations and lack of hard data on its effectiveness. The goal of additional ventilation prior to occupancy and during initial occupancy is met by requirements in new Sections 10.7.2 and 10.10.5. Section 10.7.2, Post-Construction, Pre-Occupancy IAQ monitoring of 36 constituents is deleted. In its place, Section 10.10.7, Contaminant Monitoring, requires monitoring of two properties of air and four contaminants, during initial occupancy, and providing to the owner a report with graphical trends and recommendations. A new Section 10.7 contains requirements for IAQ preparations prior to occupancy, including the early start of ventilation described above. Sections 10.9.4 and 10.9.7 are deleted. Some of the requirements were duplication of those already incorporated by reference to Standard 62.1. Others of these requirements are now found, with modifications, in a new Section 10.10, Plan for Operation: IAQ-Related Activities. A new Section 10.10 contains all the elements of the plan for operation, some of which are described above. It collects requirements in one section that were previously in several non-contiguous sections.
Single copy price: $35.00
Obtain an electronic copy from: standards.section@ashrae.org
Send comments (copy psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

Comment Deadline: April 3, 2023

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

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

New Standard

BSR/ASHRAE Standard 514P-202x, Risk Management for Building Water Systems: Physical, Chemical, and Microbial Hazards (new standard)
The independent substantive changes to the previous public review draft shown reflect input from comments received during the first publication public review. The full text of the proposed ASHRAE Standard 514P was previously available for public comment during an Advisory Public Review (APR) and subsequent 1st full Publication Public Review (PPR).
Single copy price: $35.00
Obtain an electronic copy from: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts
Send comments (copy psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

AWS (American Welding Society)

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

National Adoption

BSR/AWS A5.10/A5.10M (ISO 18273-202x MOD), Specification for Bare Aluminum and Aluminum-Alloy Welding Electrodes and Rods (national adoption of ISO 18273 with modifications and revision of ANSI/AWS A5.10/A5.10M-2021 (ISO 18273-2015 MOD))
This specification prescribes requirements for the classification of bare wrought, and cast aluminum-alloy electrodes and rods for use with the gas metal arc, gas tungsten arc, oxyfuel gas, and plasma arc welding processes. This specification makes use of both U.S. Customary Units and the International System of Units (SI). Since these are not equivalent, each system must be used independently of the other.
Single copy price: $39.00 non-member; $30.00 member
Obtain an electronic copy from: kbulger@aws.org
Send comments (copy psa@ansi.org) to: Kevin Bulger <kbulger@aws.org>

AWS (American Welding Society)

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

New Standard

BSR/AWS A5.3/A5.3M-202x, Specification for Aluminum and Aluminum-Alloy Electrodes for Shielded Metal Arc Welding (new standard)
This specification prescribes requirements for the classification of covered (flux coated) E1100, E3003, and E4043 aluminum-alloy electrodes for shielded metal arc welding. Tests conducted for classification are chemical analysis of the core wire as well as tensile and bend tests from groove weld test assemblies fabricated with each of two sizes of electrode for each classification. Standard electrode sizes, electrode identification, and chemical composition limits are specified. This specification makes use of both U.S. Customary Units and the International System of Units (SI). Since these are not equivalent, each system must be used independently of the other.
Single copy price: $39.00 non-member; $30.00 member
Obtain an electronic copy from: kbulger@aws.org
Send comments (copy psa@ansi.org) to: Kevin Bulger <kbulger@aws.org>

Comment Deadline: April 3, 2023

AWS (American Welding Society)

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

Revision

BSR/AWS B2.1-1/8-227-202x, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding of Carbon Steel (M-1/P-1, Groups 1 or 2) to Austenitic Stainless Steel (M-8/P-8, Group 1), 1/16 inch [1.5 mm] through 1-1/2 inch [38 mm] Thick, ER309(L), in the As-Welded Condition, Primarily Pipe Applications (revision of ANSI/AWS B2.1-1/8-227-2002 (R2013))
This standard contains the essential welding variables for carbon steel to austenitic stainless steel in the thickness range of 1/16 inch [1.5 mm] through 1-1/2 inch [38 mm], using manual gas tungsten arc welding. It cites the base metals and operating conditions necessary to make the weldment, the filler metal specifications, and the allowable joint designs for groove and fillet welds. This SWPS was developed primarily for pipe applications.
Single copy price: $136.00
Obtain an electronic copy from: jrosario@aws.org
Send comments (copy psa@ansi.org) to: Jennifer Rosario <jrosario@aws.org>

AWS (American Welding Society)

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

Revision

BSR/AWS B2.1-1/8-228-202x, Standard Welding Procedure Specification (SWPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1, Groups 1 or 2) to Austenitic Stainless Steel (M-8/P-8, Group 1), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, E309(L)-15, -16, or -17, in the As-Welded Condition, Primarily Pipe Applications (revision of ANSI/AWS B2.1-1/8-228-2002 (R2013))
This standard contains the essential welding variables for welding carbon steel to austenitic stainless steel in the thickness range of 1/8 inch [3 mm] through 1-1/2 inch [38 mm], using manual shielded metal arc welding. It cites the base metals and operating conditions necessary to make the weldment, the filler metal specifications, and the allowable joint designs for groove and fillet welds. This SWPS was developed primarily for pipe applications.
Single copy price: $136.00
Obtain an electronic copy from: jrosario@aws.org
Send comments (copy psa@ansi.org) to: Jennifer Rosario <jrosario@aws.org>

AWS (American Welding Society)

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

Revision

BSR/AWS B2.1-1/8-229-202x, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding followed by Shielded Metal Arc Welding of Carbon Steel (M-1/P-1, Groups 1 or 2) to Austenitic Stainless Steel (M-8/P-8, Group 1), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, ER309(L) and E309(L)-15, -16, or -17, in the As-Welded Condition, Primarily Pipe Applications (revision of ANSI/AWS B2.1-1/8-229-2002 (R2013))
This standard contains the essential welding variables for welding carbon steel to austenitic stainless steel in the thickness range of 1/8 inch [3 mm] through 1-1/2 inch [38 mm], using manual gas tungsten arc welding followed by shielded metal arc welding. It cites the base metals and operating conditions necessary to make the weldment, the filler metal specifications, and the allowable joint designs for groove and fillet welds. This SWPS was developed primarily for pipe applications.
Single copy price: $136.00
Obtain an electronic copy from: jrosario@aws.org
Send comments (copy psa@ansi.org) to: Jennifer Rosario <jrosario@aws.org>

Comment Deadline: April 3, 2023

AWS (American Welding Society)

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

Revision

BSR/AWS B2.1-1/8-230-202x, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding with Consumable Insert Root of Carbon Steel (M-1/P-1, Groups 1 or 2) to Austenitic Stainless Steel (M-8/P-8, Group 1), 1/16 inch [1.5 mm] through 1-1/2 inch [38 mm] Thick, IN309 and ER309(L), As-Welded Condition, Primarily Pipe Applications (revision of ANSI/AWS B2.1-1/8-230-2002 (R2013))
This standard contains the essential welding variables for welding carbon steel to austenitic stainless steel in the thickness range of 1/16 through 1-1/2 inch, using manual gas tungsten arc welding with consumable insert root. It cites the base metals and operating conditions necessary to make the weldment, the filler metal specifications, and the allowable joint designs for groove welds. This SWPS was developed primarily for pipe applications.
Single copy price: $136.00
Obtain an electronic copy from: jrosario@aws.org
Send comments (copy psa@ansi.org) to: Jennifer Rosario <jrosario@aws.org>

AWWA (American Water Works Association)

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

Revision

BSR/AWWA B603-202x, Permanganates (revision of ANSI/AWWA B603-2015)
This standard describes both dry potassium permanganate crystals, CAS No. 7722-64-7, and liquid sodium permanganate solutions, CAS No. 10101-50-5, for use in the treatment of potable and reuse or reclaimed water and wastewater.
Single copy price: Free
Obtain an electronic copy from: ETSsupport@awwa.org
Send comments (copy psa@ansi.org) to: Paul Olson <polson@awwa.org>

AWWA (American Water Works Association)

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

Revision

BSR/AWWA C111/A21.11-202x, Rubber-Gasket Joints for Ductile-Iron Pressure Pipe and Fittings (revision of ANSI/AWWA C111/A21.11-2017)
This standard describes rubber-gasket joints of the following types for ductile-iron pressure pipe and ductile-iron and gray-iron fittings, valves, hydrants, and other appurtenances for potable water, raw water, nonaggressive wastewater, and reclaimed water supply service.
Single copy price: Free
Obtain an electronic copy from: etssupport@awwa.org
Send comments (copy psa@ansi.org) to: Paul Olson <polson@awwa.org>

Comment Deadline: April 3, 2023

ECIA (Electronic Components Industry Association)
13873 Park Center Road, Suite 315, Herndon, VA 20171 | ldonohoe@ecianow.org, www.ecianow.org

Reaffirmation

BSR/EIA 364-09D-2018 (R202x), Durability Test Procedure for Electrical Connectors and Contacts (reaffirmation of ANSI/EIA 364-09D-2018)
This standard establishes a method to determine the effects caused by subjecting electrical connectors or contacts to the conditioning action of mating and unmating, simulating the expected life of the connectors.
Single copy price: $79.00
Obtain an electronic copy from: https://global.ihs.com/
Send comments (copy psa@ansi.org) to: emikoski@ecianow.org

ECIA (Electronic Components Industry Association)
13873 Park Center Road, Suite 315, Herndon, VA 20171 | ldonohoe@ecianow.org, www.ecianow.org

Reaffirmation

BSR/EIA 364-57A-2017 (R202x), Coupling Pin Strength Test Procedure for Circular Bayonet Electrical Connectors (reaffirmation of ANSI/EIA 364-57A-2017)
This test procedure establishes a test method to determine whether coupling pin strength can withstand external forces required to mate and unmated circular bayonet electrical connectors with gages or devices.
Single copy price: $75.00
Obtain an electronic copy from: https://global.ihs.com/
Send comments (copy psa@ansi.org) to: emikoski@ecianow.org

ECIA (Electronic Components Industry Association)
13873 Park Center Road, Suite 315, Herndon, VA 20171 | ldonohoe@ecianow.org, www.ecianow.org

Reaffirmation

BSR/EIA 364-78C-2018 (R202x), Cavity Leakage Bonding Integrity Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-78C-2018)
This standard establishes a technique for evaluating the sealing integrity of the contact cavity walls of an environmentally sealed electrical connector by detecting leakage between a given contact cavity and those adjacent to it. This technique is suitable for application at the onset of a series of environmental tests (e.g., qualification or periodic inspection) to evaluate the soundness of the product before the start of test.
Single copy price: $78.00
Obtain an electronic copy from: https://global.ihs.com/
Send comments (copy psa@ansi.org) to: emikoski@ecianow.org

ECIA (Electronic Components Industry Association)
13873 Park Center Road, Suite 315, Herndon, VA 20171 | ldonohoe@ecianow.org, www.ecianow.org

Reaffirmation

BSR/EIA 364-83A-2017 (R202x), Shell-to-Shell and Shell-to-Bulkhead Resistance Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-83A-2017)
This standard test procedure applies to mated plugs and receptacles or mated plugs and receptacles mounted to a bulkhead with conductive shells and/or mounting flange.
Single copy price: $81.00
Obtain an electronic copy from: https://global.ihs.com/
Send comments (copy psa@ansi.org) to: emikoski@ecianow.org

Comment Deadline: April 3, 2023

ECIA (Electronic Components Industry Association)

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

Reaffirmation

BSR/EIA 364-117-2017 (R202x), Dielectric Breakdown Voltage Test Procedure for Electrical Connectors, Sockets and Coaxial Contacts (reaffirmation of ANSI/EIA 364-117-2017)
This standard applies to electrical connectors, sockets and coaxial contacts.
Single copy price: $79.00
Obtain an electronic copy from: https://global.ihs.com/
Send comments (copy psa@ansi.org) to: emikoski@ecianow.org

ESTA (Entertainment Services and Technology Association)

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

New Standard

BSR/ES1.2-202x, Event Safety - Planning and Major Incident Management (new standard)
This standard describes a process for event organizers and supporting staff to create and implement event-related plans for health and safety management. This process includes a framework, guidelines, and recommended practices that can be used to reduce risk as much as reasonably practical and to respond appropriately when an incident occurs.
Single copy price: Free
Obtain an electronic copy from: https://tsp.esta.org/tsp/documents/public_review_docs.php
Send comments (copy psa@ansi.org) to: Karl Ruling <standards@esta.org>

ESTA (Entertainment Services and Technology Association)

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

New Standard

BSR/E1.72-202x, Powered Floor Machinery (new standard)
This standard establishes requirements for the design, manufacture, installation, inspection, operation and maintenance of powered Stage Floor Machinery for performance, presentation, and theatrical production. It addresses the machinery, mechanisms, machine safety devices, and control interface requirements for equipment and systems, installed permanently or temporarily. Examples include but are not limited to: wagons, turntables, treadmills, slip stages and trap covers.
This standard does not apply to the structure to which the machine is attached nor the finished floor including its subflooring construction. Machines that produce substantially vertical movement, such as lifts, are also excluded from this standard.
Single copy price: Free
Obtain an electronic copy from: https://tsp.esta.org/tsp/documents/public_review_docs.php
Send comments (copy psa@ansi.org) to: Karl Ruling <standards@esta.org>

Comment Deadline: April 3, 2023

ESTA (Entertainment Services and Technology Association)

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

New Standard

BSR ES1.17-202x, Event Safety - Electrical Safety and Lighting (new standard)
The standard shall apply to the application, assessment & documentation of safe electrical working practices during the installation, show and dismantling of event electrical systems and equipment. The event industry includes, but is not limited to, musical productions, festivals, concerts, theatre and film production, video productions, corporate events, trade shows, sporting events, broadcast production, and events related to them.
Single copy price: Free
Obtain an electronic copy from: https://tsp.esta.org/tsp/documents/public_review_docs.php
Send comments (copy psa@ansi.org) to: Karl Ruling <standards@esta.org>

ESTA (Entertainment Services and Technology Association)

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

Reaffirmation

BSR E1.14-2018 (R202x), Entertainment Technology - Recommendations for Inclusions in Fog Equipment Manuals (reaffirmation of ANSI E1.14-2018)
The standard applies to the instruction manuals for fog-making equipment manufactured for use in the entertainment industry. Fog users must have some general knowledge of the technology, have a clear understanding of how to operate the fog system, and be aware of the potential hazards related to the use of fog and fog systems. This standard establishes guidelines for manufacturers to provide the user with the necessary information required for the safe and responsible use of fog equipment.
Single copy price: Free
Obtain an electronic copy from: http://tsp.esta.org/tsp/documents/public_review_docs.php
Send comments (copy psa@ansi.org) to: Karl Ruling <standards@esta.org>

HL7 (Health Level Seven)

3300 Washtenaw Avenue, Suite 227, Ann Arbor, MI 48104 | Karenvan@HL7.org, www.hl7.org

Revision

BSR/HL7 CDAR2L3IG EMSRUNRPT, R3-202x, HL7 CDA® R2 Implementation Guide: Emergency Medical Services; Patient Care Report, Release 3 - US Realm (revision and redesignation of ANSI/HL7 CDAR2L3IG EMSRUNRPT, R2 -2016 (R2021))
This implementation guide supports the provision of emergency medical service data from provider agencies to hospital emergency departments using the CDA standard. The clinical specifications were developed by the National EMS Information System Technical Assistance Center in collaboration with thirteen professional societies and eight federal partners. This release brings the Patient Care Report up to date with the NEMSIS 3.5 specification.
Single copy price: Free
Obtain an electronic copy from: Karenvan@HL7.org
Send comments (copy psa@ansi.org) to: Karen Van Hentenryck <Karenvan@HL7.org>

Comment Deadline: April 3, 2023

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

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

New Standard

BSR/IAPMO Z1167-202x, Solid Waste Containment Interceptors (new standard)
This Standard covers solid waste containment interceptors intended for commercial and residential applications and specifies requirements for materials, physical characteristics, performance testing, and markings.Solid waste containment interceptors covered by this standard include trap interceptors and non-trap interceptors of various configurations. Examples of some, but not all, solid waste containment interceptor applications include dental offices, medical offices, laundry applications and testing laboratories.
Single copy price: Free
Obtain an electronic copy from: standards@iapmostandards.org
Send comments (copy psa@ansi.org) to: George Istefan <standards@iapmostandards.org>

NEMA (ASC C82) (National Electrical Manufacturers Association)

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

New Standard

BSR C82.77-6-202X, Standard for Lighting Equipment Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤16 A per phase and not subject to conditional connection (new standard)
The purpose of the standard is to recommend a method of quantifying the visibility of temporal light artifacts (TLA) and to recommend initial, broad application-dependent limits on TLA. The photometric recommendations and measurement methods are applicable to any lighting equipment (e.g., luminaires, light engines, self-ballasted lamps, drivers, and sensors) with any control system. Specific recommendations and measurement methods for controls are only included for phase-cut dimming. The standard applies to visibility of TLA to human observers in applications with limited speeds of motion, such as an office environment.
Single copy price: $50.00
Obtain an electronic copy from: michael.erbesfeld@nema.org
Send comments (copy psa@ansi.org) to: Same

NFPA (National Fire Protection Association)

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

New Standard

BSR/NFPA 915-202x, Standard for Remote Inspections (new standard)
1.1 Scope This standard shall provide the minimum requirements for the procedures, methods, transmission, data collection, and documentation associated with remote inspections and tests, automated inspection and testing, and distance monitoring performed in accordance with other governing laws, codes, and standards.
Obtain an electronic copy from: www.nfpa.org/915Next
Send comments (copy psa@ansi.org) to: www.nfpa.org/915Next

Comment Deadline: April 3, 2023

NFPA (National Fire Protection Association)

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

Revision

BSR/NFPA 3-202x, Standard for Commissioning of Fire Protection and Life Safety Systems (revision of ANSI/NFPA 3-2021)
This standard shall provide the required procedures, methods, and documentation for the commissioning of active and passive fire protection and life safety systems and their interconnections with other building systems.
Obtain an electronic copy from: www.nfpa.org/3Next
Send comments (copy psa@ansi.org) to: www.nfpa.org/3Next

NFPA (National Fire Protection Association)

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

Revision

BSR/NFPA 4-202x, Standard for Integrated Fire Protection and Life Safety System Testing (revision of ANSI/NFPA 4-2021)
The standard shall provide the minimum requirements for testing of integrated fire protection and life safety systems where such testing is required by the design documents, commissioning plan, governing laws, codes, regulations, or standards. A. These requirements include protocol for testing procedures, responsibilities of various parties, methods and documentation for verifying the operational readiness and sequence of integrated systems. The standard is designed to ensure that interconnected active and passive fire protection and life safety systems operate as intended. It is not the intent of this standard to require implementation of emergency response procedures, evacuation drills, or other exercises that require facility staff or fire department response. However, when integrated systems tests are being conducted, it can be an appropriate opportunity to practice emergency procedures or drills. This standard does not prohibit the owner of the property, building, or individual system or the owner's designated representative from requiring integrated system testing by design or contract documents. For some buildings, the integrated system testing requirements of NFPA 4 can be considered satisfied by performing the acceptance tests and the inspection, testing, and maintenance required by the NFPA standards for the systems in a building. For example..
Obtain an electronic copy from: www.nfpa.org/4Next
Send comments (copy psa@ansi.org) to: www.nfpa.org/4Next

Comment Deadline: April 3, 2023

NFPA (National Fire Protection Association)

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

Revision

BSR/NFPA 51B-202x, Standard for Fire Prevention During Welding, Cutting, and Other Hot Work (revision of ANSI/NFPA 51B-2019)
This standard shall cover provisions to prevent injury, loss of life, and loss of property from fire or explosion as a result of hot work. A. Cutting and welding processes using electric arcs or oxy–fuel gas flames are a necessary part of our industrial world. Too often, however, the persons who use, contract, or supervise the use of these processes do not fully appreciate that their improper use can result in loss of life and property by fire and explosion. Approximately 6 percent of fires in industrial properties and many fires in other properties have been caused by cutting and welding, primarily with portable equipment in areas not specifically designed or approved for such work. Cutting and certain arc welding operations produce literally thousands of ignition sources in the form of sparks and hot slag. Electric arcs or oxy–fuel gas flames and hot work pieces are also inherent ignition sources. The majority of fires in which cutting and welding are factors have been caused by sparks. These globules of molten metal have scattered horizontally as far as 35 ft (11 m), setting fire to all kinds of combustible materials. They have also fallen...
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NFPA (National Fire Protection Association)

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Revision

BSR/NFPA 59-202x, Utility LP-Gas Plant Code (revision of ANSI/NFPA 59-2021)
This code shall apply to the design, construction, location, installation, operation, and maintenance of refrigerated and nonrefrigerated utility gas plants including LP-gas containers, piping, and associated process equipment, and controls and fire protection. Coverage begins at: (1) The point of transfer when delivery is by cargo tank vehicle or railcar. (2) The liquid inlet isolation valve located downstream of hazardous liquid pipeline under the jurisdiction of 49 CFR part 195. (3) Coverage shall extend to the point where LP-Gas vapor or a mixture of LP-Gas vapor and air is introduced into the utility distribution system under the jurisdiction of 49 CFR Part 192. Installations that have an aggregate water capacity of 4000 gal (15.14 m3) or less shall conform to NFPA58, Liquefied Petroleum Gas Code.
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NFPA (National Fire Protection Association)

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Revision

BSR/NFPA 78-202x, Guide on Electrical Inspections (revision of ANSI/NFPA 78-2019)
This document covers minimum criteria to aid in organizing and conducting electrical inspections, which includes administration, plans review, and field inspection, for new electrical installations and modifications to existing electrical installations in conformance with AHJ requirements.
Obtain an electronic copy from: www.nfpa.org/78Next
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Comment Deadline: April 3, 2023

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Revision

BSR/NFPA 90A-202x, Standard for the Installation of Air-Conditioning and Ventilating Systems (revision of ANSI/NFPA 90A-2021)
This standard shall cover construction, installation, operation, and maintenance of systems for air conditioning and ventilating, including filters, ducts, and related equipment, to protect life and property from fire, smoke, and gases resulting from fire or from conditions having manifestations similar to fire. An air duct system has the potential to convey smoke, hot gases, and flame from area to area and to supply air to aid combustion in the fire area. For these reasons, fire protection of an air duct system is essential to safety to life and the protection of property. However, an air duct system's fire integrity also enables it to be used as part of a building's fire protection system. Guidance for the design of smoke-control systems is provided in NFPA 92, Standard for Smoke Control Systems. Pertinent information on maintenance is provided in Annex B. Maintenance of fire dampers, ceiling dampers, smoke dampers, and combination fire/smoke dampers requirements can be found in NFPA 80, Standard for Fire Doors and Other Opening Protectives, and NFPA 105, Standard for Smoke Door Assemblies and Other Opening Protectives.
Obtain an electronic copy from: www.nfpa.org/90ANext
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Revision

BSR/NFPA 90B-202x, Standard for the Installation of Warm Air Heating and Air-Conditioning Systems (revision of ANSI/NFPA 90B-2021)
This standard shall cover construction, installation, operation, and maintenance of systems for warm air heating and air conditioning, including filters, ducts, and related equipment to protect life and property from fire, smoke, and gases resulting from fire For other types of systems, see NFPA 90A. For installation of blower and exhaust systems, see NFPA 91. For removal of smoke and grease-laden vapors from commercial cooking equipment, see NFPA 96.
Obtain an electronic copy from: www.nfpa.org/90BNext
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Revision

BSR/NFPA 211-202x, Standard for Chimneys, Fireplaces, Vents, and Solid Fuel-Burning Appliances (revision of ANSI/NFPA 211-2019)
This standard applies to the design, installation, maintenance, and inspection of all chimneys, fireplaces, venting systems, and solid fuel–burning appliances.
Obtain an electronic copy from: www.nfpa.org/211Next
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Comment Deadline: April 3, 2023

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Revision

BSR/NFPA 220-202x, Standard on Types of Building Construction (revision of ANSI/NFPA 220-2021)
This standard defines types of building construction based on the combustibility and the fire resistance rating of a building's structural elements. Fire walls, nonbearing exterior walls, nonbearing interior partitions, fire barrier walls, shaft enclosures, and openings in walls, partitions, floors, and roofs are not related to the types of building construction and are regulated by other standards and codes, where appropriate. It is necessary for the user to consider the influence of location, occupancy, exterior exposure, possibility of mechanical and physical damage to fire-resistant material, and other features that could impose additional requirements for safeguarding life and property, as commonly covered in building codes. For information on the construction of fire walls and fire barrier walls, see NFPA 221, Standard for High Challenge FireWalls, Fire Walls, and Fire BarrierWalls. For the installation of opening protection, see NFPA 80, Standard for Fire Doors and Other Opening Protectives and NFPA 90A, Standard for the Installation of Air-Conditioning and Ventilating Systems.
Obtain an electronic copy from: www.nfpa.org/220Next
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Revision

BSR/NFPA 221-202x, Standard for High Challenge Fire Walls, Fire Walls, and Fire Barrier Walls (revision of ANSI/NFPA 221-2021)
This standard specifies requirements for the design and construction of high challenge fire walls, fire walls, and fire barrier walls including protection of openings and penetrations.
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Revision

BSR/NFPA 496-202x, Standard for Purged and Pressurized Enclosures for Electrical Equipment (revision of ANSI/NFPA 496-2021)
This standard applies to purging and pressurizing for the following: (1) Electrical equipment located in areas classified as hazardous by Article 500 or Article 505 of NFPA 70 (2) Electrical equipment containing sources of flammable vapors or gases and located in either classified or unclassified areas (3) Control rooms or buildings located in areas classified as hazardous by Article 500 or Article 505 of NFPA 70 (4) Analyzer rooms containing sources of flammable vapors or gases and located in areas classified as hazardous by Article 500 or Article 505 of NFPA 70 This standard does not apply to electrical equipment located in: (1) Areas classified as Class I, Zone 0 (2) Areas classified as Class III (3) Areas where flammable liquids may be splashed or spilled on the electrical equipment A. Electrical equipment should be located in an area having as low a degree of hazard classification as is practical. Where there is probability of flammable liquid exposure, additional means should be taken to avoid ingress.
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Revision

BSR/NFPA 497-202x, Recommended Practice for the Classification of Flammable Liquids, Gases, or Vapors and of Hazardous (Classified) Locations for Electrical Installations in Chemical Process Areas (revision of ANSI/NFPA 497-2021)

This recommended practice applies to those locations where flammable gases or vapors, flammable liquids, or combustible liquids are processed or handled; and where their release into the atmosphere could result in their ignition by electrical systems or equipment. This recommended practice provides information on specific flammable gases and vapors, flammable liquids, and combustible liquids whose relevant combustion properties have been sufficiently identified to allow their classification into the groups established by NFPA 70 (NEC), for proper selection of electrical equipment in hazardous (classified) locations. The tables of selected combustible materials contained in this document are not intended to be all-inclusive.

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Revision

BSR/NFPA 499-202x, Recommended Practice for the Classification of Combustible Dusts and of Hazardous (Classified) Locations for Electrical Installations in Chemical Process Areas (revision of ANSI/NFPA 499-2021)

This recommended practice provides information on the classification of combustible dusts and of hazardous (classified) locations for electrical installations in chemical process areas and other areas where combustible dusts are produced or handled. A. This recommended practice addresses the application of the electrical equipment in a combustible dust atmosphere. It does not address the fugitive dusts in the facility and those potential hazards. While this document acknowledges that the dust accumulation on structural beams or within the facility is a hazard, this recommended practice addresses only dust accumulation on electrical equipment. This recommended practice provides information on combustible dusts as it relates to the proper selection of electrical equipment in hazardous (classified) locations in accordance with NFPA 70. The tables of selected combustible dusts contained in this document are not intended to be all-inclusive.

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Revision

BSR/NFPA 703-202x, Standard for Fire-Retardant-Treated Wood and Fire-Retardant Coatings for Building Materials (revision of ANSI/NFPA 703-2021)

This standard provides criteria for defining and identifying fire retardant–treated wood and fire retardant– coated building materials. Fire resistance ratings measured on an hourly basis are not covered in this standard. To establish such ratings, tests should be made in accordance with NFPA 251.

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Revision

BSR/NFPA 820-202x, Standard for Fire Protection in Wastewater Treatment and Collection Facilities (revision of ANSI/NFPA 820-2020)
General. This standard shall establish minimum requirements for protection against fire and explosion hazards in wastewater treatment plants and associated collection systems, including the hazard classification of specific areas and processes. A. Other NFPA standards should be consulted for additional requirements relating to wastewater treatment and collection facilities. This standard shall apply to the following: (1) Collection sewers (2) Trunk sewers (3) Intercepting sewers (4) Combined sewers (5) Storm sewers (6) Pumping stations (7) Wastewater treatment plants (8) Sludge-handling facilities (9) Chemical-handling facilities (10) Treatment facilities (11) Ancillary structures (see 3.3.60.1) This standard shall not apply to the following: (1) Collection, treatment, or disposal of industrial wastes or manufactured by-products that are treated on-site and not discharged to a publicly or privately operated municipal facility (2) On-site treatment systems (see 3.3.61.1) (3) Pressure sewer systems (see 3.3.54.8) (4) Building drain systems and appurtenances (see 3.3.5) (5) Industrial sewer systems and appurtenances (see 3.3.54.5) (6) Personnel safety from toxic and hazardous materials or products of combustion (7) Separate nonprocess-related structures (see 3.3.60.2)
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Revision

BSR/NFPA 1078-202x, Standard for Electrical Inspector Professional Qualifications (revision of ANSI/NFPA 1078 -2019)
This standard identifies the minimum job performance requirements (JPRs) for electrical inspectors.
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NISO (National Information Standards Organization)

3600 Clipper Mill Road, Suite 302, Baltimore, MD 21211 | kbailey@niso.org, www.niso.org

New Standard

BSR/NISO Z39.106-202x, Peer Review Terminology (new standard)
This document identifies and standardizes definitions and terminology in peer review practices in order to help align nomenclature as more publishers use open peer review models. A peer review terminology that is used across publishers will help make the peer review process for articles and journals more transparent, and will enable the community to better assess and compare peer review practices between different journals.
Single copy price: Free
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NSF (NSF International)

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Revision

BSR/NSF 4-202x (i35r1), Commercial Cooking, Rethermalization, and Powered Hot Food Holding and Transportation Equipment (revision of ANSI/NSF 4-2020)
Equipment covered by this standard includes, but is not limited to, ranges, ovens, fat / oil fryers, fat / oil filters, griddles, tilting griddle skillets, broilers, steam and pressure cookers, kettles, rotisseries, toasters, coffee makers and other hot beverage makers, component water heating equipment, proofing boxes and cabinets, hot food holding equipment, rethermalization equipment, and hot food transport cabinets.
Single copy price: Free
Obtain an electronic copy from: https://standards.nsf.org/apps/group_public/download.php/68226/4i35r1%20-%20Equipment%20Mounting-Sealed%20to%20Surface%20et%20al%20-%20JC%20Memo%20and%20Ballot.pdf
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NSF (NSF International)

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Revision

BSR/NSF 6-202x (i22r1), Dispensing Freezers (revision of ANSI/NSF 6-2021)
This standard contains requirements for the following equipment: dispensing freezers that process and freeze previously pasteurized product (e.g., soft ice cream, ice milk, yogurt, malts, custards) and dispense it directly into the consumer's container; dispensing freezers that dispense premanufactured frozen product (e.g., ice cream) directly into the consumer’s container; and batch dispensing freezers.
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Revision

BSR/NSF 7-202x (i27r1), Commercial Refrigerators and Freezers (revision of ANSI/NSF 7-2021)
This standard contains requirements for refrigerators and freezers used to store and/or display cold food. The types of refrigerators and freezers covered by this standard include, but are not limited to, storage refrigerators (e.g., reach-in, under counter, walk-in, roll-in); storage freezers (e.g., reach-in, under counter, walk-in, roll-in); rapid pull-down refrigerators and freezers; refrigerated food transport cabinets; refrigerated buffet units; refrigerated food preparation units; display refrigerators; beverage coolers; and ice cream cabinets.
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Revision

BSR/NSF 8-202x (i21r1), Commercial Powered Food Preparation Equipment (revision of ANSI/NSF 8-2021)
Equipment covered by this standard includes, but is not limited to, coffee grinders, grinders, mixers, pasta makers, peelers, saws, slicers, tenderizers, and similar equipment.
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Revision

BSR/NSF 12-202x (i16r1), Automatic Ice Making Equipment (revision of ANSI/NSF 12-2018)
This standard contains requirements for automatic ice making equipment and devices used in the manufacturing, processing, storing, dispensing, packaging, and transportation of ice intended for human consumption.
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Revision

BSR/NSF 18-202x (i22r1), Manual Food and Beverage Dispensing Equipment (revision of ANSI/NSF 18-2022)
This standard contains requirements for equipment and devices that manually dispense food or beverages, in bulk or in portions. The materials, design, and construction requirements of this standard may also be applied to an item that is manufactured as a component of food and beverage dispensing equipment.
Single copy price: Free
Obtain an electronic copy from: https://standards.nsf.org/apps/group_public/download.php/68226/4i35r1%20-%20Equipment%20Mounting-Sealed%20to%20Surface%20et%20al%20-%20JC%20Memo%20and%20Ballot.pdf
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NSF (NSF International)

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Revision

BSR/NSF 20-202x (i10r1), Commercial Bulk Milk Dispensing Equipment (revision of ANSI/NSF 20-2022)
This standard contains requirements for bulk milk dispensers designed to dispense servings of milk or milk products by manual or machine actuation.
Single copy price: Free
Obtain an electronic copy from: https://standards.nsf.org/apps/group_public/download.php/68226/4i35r1%20-%20Equipment%20Mounting-Sealed%20to%20Surface%20et%20al%20-%20JC%20Memo%20and%20Ballot.pdf
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Revision

BSR/NSF 25-202x (i23r1), Vending Machines for Food and Beverages (revision of ANSI/NSF 25-2022)
This standard contains requirements for food and beverage vending machines that vend packaged food and beverages and those that vend food and beverages in bulk.
Single copy price: Free
Obtain an electronic copy from: https://standards.nsf.org/apps/group_public/download.php/68226/4i35r1%20-%20Equipment%20Mounting-Sealed%20to%20Surface%20et%20al%20-%20JC%20Memo%20and%20Ballot.pdf
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Revision

BSR/NSF 169-202x (i12r1), Special Purpose Food Equipment and Devices (revision of ANSI/NSF 169-2020)
Equipment covered by this standard includes, but is not limited to, specialty equipment items or devices that have special, complex, or multiple functions such as refrigeration heating equipment, and refrigerated tumblers equipment.
Single copy price: Free
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TIA (Telecommunications Industry Association)

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

National Adoption

BSR/TIA 4920000-C-202x, Generic Specification for Optical Fibers (national adoption with modifications of IEC 60793-2:2019)
Adopt with modifications IEC 60793-2:2019 as ANSI/TIA-4920000-C to update the specification and achieve closer harmonization with international standards. The modifications may include: 1. addition of TIA documents to the normative references, 2. addition of TIA test methods closely equivalent to IEC test methods, 3. addition of TIA classification of fibers closely equivalent to IEC classifications, changes within text to include TIA classifications and references.
Single copy price: $77.00
Obtain an electronic copy from: standards-process@tiaonline.org
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ULSE (UL Standards & Engagement)

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Revision

BSR/UL 1598-202x, Standard for Safety for Luminaires (revision of ANSI/UL 1598-2021)
Proposed revisions to edition 5 of UL 1598 which includes the following changes in requirements: a) Grounding of secondary circuits; b) Clarification to 5.7.1.3; c) Clarification of 6.20.5; d) Revision for typo in clause 7.2.3.6 of UL1598; e) Delete orphaned 9.6 header; f) Polymeric Recessed Luminaires Marking Clarification; g) Add test requirement for relamping-induced safety-impairing damage; h) Proposed alternate method for luminaires physically too small for all required markings; and i) Marking size for small luminaires.
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Revision

BSR/UL 8-202x, Standard for Water Based Agent Fire Extinguishers (revision of ANSI/UL 8-2020)
This proposal covers: 1. Agent Suspension
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Revision

BSR/UL 1191-202x, Standard for Components for Personal Flotation Devices (revision of ANSI/UL 1191-2022)
This proposal covers: 1. Correction of opening and closing force for zippers in Table 17.2 2. Removal of redundant Carbon Arc weathering option 3. Split out Use Codes 2F, 3F, 5H for exposure 3 in Table 36.2
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Revision

BSR/UL 1468-202x, Standard for Direct Acting Pressure Reducing and Pressure Restricting Valves (revision of ANSI/UL 1468-2018)
This proposal covers: 1. Editorial new edition of standard
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Revision

BSR/UL 1598C-202x, Standard for Safety for Light-Emitting Diode (LED) Retrofit Luminaire Conversion Kits (revision of ANSI/UL 1598c-2017)
These requirements apply to light-emitting diode (LED) retrofit luminaire conversion kits that are intended to replace existing light sources and systems including incandescent, fluorescent, induction, and high intensity discharge (HID) light sources in previously installed luminaires that already comply with the requirements in the Standard for Luminaires, UL 1598. The kits are intended for use on: Luminaires where specific luminaire model or part numbers are identified in the kit installation instructions; or One or more generic type luminaires that meet specific criteria identified in the installation kit instructions. It contains requirements that supplement the luminaire requirements contained in the Standard for Luminaires, UL 1598, that apply to the retrofit kit and the luminaire. There are additional requirements for LED retrofit luminaire conversion kits intended for marine luminaires (marine-type fixtures), and for LED retrofit luminaire conversion kits intended for stage and studio luminaires. The proposed second edition of UL 1598C, includes the following proposed changes in requirements: A. UL 1598C revisions including Scope expansion and restructuring of requirements; New Annex for LED retrofit kits for low voltage luminaires; New Annex for LED retrofit kits for commercial refrigerators and freezers; and New and revised retrofit kit markings and instructions; and B. Enhanced delivery of installer information
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Revision

BSR/UL 1993-202x, Standard for Safety for Self-Ballasted Lamps and Lamp Adapters (revision of ANSI/UL 1993 -2021)
The proposed sixth edition of UL 1993, includes the following proposed changes in requirements:
1. Flammability rating of polymeric lamp bases; 2. Additional instructions for Type A LED lamps; 3. Proposed revision to SA8.8 Drop Impact Test; 4. Alternate wattage limit for high-lumen lamps; 5. Revisions to production line test conditions; 6. Lamps for use in elevated ambient temperatures; 7. Merging of duplicate rigidity after drop test methods; 8. Protective functions during the temperature test; 9. Wireless control circuits; 10. LED Filament Lamps – Current Cascade Abnormal; 11. Edison screw base length; 12. Correction of footnote b in Table 5.2; 13. Corrections to various errors; 14. Updates to ANCE references – 2.1; 15. 4.5.1.2: Add the reference - NMX-J-198-ANCE-2015; 16. 5.3.1: Add the publication year to the reference NMX-565/2-11-ANCE; 17. 5.3.3: Add the reference NMX-J-565/3-ANCE-2006; 18. Table 5.2 – Add a note; updates to footnote b and footnote c; 19. 5.4.5: update reference to: NMX-J-024-ANCE-2018; 20. 6.1.1, Delete all references to NMX-J-325-ANCE; 21. 6.4.5: update reference to: NMX-J-578-ANCE-2006; 22. SB3.8 (b): add NMX-J-591/1-ANCE-2007 & NMX-J-591/2-6-ANCE-2020; 23. SC4.5.2: Add the reference NMX-J-295/2-ANCE-2010; 24. Correction: Add reference to UL 2054, and 25. Updates to Reference Publications and Markings and Instructions for Special use lamps.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/Home/ProposalsDefault.aspx
Order from: https://www.shopulstandards.com/
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

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:

AWS (American Welding Society)
8669 NW 36th Street, Suite 130, Miami, FL 33166-6672 | pportela@aws.org, www.aws.org

BSR/AWS C4.5M-202x, Uniform Designation System for Oxyfuel Nozzles (new standard)
Send comments (copy psa@ansi.org) to: Peter Portela <pportela@aws.org>

AWS (American Welding Society)
8669 NW 36th Street, Suite 130, Miami, FL 33166-6672 | pportela@aws.org, www.aws.org

BSR/AWS D10.11-200x, Guide for Root Pass Welding of Pipe Without Backing (new standard)
Send comments (copy psa@ansi.org) to: Peter Portela <pportela@aws.org>

Withdrawal of an ANS by ANSI-Accredited Standards Developer

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

ULSE (UL Standards & Engagement)
12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | Annabelle.Hollen@ul.org, https://ulse.org/

Reaffirmation

ANSI/UL 603-2013 (R2018), Standard for Safety for Power Supplies for Use with Burglar-Alarm Systems (reaffirmation of ANSI/UL 603-2013)
Send comments (copy psa@ansi.org) to: Annabelle Hollen <Annabelle.Hollen@ul.org>

ULSE (UL Standards & Engagement)
12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | Annabelle.Hollen@ul.org, https://ulse.org/

Revision

ANSI/UL 365-2015b, Standard for Safety for Police Station Connected Burglar Alarm Units and Systems (revision of ANSI/UL 365-2010)
Send comments (copy psa@ansi.org) to: Annabelle Hollen <Annabelle.Hollen@ul.org>

ULSE (UL Standards & Engagement)
12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | Annabelle.Hollen@ul.org, https://ulse.org/

Revision

ANSI/UL 365-2018, Standard for Police Station Connected Burglar Alarm Units and Systems (revision of ANSI/UL 365-2015a)
Send comments (copy psa@ansi.org) to: Annabelle Hollen <Annabelle.Hollen@ul.org>

ULSE (UL Standards & Engagement)
12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | Annabelle.Hollen@ul.org, https://ulse.org/

Revision

ANSI/UL 609-2018, Standard for Local Burglar Alarm Units and Systems (revision of ANSI/UL 609-2015)
Send comments (copy psa@ansi.org) to: Annabelle Hollen <Annabelle.Hollen@ul.org>

Withdrawal of an ANS by ANSI-Accredited Standards Developer

ULSE (UL Standards & Engagement)
12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | Annabelle.Hollen@ul.org, https://ulse.org/

Revision

ANSI/UL 636-2018, Standard for Holdup Alarm Units and Systems (revision of ANSI/UL 636-2008 (R2013))
Send comments (copy psa@ansi.org) to: Annabelle Hollen <Annabelle.Hollen@ul.org>

ULSE (UL Standards & Engagement)
12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | Annabelle.Hollen@ul.org, https://ulse.org/

Revision

ANSI/UL 1076-2018, Standard for Safety for Proprietary Burglar Alarm Units and Systems (revision of ANSI/UL 1076-2015)
Send comments (copy psa@ansi.org) to: Annabelle Hollen <Annabelle.Hollen@ul.org>

ULSE (UL Standards & Engagement)
12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | Annabelle.Hollen@ul.org, https://ulse.org/

Revision

ANSI/UL 1076-2018a, Standard for Proprietary Burglar Alarm Units and Systems (revision of ANSI/UL 1076 -2015)
Send comments (copy psa@ansi.org) to: Annabelle Hollen <Annabelle.Hollen@ul.org>

ULSE (UL Standards & Engagement)
12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | Annabelle.Hollen@ul.org, https://ulse.org/

Revision

ANSI/UL 1076-2021, Standard for Safety for Proprietary Burglar Alarm Units and Systems (revision of ANSI/UL 1076-2018)
Send comments (copy psa@ansi.org) to: Annabelle Hollen <Annabelle.Hollen@ul.org>

ULSE (UL Standards & Engagement)
12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | Annabelle.Hollen@ul.org, https://ulse.org/

Revision

ANSI/UL 1635-2018, Standard for Safety for Digital Alarm Communicator System Units (revision of ANSI/UL 1635-2015)
Send comments (copy psa@ansi.org) to: Annabelle Hollen <Annabelle.Hollen@ul.org>

ULSE (UL Standards & Engagement)
12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | Annabelle.Hollen@ul.org, https://ulse.org/

Revision

ANSI/UL 1635-2018a, Standard for Safety for Digital Alarm Communicator System Units (revision of ANSI/UL 1635-2015)
Send comments (copy psa@ansi.org) to: Annabelle Hollen <Annabelle.Hollen@ul.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 098-2023, Standard for Mass Spectral Analysis in Forensic Toxicology (new standard) Final Action Date: 2/10/2023 | ***New Standard***

ANSI/AAFS ASB STD 113-2023, Standard for Identification Criteria in Forensic Toxicology (new standard) Final Action Date: 2/10/2023 | ***New Standard***

AMCA (Air Movement and Control Association)

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

ANSI/AMCA 230-2023, Laboratory Methods of Testing Air Circulating Fans for Rating and Certification (revision of ANSI/AMCA 230-2015) Final Action Date: 2/10/2023 | ***Revision***

ASABE (American Society of Agricultural and Biological Engineers)

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

ANSI/ASAE/NFBA EP559.2 MONYEAR-2023, Design Requirements and Engineering Properties for Mechanically-Laminated Wood (Mechlam) Assemblies (revision and redesignation of ANSI/ASAE EP559.1 AUG2010 (R2019)) Final Action Date: 2/7/2023 | ***Revision***

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 161f-2018, Air Quality within Commercial Aircraft (addenda to ANSI/ASHRAE Standard 161-2018) Final Action Date: 1/31/2023 | ***Addenda***

ANSI/ASHRAE Addendum a to Standard 209-2018, Energy Simulation Aided Design for Buildings except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE Standard 209-2018) Final Action Date: 1/31/2023 | ***Addenda***

ANSI/ASHRAE Addendum a to Standard 41.3-2022, Standard Methods for Pressure Measurement (addenda to ANSI/ASHRAE Standard 41.3-2022) Final Action Date: 1/31/2023 | ***Addenda***

ANSI/ASHRAE Addendum a to Standard 41.7-2021, Standard Methods for Gas Flow Measurement (addenda to ANSI/ASHRAE Standard 41.7-2021) Final Action Date: 1/31/2023 | ***Addenda***

ANSI/ASHRAE Addendum b to ANSI/ASHRAE Standard 140-2020, Method of Test for Evaluating Building Performance Simulation Software (addenda to ANSI/ASHRAE Standard 140-2014) Final Action Date: 1/31/2023 | ***Addenda***

ANSI/ASHRAE Addendum d to ANSI/ASHRAE Standard 34-2022, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2022) Final Action Date: 1/31/2023 | ***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 e to ANSI/ASHRAE Standard 34-2022, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2022) Final Action Date: 1/31/2023 | ***Addenda***

ANSI/ASHRAE Addendum f to Standard 30-2019, Method of Testing Liquid Chillers (addenda to ANSI/ASHRAE Standard 30-2019) Final Action Date: 1/31/2023 | ***Addenda***

ANSI/ASHRAE Addendum f to ANSI/ASHRAE Standard 34-2022, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2022) Final Action Date: 1/31/2023 | ***Addenda***

ANSI/ASHRAE Addendum i to ANSI/ASHRAE Standard 90.4-2019, Energy Standard for Data Centers (addenda to ANSI/ASHRAE Standard 90.4-2019) Final Action Date: 1/31/2023 | ***Addenda***

ANSI/ASHRAE/IES Addendum f to ANSI/ASHRAE/IES Standard 100-2018, Energy Efficiency in Existing Buildings (addenda to ANSI/ASHRAE/IES Standard 100-2018) Final Action Date: 1/31/2023 | ***Addenda***

ANSI/ASHRAE Standard 214-2017 (R2023), Standard for Determining and Expressing Building Energy Performance in a Rating Program (reaffirmation of ANSI/ASHRAE Standard 214-2017) Final Action Date: 1/31/2023 | ***Reaffirmation***

ASME (American Society of Mechanical Engineers)

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

ANSI/ASME SRB-1-2018 (R2023), Design, Installation, Maintenance, and Application of Ball Slewing Ring Bearings (reaffirmation of ANSI/ASME SRB-1-2018) Final Action Date: 2/9/2023 | ***Reaffirmation***

ANSI/ASME PTC 22-2023, Gas Turbines (revision of ANSI/ASME PTC 22-2014) Final Action Date: 2/9/2023 | ***Revision***

ASPE (American Society of Plumbing Engineers)

6400 Shafer Court, Suite 350, Rosemont, IL 60018 | gpienta@aspe.org, www.aspe.org

ANSI/ARCSA/ASPE 78-2023, Stormwater Harvesting System Design for Direct End-Use Applications (revision of ANSI/ARCSA/ASPE 78-2015) Final Action Date: 2/6/2023 | ***Revision***

ASTM (ASTM International)

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

ANSI/ASTM E3295-2023, Guide for Using Micro X-Ray Fluorescence (u-XRF) in Forensic Polymer Examinations (new standard) Final Action Date: 11/1/2022 | ***New Standard***

ANSI/ASTM E1994-2009 (R2023), Practice for Use of Process Oriented AOQL and LTPD Sampling Plans (reaffirmation of ANSI/ASTM E1994-2009 (R2018)) Final Action Date: 1/24/2023 | ***Reaffirmation***

ANSI/ASTM E2334-2008 (R2023), Practice for Setting an Upper Confidence Bound for a Fraction or Number of Non-Conforming items, or a Rate of Occurrence for Non-Conformities, Using Attribute Data, When There Is a Zero Response in the Sample (reaffirmation of ANSI/ASTM E2334-2008 (R2018)) Final Action Date: 1/24/2023 | ***Reaffirmation***

ASTM (ASTM International)

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

ANSI/ASTM F952-2012 (R2023), Specification for Mixing Machines, Food, Electric (reaffirmation of ANSI/ASTM F952-2012 (R2017)) Final Action Date: 1/24/2023 | ***Reaffirmation***

ANSI/ASTM F1047-2017 (R2023), Specification for Frying and Braising Pans, Tilting Type (reaffirmation of ANSI/ASTM F1047-2017) Final Action Date: 1/24/2023 | ***Reaffirmation***

ANSI/ASTM F1126-2012 (R2023), Specification for Food Cutters (Electric) (reaffirmation of ANSI/ASTM F1126 -2012 (R2017)) Final Action Date: 1/24/2023 | ***Reaffirmation***

ANSI/ASTM F1217-2017 (R2023), Specification for Cooker, Steam (reaffirmation of ANSI/ASTM F1217-2017) Final Action Date: 1/24/2023 | ***Reaffirmation***

ANSI/ASTM F1360-2017 (R2023), Specification for Ovens, Microwave, Electric (reaffirmation of ANSI/ASTM F1360-2017) Final Action Date: 1/24/2023 | ***Reaffirmation***

ANSI/ASTM F1568-2012 (R2023), Specification for Food Processors, Electric (reaffirmation of ANSI/ASTM F1568 -2012 (R2017)) Final Action Date: 1/24/2023 | ***Reaffirmation***

ANSI/ASTM F1602-2012 (R2023), Specification for Kettles, Steam-Jacketed, 20 to 200 gal (75.7 to 757 L), Floor or Wall Mounted, Direct Steam, Gas and Electric Heated (reaffirmation of ANSI/ASTM F1602-2012 (R2017)) Final Action Date: 1/24/2023 | ***Reaffirmation***

ANSI/ASTM F1603-2017 (R2023), Specification for Kettles, Steam-Jacketed, 32 oz to 20 gal (1 to 75.7 L), Tilting, Table Mounted, Direct Steam, Gas and Electric Heated (reaffirmation of ANSI/ASTM F1603-2017) Final Action Date: 1/24/2023 | ***Reaffirmation***

ANSI/ASTM F1963-2005 (R2023), Specification for Deep-Fat Fryers, Gas or Electric, Open (reaffirmation of ANSI/ASTM F1963-2005 (R2017)) Final Action Date: 1/24/2023 | ***Reaffirmation***

ANSI/ASTM F1966-2012 (R2023), Specification for Dough Divider and Rounding Machines (reaffirmation of ANSI/ASTM F1966-2012 (R2017)) Final Action Date: 1/24/2023 | ***Reaffirmation***

ANSI/ASTM F2363-2017 (R2023), Specification for Sewage and Graywater Flow Through Treatment Systems (reaffirmation of ANSI/ASTM F2363-2017) Final Action Date: 1/24/2023 | ***Reaffirmation***

ANSI/ASTM F2793-2014 (R2023), Specification for Bicycle Grips (reaffirmation of ANSI/ASTM F2793-2014) Final Action Date: 1/24/2023 | ***Reaffirmation***

ANSI/ASTM F2834-2010 (R2023), Specification for Induction Cooktops, Counter Top, Drop-in Mounted, or Floor Standing (reaffirmation of ANSI/ASTM F2834-2010 (R2017)) Final Action Date: 1/24/2023 | ***Reaffirmation***

ANSI/ASTM F2835-2010 (R2023), Specification for Underfired Broilers (reaffirmation of ANSI/ASTM F2835-2010 (R2017)) Final Action Date: 1/24/2023 | ***Reaffirmation***

ANSI/ASTM E84-2023, Test Method for Surface Burning Characteristics of Building Materials (revision of ANSI/ASTM E84-2022) Final Action Date: 2/1/2023 | ***Revision***

ASTM (ASTM International)

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

ANSI/ASTM E1590-2023, Test Method for Fire Testing of Mattresses (revision of ANSI/ASTM E1590-2022) Final Action Date: 2/1/2023 | ***Revision***

ANSI/ASTM E2404-2023, Practice for Specimen Preparation and Mounting of Textile, Paper or Polymeric (Including Vinyl) and Wood Wall or Ceiling Coverings, Facings and Veneers, to Assess Surface Burning Characteristics (revision of ANSI/ASTM E2404-2022) Final Action Date: 1/21/2023 | ***Revision***

ANSI/ASTM E2579-2023, Practice for Specimen Preparation and Mounting of Wood Products to Assess Surface Burning Characteristics (revision of ANSI/ASTM E2579-2021) Final Action Date: 2/1/2023 | ***Revision***

ANSI/ASTM F1166-2023, Practice for Human Engineering Design for Marine Systems, Equipment, and Facilities (revision of ANSI/ASTM F1166-2022) Final Action Date: 1/24/2023 | ***Revision***

BHMA (Builders Hardware Manufacturers Association)

355 Lexington Avenue, 15th Floor, New York, NY 10017-6603 | Kbishop@Kellencompany.com, www.buildershardware.

ANSI/BHMA A156.25-2023, Standard for Electrified Locking Devices (revision of ANSI/BHMA A156.25-2018) Final Action Date: 2/10/2023 | ***Revision***

CSA (CSA America Standards Inc.)

178 Rexdale Boulevard, Toronto, Ontario M9W 1R3, Ontario M9W 1R3 | peter.glowacki@csagroup.org, www.csagroup.org

ANSI/CSA C22.2 No. 336-2018 (R2023), Particular requirements for rechargeable battery-operated commercial robotic floor treatment machines with traction drives (reaffirmation of ANSI/CSA C22.2 No. 336-2018) Final Action Date: 2/7/2023 | ***Reaffirmation***

NSF (NSF International)

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

ANSI/NSF 6-2023 (i21r1), Dispensing Freezers (revision of ANSI/NSF 6-2021) Final Action Date: 2/2/2023 | ***Revision***

ANSI/NSF 40-2023 (i55r1), Residential Wastewater Treatment Systems (revision of ANSI/NSF 40-2022) Final Action Date: 1/31/2023 | ***Revision***

ANSI/NSF 44-2023 (i52r2), Residential Cation Exchange Water Softeners (revision of ANSI/NSF 44-2021) Final Action Date: 1/15/2023 | ***Revision***

ANSI/NSF 46-2023 (i45r1), Evaluation of Components and Devices Used in Wastewater Treatment Systems (revision of ANSI/NSF 46-2021) Final Action Date: 1/31/2023 | ***Revision***

ANSI/NSF 401-2023 (i31r1), Drinking Water Treatment Units - Emerging Compounds / Incidental Contaminants (revision of ANSI/NSF 401-2021) Final Action Date: 1/30/2023 | ***Revision***

PHTA (Pool and Hot Tub Alliance)

2111 Eisenhower Avenue, Suite 500, Alexandria, VA 22314 | standards@phta.org, www.PHTA.org

ANSI/PHTA/ICC-2-2023, Standard for Public Pool and Spa Operations and Maintenance (new standard) Final Action Date: 2/10/2023 | ***New Standard***

SAIA (ASC A92) (Scaffold & Access Industry Association)

400 Admiral Boulevard, Kansas City, MO 64106 | deanna@saiaonline.org, www.saiaonline.org

ANSI SAIA A92.10-2023, Transport Platforms (revision of ANSI/SAIA A92.10-2009 (R2014)) Final Action Date: 2/10/2023 | ***Revision***

ANSI SAIA A92.9-2023, Mast-Climbing Work Platforms (revision of ANSI/SAIA A92.9-2011 (R2017)) Final Action Date: 2/6/2023 | ***Revision***

ULSE (UL Standards & Engagement)

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

ANSI/UL 62990-1-2023, Standard for Safety for Workplace Atmospheres - Part 1: Gas Detectors - Performance Requirements of Detectors for Toxic Gases (national adoption with modifications of IEC 62990-1) Final Action Date: 2/3/2023 | ***National Adoption***

ANSI/UL 60335-2-113-2023, Standard for Safety for Household and Similar Electrical Appliances - Safety - Part 2 -113: Particular Requirements for Beauty Care Appliances Incorporating Lasers and Intense Light Sources (new standard) Final Action Date: 1/27/2023 | ***New Standard***

ANSI/UL 62-2018 (R2023), Standard for Safety for Flexible Cords and Cables (reaffirmation of ANSI/UL 62-2018) Final Action Date: 1/31/2023 | ***Reaffirmation***

ANSI/UL 437-2013 (R2023), Standard for Key Locks (reaffirmation of ANSI/UL 437-2013 (R2017)) Final Action Date: 1/31/2023 | ***Reaffirmation***

ANSI/UL 4248-12-2018 (R2023), Standard for Fuseholders - Part 12: Class R (reaffirmation of ANSI/UL 4248-12 -2018) Final Action Date: 2/6/2023 | ***Reaffirmation***

ANSI/UL 60079-11-2018 (R2023), Safety for Explosive Atmospheres - Part 11: Equipment Protection by Intrinsic Safety i (reaffirm a national adoption ANSI/UL 60079-11-2018) Final Action Date: 1/25/2023 | ***Reaffirmation***

ANSI/UL 79-2023, Standard for Safety for Power-Operated Pumps for Petroleum Dispensing Products (revision of ANSI/UL 79-2021) Final Action Date: 1/25/2023 | ***Revision***

ANSI/UL 2900-2-1-2023, Standard for Safety for Software Cybersecurity for Network-Connectable Products, Part 2 -1: Particular Requirements for Network Connectable Components of Healthcare and Wellness Systems (revision of ANSI/UL 2900-2-1-2020) Final Action Date: 1/27/2023 | ***Revision***

ANSI/UL 60079-5-2023, Standard for Safety for Explosive Atmospheres - Part 5: Equipment Protection by Powder Filling q (revision of ANSI/UL 60079-5-2016 (R2020)) Final Action Date: 2/2/2023 | ***Revision***

ANSI/UL 62841-2-1-2023, Standard for Safety for Hand-Held Motor-Operated Electric Tools - Safety - Part 2-1: Particular Requirements For Hand-Held Drills and Impact Drills (revision of ANSI/UL 62841-2-1-2018) Final Action Date: 1/27/2023 | ***Revision***

ANSI-UL 1660-2023, Standard for Safety for Liquid-Tight Flexible Nonmetallic Conduit (revision of ANSI/UL 1660 -2019) Final Action Date: 1/27/2023 | ***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

ECIA - Electronic Components Industry Association

ECIA is particularly seeking General Interest members

ECIA, through its EIA Standards Committee (ESC), provides a unique forum for the discussion of technical issues and development of industry standards that drive the manufacture, application and use of electronic component products and systems on a global basis. These voluntary industry standards carry the "EIA Standards" trademark and are developed in accordance with, and accredited by, the American National Standards Institute (ANSI).
Anyone with a material interest in the subject matter may participate on an ECIA standards committee. Membership in all interest categories is always welcome; however, ECIA is particularly seeking General Interest members for the following committees:

ACH Automated Component Handling - Committee Scope: Develop and maintain engineering standards and publications for tape, reels, magazines, trays, etc. for handling components in production. Also, provide technical input to US national positions on related international standards issues and proposals.
P-1 Resistive Devices - Committee Scope: All types of resistive components regardless of technology. Includes composition, film, wirewound, thermistors, varistors, networks, chip resistors and integrated passive devices

P-2.1 Ceramic Dielectric Capacitors - Committee Scope: All types of Ceramic Dielectric Capacitors.

P-2.2 Paper, Film, Mica & Wet-Electrolytic Capacitors - Committee Scope: Paper, film, mica and wet-electrolytic capacitors for all AC and DC applications, except inductive heating and utility power-factor correction.

P-2.5 Solid Electrolytic Capacitors - Committee Scope: All types of Tantalum Capacitors.

P-3 Inductive Components - Committee Scope: Covers all types of inductive components regardless of technology used in electronic circuits. It includes inductors, rf. (chokes, filters, interference filters, inductors and transformers), chip inductors, and variable inductors.

Soldering Technology - Committee Scope: The STC encompasses soldering practices (soldering iron-mass reflow techniques) and associated soldering materials (solders, pastes and adhesives, and flux/cleaning agents). However, the Committee will focus on solderability test method development for printed throughhole (PTH) and surface mountable components. One of the major functions is to promote commonality and standardization of soldering test methodology within the EIA Sectors.

AAMI (Association for the Advancement of Medical Instrumentation)

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

BSR/AAMI/ISO 13004-202x, Sterilization of health care products - Radiation - Substantiation of selected sterilization dose: Method VDmaxSD (identical national adoption of ISO 13004:2022)

ASABE (American Society of Agricultural and Biological Engineers)

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

BSR/ASABE S641.1 MONYEAR-202x, Droplet Size Classification of Aerial Application Nozzles (revision of ANSI/ASABE S641-MAY2018 (R2022))

AWS (American Welding Society)

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

BSR/AWS A5.3/A5.3M-202x, Specification for Aluminum and Aluminum-Alloy Electrodes for Shielded Metal Arc Welding (new standard)

AWS (American Welding Society)

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

BSR/AWS A5.10/A5.10M (ISO 18273-202x MOD), Specification for Bare Aluminum and Aluminum-Alloy Welding Electrodes and Rods (national adoption of ISO 18273 with modifications and revision of ANSI/AWS A5.10/A5.10M -2021 (ISO 18273-2015 MOD))

AWS (American Welding Society)

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

BSR/AWS B2.1-1/8-227-202x, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding of Carbon Steel (M-1/P-1, Groups 1 or 2) to Austenitic Stainless Steel (M-8/P-8, Group 1), 1/16 inch [1.5 mm] through 1-1/2 inch [38 mm] Thick, ER309(L), in the As-Welded Condition, Primarily Pipe Applications (revision of ANSI/AWS B2.1-1/8-227-2002 (R2013))

AWS (American Welding Society)

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

BSR/AWS B2.1-1/8-228-202x, Standard Welding Procedure Specification (SWPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1, Groups 1 or 2) to Austenitic Stainless Steel (M-8/P-8, Group 1), 1/8 inch [3 mm] through 1 -1/2 inch [38 mm] Thick, E309(L)-15, -16, or -17, in the As-Welded Condition, Primarily Pipe Applications (revision of ANSI/AWS B2.1-1/8-228-2002 (R2013))

AWS (American Welding Society)

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

BSR/AWS B2.1-1/8-229-202x, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding followed by Shielded Metal Arc Welding of Carbon Steel (M-1/P-1, Groups 1 or 2) to Austenitic Stainless Steel (M -8/P-8, Group 1), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, ER309(L) and E309(L)-15, -16, or -17, in the As-Welded Condition, Primarily Pipe Applications (revision of ANSI/AWS B2.1-1/8-229-2002 (R2013))

AWS (American Welding Society)

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

BSR/AWS B2.1-1/8-230-202x, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding with Consumable Insert Root of Carbon Steel (M-1/P-1, Groups 1 or 2) to Austenitic Stainless Steel (M-8/P-8,Group 1), 1/16 inch [1.5 mm] through 1-1/2 inch [38 mm] Thick, IN309 and ER309(L), As-Welded Condition,Primarily Pipe Applications (revision of ANSI/AWS B2.1-1/8-230-2002 (R2013))

CTA (Consumer Technology Association)

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

BSR/CTA 708-E-2013 (S202x), Digital Television (DTV) Closed Captioning (stabilized maintenance of ANSI/CTA 708-E-2013 (R2018))
Interest Categories: CTA and the R4 Video Systems Intelligent Mobility Committee are particularly interested in adding new members (called "users" who acquire video products from those who create them) as well as those with a general interest.

CTA (Consumer Technology Association)

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

BSR/CTA 814-C/J-STD-42-C-2018 (R202x), Emergency Alert Messaging for Cable (reaffirmation of ANSI/CTA 814-C/J-STD-42-C-2018)
Interest Categories: CTA and the R4 Video Systems Intelligent Mobility Committee are particularly interested in adding new members (called "users" who acquire video products from those who create them) as well as those with a general interest.

ECIA (Electronic Components Industry Association)

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

BSR/EIA 364-35C-202x, Insert Retention Test Procedure for Electrical Connectors (revision of ANSI/EIA 364-35C -2012 (R2017))

ECIA (Electronic Components Industry Association)

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

BSR/EIA 364-09D-2018 (R202x), Durability Test Procedure for Electrical Connectors and Contacts (reaffirmation of ANSI/EIA 364-09D-2018)

ECIA (Electronic Components Industry Association)

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

BSR/EIA 364-57A-2017 (R202x), Coupling Pin Strength Test Procedure for Circular Bayonet Electrical Connectors (reaffirmation of ANSI/EIA 364-57A-2017)

ECIA (Electronic Components Industry Association)

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

BSR/EIA 364-78C-2018 (R202x), Cavity Leakage Bonding Integrity Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-78C-2018)

ECIA (Electronic Components Industry Association)

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

BSR/EIA 364-83A-2017 (R202x), Shell-to-Shell and Shell-to-Bulkhead Resistance Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-83A-2017)

ECIA (Electronic Components Industry Association)

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

BSR/EIA 364-117-2017 (R202x), Dielectric Breakdown Voltage Test Procedure for Electrical Connectors, Sockets and Coaxial Contacts (reaffirmation of ANSI/EIA 364-117-2017)

ESTA (Entertainment Services and Technology Association)

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

BSR/ES1.2-202x, Event Safety - Planning and Major Incident Management (new standard)
Interest Categories: The Event Safety Working Group seeks new members in the Equipment Provider, Insurance, and Performing Artist interest categories. Interested parties may contact standards@esta.org to request an application.

ESTA (Entertainment Services and Technology Association)

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

BSR ES1.17-202x, Event Safety - Electrical Safety and Lighting (new standard)

NISO (National Information Standards Organization)

3600 Clipper Mill Road, Suite 302, Baltimore, MD 21211 | kbailey@niso.org, www.niso.org

BSR/NISO Z39.106-202x, Peer Review Terminology (new standard)

NSF (NSF International)

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

BSR/NSF 4-202x (i35r1), Commercial Cooking, Rethermalization, and Powered Hot Food Holding and Transportation Equipment (revision of ANSI/NSF 4-2020)

NSF (NSF International)

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

BSR/NSF 6-202x (i22r1), Dispensing Freezers (revision of ANSI/NSF 6-2021)

NSF (NSF International)

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

BSR/NSF 7-202x (i27r1), Commercial Refrigerators and Freezers (revision of ANSI/NSF 7-2021)

NSF (NSF International)

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

BSR/NSF 8-202x (i21r1), Commercial Powered Food Preparation Equipment (revision of ANSI/NSF 8-2021)

NSF (NSF International)

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

BSR/NSF 12-202x (i16r1), Automatic Ice Making Equipment (revision of ANSI/NSF 12-2018)

NSF (NSF International)

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

BSR/NSF 18-202x (i22r1), Manual Food and Beverage Dispensing Equipment (revision of ANSI/NSF 18-2022)

NSF (NSF International)

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

BSR/NSF 20-202x (i10r1), Commercial Bulk Milk Dispensing Equipment (revision of ANSI/NSF 20-2022)

NSF (NSF International)

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

BSR/NSF 25-202x (i23r1), Vending Machines for Food and Beverages (revision of ANSI/NSF 25-2022)

NSF (NSF International)

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

BSR/NSF 49-202x (i175r1), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2022)

NSF (NSF International)

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

BSR/NSF 61-202x (i164r1), Drinking Water System Components - Health Effects (revision of ANSI/NSF/CAN 61 -2022)

NSF (NSF International)

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

BSR/NSF 61-202x (i165r1), Drinking Water System Components - Health Effects (revision of ANSI/NSF/CAN 61 -2022)

NSF (NSF International)

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

BSR/NSF 61-202x (i166r1), Drinking Water System Components - Health Effects (revision of ANSI/NSF/CAN 61 -2022)

NSF (NSF International)

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

BSR/NSF 169-202x (i12r1), Special Purpose Food Equipment and Devices (revision of ANSI/NSF 169-2020)

TIA (Telecommunications Industry Association)

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

BSR/TIA 569-F-202x, Telecommunications Pathways and Spaces (revision and redesignation of ANSI/TIA 569-E -2019)

TIA (Telecommunications Industry Association)

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

BSR/TIA 607-E-202x, Generic Telecommunications Bonding and Grounding (Earthing) for Customer Premises (revision and redesignation of ANSI/TIA 607-D-2019)

TIA (Telecommunications Industry Association)

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

BSR/TIA 4920000-C-202x, Generic Specification for Optical Fibers (national adoption with modifications of IEC 60793-2:2019)

VITA (VMEbus International Trade Association (VITA))

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

BSR/VITA 67.3-202x, Coaxial Interconnect on VPX - Spring-Loaded Contact on Backplane (revision of ANSI/VITA 67.3-2022)

American National Standards (ANS) Announcements

Call for Comment Public Review Period

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

Public Review Period Start changed to: February 17, 2023

At the request of the ANSI-Accredited Standards Developer, the public review period has been delayed by one week and will start **February 17, 2023** for these three ASHRAE (addenda to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2020) Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings.
Guidance for reviewing and commenting on the proposed drafts can be found in this week's call for comment sections with the following revised comment deadlines:
Comment Deadline: March 19, 2023
BSR/ASHRAE/ICC/IES/USGBC Addendum ac to BSR/ASHRAE/ICC/IES/USGBC Standard 189.1-202x
BSR/ASHRAE/ICC/IES/USGBC Addendum z to BSR/ASHRAE/ICC/IES/USGBC Standard 189.1-202x
Comment Deadline: April 3, 2023
BSR/ASHRAE/ICC/IES/USGBC Addendum ao to BSR/ASHRAE/ICC/IES/USGBC Standard 189.1-202x

Discontinuance of a standards project

AAMI - Association for the Advancement of Medical Instrumentation

BSR/AAMI EQ89-2015 (R202x) Public Review 12/30/2022

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 project has been withdrawn accordingly:
The second BSR8 was inadvertently announced for Public Review 12/30/2022 for:
BSR/AAMI EQ89-2015 (R202x), Guidance for the use of medical equipment maintenance strategies and procedures, (reaffirmation of ANSI/AAMI EQ89-2015)
The first Public Review period of: 9/24/2021 End: 11/8/2021 is still in progress.
Inquiries may be directed to: Chenai Maguwah <cmaguwah@aami.org>

American National Standards (ANS) Process

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

Where to find Procedures, Guidance, Interpretations and More…

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

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

www.ansi.org/essentialrequirements

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

www.ansi.org/standardsaction

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

www.ansi.org/sdoaccreditation

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

www.ansi.org/asd

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

www.ansi.org/asd

• American National Standards Key Steps:

www.ansi.org/anskeysteps

• American National Standards Value:

www.ansi.org/ansvalue

• ANS Web Forms for ANSI-Accredited Standards Developers:

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

• Information about standards Incorporated by Reference (IBR):

https://ibr.ansi.org/

• ANSI - Education and Training:

www.standardslearn.org

Meeting Notices (Standards Developers)

ANSI Accredited Standards Developer

CSA - CSA America Standards Inc.

Meeting Time: March 22, 2023 at 1 PM - 5 PM ET by WebEx

The **CSA Group** will hold a joint meeting of the **Z21/83 Technical Committee for Gas Fueled Products and Related Accessories** and the **CSA Technical Committee for Gas Fueled Products and Related Accessories** on **March 22, 2023 at 1 PM – 5 PM ET by WebEx**. Votes will take place. Send any inquires to (Jennifer.hess@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
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Colorado Springs, CO 80904
www.aafs.org

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AAMI
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Arlington, VA 22203
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ADA (Organization)
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Chicago, IL 60611
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AMCA
Air Movement and Control Association
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Arlington Heights, IL 60004
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ANS
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La Grange Park, IL 60526
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APTech (ASC CGATS)
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ASC X9
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ASPE
American Society of Plumbing Engineers
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AWWA
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BHMA
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www.buildershardware.com

Karen Bishop
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www.csagroup.org

Peter Glowacki
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CTA
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ECIA
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HL7
Health Level Seven
3300 Washtenaw Avenue, Suite 227
Ann Arbor, MI 48104
www.hl7.org

Karen Van Hentenryck
Karenvan@HL7.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

NAPSA
North American Power Sweeping Association
P.O. Box 1166
Lebanon, OH 45036
www.PowerSweeping.org

Nancy Terry
info@powersweeping.org

NEMA (ASC C82)
National Electrical Manufacturers Association
1300 N 17th St
Rosslyn, VA 22209
www.nema.org

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NFPA
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Dawn Michele Bellis
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NISO
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PHTA
Pool and Hot Tub Alliance
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Alexandria, VA 22314
www.PHTA.org

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SAIA (ASC A92)
Scaffold & Access Industry Association
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Kansas City, MO 64106
www.saiaonline.org

DeAnna Martin
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TIA
Telecommunications Industry Association
1320 North Courthouse Road, Suite 200
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ULSE
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(VITA)
929 W. Portobello Avenue
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www.vita.com

Jing Kwok
jing.kwok@vita.com

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

Additive manufacturing (TC 261)

ISO/ASTM DIS 52933, Additive manufacturing - Environment, health and safety - Test method for the hazardous substances emitted from material extrusion type 3D printers in the non-industrial places - 4/6/2023, $88.00

Agricultural food products (TC 34)

ISO/DIS 30024, Animal feeding stuffs - Determination of phytase activity - 3/26/2023, $82.00

ISO/DIS 5354-1, Molecular biomarkers - Detection of DNA in textiles derived from cotton - Part 1: Extraction of DNA from cotton and cotton-derived textile materials - 4/27/2023, $77.00

Air quality (TC 146)

ISO/DIS 16000-11, Indoor air - Part 11: Determination of the emission of volatile organic compounds from building products and furnishing - Sampling, storage of samples and preparation of test specimens - 4/15/2023, $67.00

Aircraft and space vehicles (TC 20)

ISO/DIS 8575, Aerospace series - Fluid systems - Hydraulic system tubing - 4/1/2023, $53.00

ISO/DIS 17520, Space environment (natural and artificial) - Cosmic ray and solar energetic particle penetration inward the magnetosphere - Method of determination of the effective vertical cut-off rigidity - 4/2/2023, $67.00

ISO/DIS 8267-2, Aircraft - Tow bar attachment fittings interface requirements - Part 2: Regional aircraft - 4/6/2023, $40.00

ISO/DIS 32312-11, Aircraft ground support equipment - Specific requirements - Part 11: Container/Pallet dollies and loose load trailers - 4/24/2023, $82.00

Anaesthetic and respiratory equipment (TC 121)

ISO 10524-1:2018/DAmd 1, - Amendment 1: Pressure regulators for use with medical gases - Part 1: Pressure regulators and pressure regulators with flow-metering devices - Amendment 1 - 3/18/2023, $40.00

ISO 81060-2:2018/DAmd 2, - Amendment 2: Non-invasive sphygmomanometers - Part 2: Clinical investigation of intermittent automated measurement type - Amendment 2 - 5/4/2023, $33.00

ISO/DIS 17256, Anaesthetic and respiratory equipment - Respiratory therapy tubing and connectors - 3/27/2023, $58.00

ISO/DIS 19211, Anaesthetic and respiratory equipment - Fire-activated oxygen shut-off devices for use during oxygen therapy - 3/27/2023, $62.00

Bamboo and rattan (TC 296)

ISO/DIS 5942, Bamboo-wood composite for container flooring - 5/1/2023, $67.00

Building environment design (TC 205)

ISO 11855-6:2018/DAmd 1, - Amendment 1: Building environment design - Design, dimensioning, installation and control of embedded radiant heating and cooling systems - Part 6: Control - Amendment 1 - 3/18/2023, $33.00

ISO/DIS 22185-2, Diagnosing moisture damage in buildings and implementing countermeasures - Part 2: Condition assessment - 4/3/2023, $67.00

Concrete, reinforced concrete and pre-stressed concrete (TC 71)

ISO/DIS 16311-2, Maintenance and repair of concrete structures - Part 2: Assessment of existing concrete structures - 4/6/2023, $112.00

ISO/DIS 16311-3, Maintenance and repair of concrete structures - Part 3: Design of repairs - 3/31/2023, $88.00

ISO/DIS 16311-4, Maintenance and repair of concrete structures - Part 4: Execution of repairs - 4/15/2023, $119.00

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

ISO/DIS 23551-1, Safety and control devices for gas burners and gas-burning appliances - Particular requirements - Part 1: Automatic and semi-automatic shut-off valves - 4/30/2023, $112.00

ISO/DIS 23551-11, Safety and control devices for gas burners and gas-burning appliances - Particular requirements - Part 11: Automatic and semi-automatic shut-off valves for operating pressure of above 500 kPa up to and including 6 300 kPa - 4/28/2023, $112.00

Corrosion of metals and alloys (TC 156)

ISO/DIS 9813, Corrosion of metals and alloys - Performance test method for corrosion inhibitors used in chemical cleaning of industry equipment - 5/1/2023, $53.00

Dentistry (TC 106)

ISO/DIS 23402-3, Dentistry - Portable dental equipment for use in non-permanent healthcare environment - Part 3: Portable suction equipment - 4/6/2023, $58.00

Elevating Work Platforms (TC 214)

ISO/DIS 16368, Mobile elevating work platforms - Design, calculations, safety requirements and test methods - 4/27/2023, $165.00

ISO/DIS 18893, Mobile elevating work platforms - Safety principles, inspection, maintenance and operation - 4/21/2023, $98.00

Equipment for fire protection and fire fighting (TC 21)

ISO/DIS 7240-29, Fire detection and alarm systems - Part 29: Video fire detectors - 5/4/2023, $155.00

Ergonomics (TC 159)

ISO/DIS 7730, Ergonomics of the thermal environment - Analytical determination and interpretation of thermal comfort using calculation of the PMV and PPD indices and local thermal comfort criteria - 4/15/2023, $102.00

ISO/DIS 9241-5, Ergonomics of human-system interaction - Part 5: Workstation layout and postural requirements - 4/15/2023, $93.00

ISO/DIS 9241-115, Ergonomics of human-system interaction - Part 115: Guidance on conceptual design, user-system interaction design, user interface design, and navigation design - 4/15/2023, $88.00

ISO/DIS 9241-920, Ergonomics of human-system interaction - Part 920: Tactile and haptic interactions - 3/26/2023, $88.00

Fasteners (TC 2)

ISO/DIS 4766, Fasteners - Slotted set screws with flat point - 4/1/2023, $40.00

ISO/DIS 7434, Fasteners - Slotted set screws with cone point - 4/1/2023, $40.00

ISO/DIS 7435, Fasteners - Slotted set screws with long dog point - 4/1/2023, $40.00

ISO/DIS 7436, Fasteners - Slotted set screws with cup point - 4/1/2023, $40.00

ISO/DIS 3506-7, Fasteners - Mechanical properties of corrosion-resistant stainless-steel fasteners - Part 7: Flat washers with specified grades and property classes - 3/19/2023, $62.00

Fine Bubble Technology (TC 281)

ISO/DIS 7383, Fine bubble technology - Evaluation method for determining oxygen content in fine bubble dispersions in water - 3/30/2023, $58.00

ISO/DIS 7392, Fine bubble technology - Evaluation method for determining surface tension of ultrafine bubble dispersions - 3/25/2023, $77.00

ISO/DIS 7428-1, Fine bubble technology - Domestic applications - Part 1: Assessment of showerhead devices by evaluating size and concentration indices of generated fine bubbles - 5/4/2023, $62.00

ISO/DIS 7429-1, Fine bubble technology - Industrial and consumer device applications - Part 1: Assessment of water pressure driven nozzles by evaluating size and concentration indices of generated fine bubbles - 4/27/2023, $77.00

Fine ceramics (TC 206)

ISO/DIS 5618-1, Fine ceramics (advanced ceramics, advanced technical ceramics) -Test method for GaN crystal surface defects - Part 1: Part 1: Classification of defects - 4/28/2023, $46.00

Fluid power systems (TC 131)

ISO/DIS 11619, Pneumatic fluid power - Polyurethane and polyamide tubings for use primarily in pneumatic installations - Dimensions and specification - 3/18/2023, $62.00

ISO/DIS 12829, Hydraulic spin-on filters with finite lives - Method for verifying the rated fatigue life and the rated static burst pressure of the pressure-containing envelope - 4/28/2023, $53.00

Gas cylinders (TC 58)

ISO/DIS 10297, Gas cylinders - Cylinder valves - Specification and type testing - 3/24/2023, $125.00

ISO/DIS 22435, Gas cylinders - Cylinder valves with integrated pressure regulators - Specification and type testing - 3/20/2023, $98.00

Gears (TC 60)

ISO/DIS 21771-1, Gears - Cylindrical involute gears and gear pairs - Part 1: Concepts and geometry - 3/30/2023, $175.00

Geographic information/Geomatics (TC 211)

ISO 19111:2019/DAmd 2, - Amendment 2: Geographic information - Referencing by coordinates - Amendment 2 - 3/12/2023, $58.00

ISO 19162:2019/DAmd 1, - Amendment 1: Geographic information - Well-known text representation of coordinate reference systems - Amendment 1: Geographic information - Well-known text representation of coordinate reference systems - 3/10/2023, $62.00

Geotechnics (TC 182)

ISO/DIS 22476-16, Geotechnical investigation and testing - Field testing - Part 16: Borehole shear test - 4/13/2023, $112.00

Implants for surgery (TC 150)

ISO/DIS 5832-1, Implants for surgery - Metallic materials - Part 1: Wrought stainless steel - 3/23/2023, $40.00

ISO/DIS 5832-4, Implants for surgery - Metallic materials - Part 4: Cobalt-chromium-molybdenum casting alloy - 3/16/2023, $33.00

ISO/DIS 5832-7, Implants for surgery - Metallic materials - Part 7: Forgeable and cold-formed cobalt-chromium-nickel-molybdenum-iron alloy - 3/17/2023, $33.00

ISO/DIS 5832-11, Implants for surgery - Metallic materials - Part 11: Wrought titanium 6-aluminium 7-niobium alloy - 3/17/2023, $33.00

Industrial automation systems and integration (TC 184)

ISO/DIS 10303-1, Industrial automation systems and integration - Product data representation and exchange - Part 1: Overview and fundamental principles - 4/15/2023, $82.00

Industrial trucks (TC 110)

ISO/DIS 22915-1, Industrial trucks - Verification of stability - Part 1: General - 4/3/2023, $53.00

Information and documentation (TC 46)

ISO 9:1995/DAmd 1, - Amendment 1: Information and documentation - Transliteration of Cyrillic characters into Latin characters - Slavic and non-Slavic languages - Amendment 1 - 4/13/2023, $29.00

Innovation management (TC 279)

ISO/DIS 56008, Innovation management - Tools and methods for innovation operation measurements - Guidance - 3/10/2023, $125.00

Jewellery (TC 174)

ISO/DIS 11427, Jewellery and precious metals - Determination of silver in silver alloys - Potentiometry using potassium bromide - 4/7/2023, $40.00

ISO/DIS 13756, Jewellery and precious metals - Determination of silver in silver alloys - Potentiometry using sodium chloride or potassium chloride - 4/7/2023, $40.00

Measurement of fluid flow in closed conduits (TC 30)

ISO/DIS 24062, Measurement of fluid flow in closed conduits - Clamp-on ultrasonic transit-time meters for liquids and gases - 4/22/2023, $107.00

Nuclear energy (TC 85)

ISO/DIS 16795, Nuclear Energy - Determination of Gd2O3 content in pellets containing uranium oxide by X-ray fluorescence spectrometry - 4/15/2023, $46.00

ISO/DIS 4917-1, Design of Nuclear Power Plants against Seismic Events - Part 1: Principles - 3/24/2023, $71.00

ISO/DIS 4917-3, Design of Nuclear Power Plants against Seismic Events - Part 3: Civil Structures - 3/24/2023, $82.00

ISO/DIS 4917-4, Design of Nuclear Power Plants against Seismic Events - Part 4: Components - 3/24/2023, $107.00

ISO/DIS 4917-6, Design of Nuclear Power Plants against Seismic Events - Part 6: Post-Seismic Measures - 3/24/2023, $62.00

Other

ISO/CIE DIS 28077, Photocarcinogenesis action spectrum (non-melanoma skin cancers) - 4/28/2023, $46.00

ISO/CIE DIS 11664-5, Colorimetry - Part 5: CIE 1976 L*u*v* colour space and u, v uniform chromaticity scale diagram - 4/28/2023, $46.00

Paints and varnishes (TC 35)

ISO/DIS 2811-3, Paints and varnishes - Determination of density - Part 3: Oscillation method - 4/2/2023, $46.00

ISO/DIS 4628-6, Paints and varnishes - Evaluation of quantity and size of defects, and of intensity of uniform changes in appearance - Part 6: Assessment of degree of chalking by tape method - 4/15/2023, $40.00

Paper, board and pulps (TC 6)

ISO/DIS 15360-3, Recycled pulps - Estimation of stickies and plastics - Part 3: Determination by applying near-infrared measurement - 4/17/2023, $58.00

Petroleum products and lubricants (TC 28)

ISO/DIS 6919, Measurement of refrigerated hydrocarbon and non-petroleum based liquefied gaseous fuels - Dynamic measurement of liquefied natural gas (LNG) as marine fuel - Truck-to-ship (TTS) bunkering - 3/10/2023, $98.00

Pigments, dyestuffs and extenders (TC 256)

ISO/DIS 3262-10, Extenders - Specifications and methods of test - Part 10: Natural talc/chlorite in lamellar form - 4/2/2023, $33.00

ISO/DIS 3262-11, Extenders - Specifications and methods of test - Part 11: Natural talc, in lamellar form, containing carbonates - 4/2/2023, $33.00

ISO/DIS 3262-17, Extenders - Specifications and methods of test - Part 17: Precipitated calcium silicate - 4/2/2023, $58.00

Plastics (TC 61)

ISO/DIS 6775, Plastics - Plastics identification using Raman spectrometric methods - 4/28/2023, $71.00

ISO/DIS 8057, Determination of galvanic corrosion rate for assembled forms of carbon fibre reinforced plastics (CFRPs) and protection-coated metal - Electrochemical tests in neutral sodium chloride solution - 5/4/2023, $67.00

ISO/DIS 8065, Composites and reinforcements fibres - Mechanoluminescent visualization method of crack propagation for joint evaluation - 5/4/2023, $82.00

ISO/DIS 14127, Carbon-fibre-reinforced composites - Determination of the resin, fibre and void contents - 4/9/2023, $67.00

ISO/DIS 3451-4, Plastics - Determination of ash - Part 4: Polyamides - 4/15/2023, $40.00

ISO/DIS 22007-1, Plastics - Determination of thermal conductivity and thermal diffusivity - Part 1: General principles - 4/24/2023, $71.00

ISO/DIS 22007-4, Plastics - Determination of thermal conductivity and thermal diffusivity - Part 4: Light flash method - 3/12/2023, $67.00

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

ISO/DIS 16486-6, Plastics piping systems for the supply of gaseous fuels - Unplasticized polyamide (PA-U) piping systems with fusion jointing and mechanical jointing - Part 6: Code of practice for design, handling and installation - 3/27/2023, $107.00

Project, programme and portfolio management (TC 258)

ISO/DIS 21512, Project, programme and portfolio management - Earned value management implementation guidance - 4/27/2023, $175.00

Prosthetics and orthotics (TC 168)

ISO/DIS 8548-3, Prosthetics and orthotics - Limb deficiencies - Part 3: Method of describing upper limb amputation stumps - 4/16/2023, $71.00

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

ISO/DIS 80369-20, Small-bore connectors for liquids and gases in healthcare applications - Part 20: Common test methods - 4/7/2023, $98.00

Railway applications (TC 269)

ISO/DIS 24491, Railway applications - Passenger seats for heavy rail rolling stock - 3/26/2023, $98.00

Rare earth (TC 298)

ISO/DIS 22928-1, Rare earth - Analysis by wavelength dispersive x-ray fluorescence spectrometry (WD-XRFS) - Part 1: Determination of composition of rare earth magnet scraps using standardless XRF commercial packages - 4/9/2023, $53.00

Refrigeration (TC 86)

ISO 21922:2021/DAmd 1, - Amendment 1: Refrigerating systems and heat pumps - Valves - Requirements, testing and marking - Amendment 1 - 3/16/2023, $46.00

ISO 16494-1:2022/DAmd 1, - Amendment 1: Heat recovery ventilators and energy recovery ventilators - Method of test for performance - Part 1: Development of metrics for evaluation of energy related performance - Amendment 1 - 3/18/2023, $53.00

ISO/DIS 19967-2, Air to water Heat pumps - Testing and rating for performance - Part 2: Space heating and/or space cooling - 4/21/2023, $98.00

Road vehicles (TC 22)

ISO/DIS 9815, Road vehicles - Passenger-car and trailer combinations - Lateral stability test - 4/10/2023, $71.00

ISO/DIS 23373, Heavy commercial vehicles and buses - Vehicle dynamics simulation and validation - Tyre model for lateral estimation of heavy vehicle combinations operated at dry paved road surface - 4/15/2023, $40.00

ISO/DIS 11451-1, Road vehicles - Vehicle test methods for electrical disturbances from narrowband radiated electromagnetic energy - Part 1: General principles and terminology - 3/20/2023, $107.00

ISO/DIS 11452-1, Road vehicles - Component test methods for electrical disturbances from narrowband radiated electromagnetic energy - Part 1: General principles and terminology - 3/27/2023, $112.00

ISO/DIS 13674-1, Road vehicles - Test method for the quantification of on-centre handling - Part 1: Weave test - 4/1/2023, $53.00

ISO/DIS 16750-1.2, Road vehicles - Environmental conditions and testing for electrical and electronic equipment - Part 1: General - 6/30/2022, $82.00

ISO/DIS 16750-2.2, Road vehicles - Environmental conditions and testing for electrical and electronic equipment - Part 2: Electrical loads - 5/29/2022, $107.00

ISO/DIS 16750-3.2, Road vehicles - Environmental conditions and testing for electrical and electronic equipment - Part 3: Mechanical loads - 7/1/2022, $165.00

ISO/DIS 16750-4.2, Road vehicles - Environmental conditions and testing for electrical and electronic equipment - Part 4: Climatic loads - 6/30/2022, $125.00

ISO/DIS 16750-5.2, Road vehicles - Environmental conditions and testing for electrical and electronic equipment - Part 5: Chemical loads - 6/30/2022, $40.00

Rolling bearings (TC 4)

ISO/DIS 22872, Rolling bearings - Geometrical product specifications (GPS) - Terms, definitions and symbols associated with GPS - 3/11/2023, $88.00

Rubber and rubber products (TC 45)

ISO/DIS 21561-2, Styrene-butadiene rubber (SBR) - Determination of the microstructure of solution-polymerized SBR - Part 2: FTIR with ATR method - 5/1/2023, $67.00

Screw threads (TC 1)

ISO/DIS 68-1, ISO general purpose screw threads - Basic and design profiles - Part 1: Metric screw threads - 4/14/2023, $40.00

ISO/DIS 68-2, ISO general purpose screw threads - Basic and design profiles - Part 2: Inch screw threads - 4/14/2023, $53.00

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

ISO/DIS 24511, Activities relating to drinking water and wastewater services - Guidelines for the management of wastewater utilities and for the assessment of wastewater services - 4/21/2023, $125.00

ISO/DIS 24512, Activities relating to drinking water and wastewater services - Guidelines for the management of drinking water utilities and for the assessment of drinking water services - 4/21/2023, $125.00

Ships and marine technology (TC 8)

ISO 25862:2019/DAmd 1, - Amendment 1: Ships and marine technology - Marine magnetic compasses, binnacles and azimuth reading devices - Amendment 1 - 4/28/2023, $40.00

ISO/DIS 4891, Ships and marine technology - Interoperability of smart applications for ships - 4/1/2023, $175.00

ISO/DIS 5489, Ships and marine technology - Embarkation ladders - 4/1/2023, $77.00

Sieves, sieving and other sizing methods (TC 24)

ISO/DIS 13100, Methods for zeta potential determination - Streaming potential and streaming current methods for porous materials - 4/9/2023, $93.00

ISO/DIS 19430, Determination of particle size distribution and number concentration by particle tracking analysis (PTA) - 3/26/2023, $112.00

Small craft (TC 188)

ISO/DIS 6017, Small craft - Automatic watertight ventilation shutdown system - 4/2/2023, $53.00

Small tools (TC 29)

ISO/DIS 5686-1, Tapered polygonal interface with flat contact surface - Part 1: Shanks of type F, H, A - 4/27/2023, $102.00

ISO/DIS 5686-2, Tapered polygonal interface with flat contact surface - Part 2: Receivers of type F, H, A and X for shanks of type F, H and A - 4/27/2023, $98.00

ISO/DIS 5686-3, Tapered polygonal interface with flat contact surface - Part 3: Coupling for driven tool holders with shanks of type F and A - 4/23/2023, $40.00

Solid biofuels (TC 238)

ISO/DIS 18134-2, Solid biofuels - Determination of moisture content - Part 2: Total moisture - Simplified method - 4/17/2023, $40.00

Solid Recovered Fuels (TC 300)

ISO/DIS 4349, Solid recovered fuels - Determination of the Recycling Index for co-processing - 3/23/2023, $62.00

Sterilization of health care products (TC 198)

ISO 11139:2018/DAmd 1, - Amendment 1: Sterilization of health care products - Vocabulary of terms used in sterilization and related equipment and process standards - Amendment 1: Amended and additional terms and definition - 3/31/2023, $58.00

ISO/DIS 11135, Sterilization of health care products - Ethylene oxide - Requirements for the development, validation and routine control of a sterilization process for medical devices - 4/23/2023, $165.00

Surface chemical analysis (TC 201)

ISO/DIS 18118, Surface chemical analysis - Auger electron spectroscopy and X-ray photoelectron spectroscopy - Guide to the use of experimentally determined relative sensitivity factors for the quantitative analysis of homogeneous materials - 4/10/2023, $88.00

Sustainable development in communities (TC 268)

ISO/DIS 37174, Smart community infrastructures - Disaster risk reduction - Guidelines for implementing seismometer systems - 4/20/2023, $71.00

(TC 329)

ISO/DIS 5665, Consumer incident investigation - Requirements and guidance - 3/30/2023, $107.00

(TC 334)

ISO/DIS 33405, Reference materials - Guidance for characterization and assessment of homogeneity and stability - 5/4/2023, $155.00

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

ISO/DIS 6273, Assistive products - Accessibility guidelines in the survey of user needs of persons with impaired sensory functions for assistive products and services - 3/18/2023, $77.00

ISO/DIS 11334-4, Assistive products for walking, manipulated by one arm - Requirements and test methods - Part 4: Walking sticks with three or more legs - 3/30/2023, $82.00

Terminology (principles and coordination) (TC 37)

ISO/DIS 24613-6, Language resource management - Lexical markup framework (LMF) - Part 6: Syntax and semantics - 4/28/2023, $46.00

Textiles (TC 38)

ISO/DIS 5688, Textiles - Synthetic filament yarns - Test method for crimp properties of textured yarns - 4/17/2023, $58.00

ISO/DIS 7249, Textiles - Fibres - Determination of burning behaviour by oxygen index - 4/17/2023, $71.00

ISO/DIS 14184-3, Textiles - Determination of formaldehyde - Part 3: Free and hydrolysed formaldehyde (extraction method) - Determination by high pressure liquid chromatography - 4/23/2023, $62.00

Thermal insulation (TC 163)

ISO/DIS 6334, Thermal insulation products for building equipment and industrial installations - Expanded Perlite products - Specification - 4/27/2023, $67.00

Timber (TC 218)

ISO/DIS 13061-13, Physical and mechanical properties of wood - Test methods for small clear wood specimens - Part 13: Determination of radial and tangential shrinkage - 4/30/2023, $33.00

ISO/DIS 13061-14, Physical and mechanical properties of wood - Test methods for small clear wood specimens - Part 14: Determination of volumetric shrinkage - 4/30/2023, $40.00

Timber structures (TC 165)

ISO/DIS 5257, Bamboo Structures - Engineered bamboo products - Test methods for determination of mechanical properties using small size specimens - 3/23/2023, $67.00

ISO/DIS 24323, Timber structures - Design method for vibrational serviceability of timber floors - 5/4/2023, $62.00

Tobacco and tobacco products (TC 126)

ISO/DIS 6080, Tobacco heating systems - Terms and definitions - 4/17/2023, $33.00

ISO/DIS 5501-1, Tobacco heating systems - Definitions and standard conditions for aerosol generation and collection - Part 1: Electrically Heated Tobacco Products (eHTPs) - 4/15/2023, $53.00

ISO/DIS 5501-2, Tobacco heating systems - Definitions and standard conditions for aerosol generation and collection - Part 2: Aerosol Heated Tobacco Products (aHTPs) - 4/15/2023, $53.00

ISO/DIS 5501-3, Tobacco heating systems - Definitions and standard conditions for aerosol generation and collection - Part 3: Carbon Heated Tobacco Products (cHTPs) - 4/15/2023, $53.00

Tractors and machinery for agriculture and forestry (TC 23)

ISO/DIS 6881, Radio-frequency identification of animals - Code structure ultra high frequency transponders - 4/24/2023, $62.00

ISO/DIS 7448, Machinery for forestry - Machine-fed woody biomass reduction chippers, grinders and shredders - Identification terminology, classification, and component nomenclature - 4/3/2023, $82.00

Traditional Chinese medicine (TC 249)

ISO/DIS 13619, Traditional Chinese medicine - Gardenia jasminoides fruit - 4/14/2023, $62.00

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

ISO/DIS 11040-4, Prefilled syringes - Part 4: Glass barrels for injectables and sterilized subassembled syringes ready for filling - 4/15/2023, $125.00

ISO/DIS 11040-7, Prefilled syringes - Part 7: Packaging systems for sterilized subassembled syringes ready for filling - 4/15/2023, $82.00

Transport information and control systems (TC 204)

ISO 17361:2017/DAmd 1, - Amendment 1: Intelligent transport systems - Lane departure warning systems - Performance requirements and test procedures - Amendment 1 - 4/23/2023, $29.00

Water quality (TC 147)

ISO/DIS 4702, Water quality - Zirconium 93 - Test method using ICP-MS - 4/8/2023, $71.00

ISO/DIS 4717, Water quality - Protactinium-231 - Test method using ICP-MS - 4/13/2023, $71.00

ISO/DIS 24384, Water quality - Determination of chromium(VI) and chromium(III) in water - Method using liquid chromatography with inductively coupled plasma mass spectrometry (LC-ICP-MS) after chelating pretreatment - 4/15/2023, $71.00

ISO/DIS 4722-2, Water quality - Thorium 232 - Part 2: Test method using ICP/MS - 4/13/2023, $71.00

ISO/DIS 13165-3, Water quality - Radium-226 - Part 3: Test method using coprecipitation and gamma-spectrometry - 4/9/2023, $67.00

Welding and allied processes (TC 44)

ISO/DIS 14373, Resistance welding - Procedure for spot welding of uncoated and coated low carbon steels - 4/9/2023, $67.00

ISO/DIS 14732, Welding personnel - Qualification testing of welding operators and weld setters for mechanized and automatic welding of metallic materials - 4/20/2023, $71.00

ISO/DIS 17672, Brazing - Filler metals - 4/7/2023, $82.00

ISO/DIS 15614-13, Specification and qualification of welding procedures for metallic materials - Welding procedure test - Part 13: Upset (resistance butt) and flash welding - 4/7/2023, $62.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 18013-4:2019/DAmd 1, - Amendment 1: Personal identification - ISO-compliant driving licence - Part 4: Test methods - Amendment 1: Test methods for compact encoding - 3/18/2023, $98.00

ISO/IEC DIS 5339, Information technology - Artificial intelligence - Guidance for AI applications - 4/1/2023, $93.00

ISO/IEC DIS 7184, Office equipment - Security requirements for hard copy devices (HCD) - Part 1: Definition of the basic requirements - 4/20/2023, $53.00

ISO/IEC DIS 17823, Information technology - Office equipment - Colour terminology for office colour equipment - 4/9/2023, $82.00

ISO/IEC DIS 18630, Information technology - Digitally recorded media for information interchange and storage - Quality discrimination method of optical disks and operating method of storage systems for long-term data preservation - 4/10/2023, $67.00

ISO/IEC DIS 18974, Information technology - OpenChain security assurance specification - 4/21/2023, $53.00

ISO/IEC DIS 20619, Information technology - C# specification suite - 4/23/2023, $33.00

ISO/IEC DIS 20648, Information technology - TLS specification for storage systems - 4/20/2023, $71.00

ISO/IEC DIS 24741, Information technology - Biometrics - Overview and application - 3/31/2023, $119.00

ISO/IEC DIS 27403, Cybersecurity - IoT security and privacy - Guidelines for IoT-domotics - 4/27/2023, $107.00

ISO/IEC DIS 27554, Application of ISO 31000 for assessment of identity-related risk - 4/28/2023, $77.00

ISO/IEC DIS 5153-1, Information Technology - City service platform for public health emergencies - Part 1: Overview and general requirements - 4/28/2023, $67.00

ISO/IEC DIS 20243-1, Information technology - Open Trusted Technology ProviderTM Standard (O-TTPS) - Mitigating maliciously tainted and counterfeit products - Part 1: Requirements and recommendations - 4/24/2023, $93.00

ISO/IEC DIS 20243-2, Information technology - Open Trusted Technology ProviderTM Standard (O-TTPS) - Mitigating maliciously tainted and counterfeit products - Part 2: Assessment procedures for the O-TTPS - 4/24/2023, $112.00

ISO/IEC DIS 27006-1.2, Information technology, cybersecurity and privacy protection - Requirements for bodies providing audit and certification of information security management systems - Part 1: General - 2/19/2023, $134.00

ISO/IEC DIS 30107-4, Information technology - Biometric presentation attack detection - Part 4: Profile for testing of mobile devices - 4/15/2023, $67.00

ISO/IEC DIS 15944-17, Information technology - Business operational view - Part 17: Fundamental principles and rules governing Privacy-by-Design (PbD) requirements in an EDI and collaboration space context - 3/12/2023, $155.00

ISO/IEC DIS 23090-21, Information technology - Coded representation of immersive media - Part 21: Reference Software for G-PCC - 4/14/2023, $33.00

ISO/IEC DIS 23090-22, Information technology - Coded representation of immersive media - Part 22: Conformance for G-PCC - 4/8/2023, $112.00

ISO/IEC/IEEE DIS 24748-2, Systems and software engineering - Life cycle management - Part 2: Guidelines for the application of ISO/IEC/IEEE 15288 (System life cycle processes) - 4/2/2023, $134.00

ISO/IEC/IEEE DIS 24748-1, Systems and software engineering - Life cycle management - Part 1: Guidelines for life cycle management - 3/30/2023, $146.00

IEC Standards

All-or-nothing electrical relays (TC 94)

94/811/CD, IEC 61810-7-18 ED1: Electrical relays - Tests and Measurements - Part 7-18: Thermal resistance of the coil, 04/07/2023

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

46A/1618/CDV, IEC 61196-8 ED2: Coaxial communication cables - Part 8: Sectional specification for semi-flexible cables with fluoropolymer dielectric, 05/05/2023

46A/1619/CDV, IEC 61196-8-1 ED2: Coaxial communication cables - Part 8-1: Blank detail specification for semi-flexible cables with fluoropolymer dielectric, 05/05/2023

46A/1620/CDV, IEC 61196-9 ED2: Coaxial communication cables - Part 9: Sectional specification for RF flexible cables, 05/05/2023

46A/1621/CDV, IEC 61196-9-1 ED2: Coaxial communication cables - Part 9-1: Flexible RF coaxial cables - Blank detail specification, 05/05/2023

Documentation and graphical symbols (TC 3)

3/1608/NP, PNW 3-1608 ED1: Industrial systems, installations and equipment and industrial products -- Structuring principles and reference designation - Part 50: Processes, 05/05/2023

Electric cables (TC 20)

20/2093/CDV, IEC 60811-508/AMD2 ED1: Amendment 2 - Electric and optical fibre cables - Test methods for non-metallic materials - Part 508: Mechanical tests - Pressure test at high temperature for insulation and sheaths, 05/05/2023

Electrical equipment in medical practice (TC 62)

62D/2023/CDV, ISO 80601-2-55/AMD1 ED2: Amendment 1 - Medical electrical equipment - Part 2-55: Particular requirements for the basic safety and essential performance of respiratory gas monitors, 05/05/2023

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

18/1815/CD, IEC 60092-504 ED5: Electrical installations in ships - Part 504: Automation, control and instrumentation, 05/05/2023

Electromagnetic compatibility (TC 77)

77A/1164/CD, IEC 61000-2-4/FRAG1 ED3: Fragment 1: Electromagnetic compatibility (EMC) - Part 2-4: Environment - Compatibility levels in power distribution systems in industrial locations for low-frequency conducted disturbances, 05/05/2023

Environmental standardization for electrical and electronic products and systems (TC 111)

111/695/FDIS, IEC 62321-3-4 ED1: Determination of certain substances in electrotechnical products - Part 3-4: Screening - Phthalates in polymers of electrotechnical products by high performance liquid chromatography with ultraviolet detector (HPLC-UV), thin layer chromatography (TLC) and thermal desorption mass spectrometry (TD-MS), 03/24/2023

Fibre optics (TC 86)

86A/2303/CD, IEC 60793-1-46 ED2: Optical fibres - Part 1-46: Measurement methods and test procedures - Monitoring of changes in optical attenuation, 05/05/2023

86A/2306/CD, IEC 60794-1-101 ED1: Optical fibre cables - Part 1-101: Generic specification - Basic optical cable test procedures - Mechanical tests methods - Tensile, method E1, 04/07/2023

86A/2298/FDIS, IEC 60794-1-301 ED1: Optical fibre cables - Part 1-301: Generic specification - Basic optical cable test procedures - Cable elements test methods - Bend test, method G1, 03/24/2023

86A/2299/FDIS, IEC 60794-1-303 ED1: Optical fibre cables - Part 1-303: Generic specification - Basic optical cable test procedures - Ribbon dimensions - Aperture gauge, method G3, 03/24/2023

Fluids for electrotechnical applications (TC 10)

10/1192/CDV, IEC 60567 ED5: Oil-filled electrical equipment - Sampling of free gases and analysis of free and dissolved gases - Guidance, 05/05/2023

Hydraulic turbines (TC 4)

4/457/FDIS, IEC 63132-6 ED1: Guidance for installation procedures and tolerances of hydroelectric machines - Part 6: Vertical Pelton turbines, 03/24/2023

Lamps and related equipment (TC 34)

34/1009(F)/FDIS, IEC 62386-150 ED1: Digital addressable lighting interface - Part 150: Particular requirements - Auxiliary power supply, 02/24/2023

34/1018/FDIS, IEC 62386-250 ED1: Digital addressable lighting interface - Part 250: Particular requirements - Integrated power supply (device type 49), 03/24/2023

34/1019/FDIS, IEC 62386-251 ED1: Digital addressable lighting interface - Part 251: Particular requirements - Memory bank 1 extension (device type 50), 03/24/2023

34/1020/FDIS, IEC 62386-252 ED1: Digital addressable lighting interface - Part 252: Particular requirements - Energy reporting (device type 51), 03/24/2023

34/1021/FDIS, IEC 62386-253 ED1: Digital addressable lighting interface - Part 253: Particular requirements - Diagnostics and maintenance (device type 52), 03/24/2023

Lightning protection (TC 81)

81/721(F)/FDIS, IEC 62561-1 ED3: Lightning protection system components (LPSC) - Part 1: Requirements for connection components, 02/24/2023

Magnetic alloys and steels (TC 68)

68/738/CD, IEC 60404-1-1/AMD1 ED1: Amendment 1 - Magnetic materials - Part 1-1: Classification - Surface insulations of electrical steel sheet, strip and laminations, 05/05/2023

Magnetic components and ferrite materials (TC 51)

51/1432/NP, PNW 51-1432 ED1: Magnetic powder cores - Guidelines on dimensions and the limits of surface irregularities - Part 6: EQ - cores, 05/05/2023

51/1433/NP, PNW 51-1433 ED1: Magnetic powder cores - Guidelines on dimensions and the limits of surface irregularities - Part 7: EER - cores, 05/05/2023

51/1434/NP, PNW 51-1434 ED1: Magnetic powder cores - Guidelines on dimensions and the limits of surface irregularities - Part 8: U-cores, 05/05/2023

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

106/601/CD, IEC/IEEE 62209-3 ED2: Measurement procedure for the assessment of specific absorption rate of human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices - Part 3: Vector measurement-based systems (Frequency range of 300 MHz to 6 GHz), 04/07/2023

Nuclear instrumentation (TC 45)

45A/1470/CD, IEC 60911 ED2: Nuclear Power Plants - Instrumentation systems - Measurements for monitoring adequate cooling within the core of pressurized light water reactors, 05/05/2023

45A/1471/CD, IEC TR 63486 ED1: Nuclear Facilities - Instrumentation, control and electrical power systems - Risk management approaches, 05/05/2023

Power electronics (TC 22)

22H/307A/CD, IEC 62040-1 ED3: Uninterruptible power systems (UPS) - Part 1: Safety requirements, 03/31/2023

Primary cells and batteries (TC 35)

35/1516/CD, IEC 60086-4 ED6: Primary batteries - Part 4: Safety of lithium batteries, 05/05/2023

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

116/652/NP, PNW 116-652 ED1: Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 4-10: Particular requirements for chain saws for pole-mounted pruners, 04/07/2023

Standard voltages, current ratings and frequencies (TC 8)

8B/159/CD, IEC TS 62898-3-1/AMD1 ED2: Microgrids - Part 3-1: Technical requirements - Protection and dynamic control, 04/07/2023

Surface mounting technology (TC 91)

91/1832/CDV, IEC 61189-2-720 ED1: Test methods for electrical materials, printed board and other interconnection structures and assemblies - Part 2-720: Detection of defects in interconnection structures by measurement of capacitance, 05/05/2023

91/1833/CDV, IEC 61189-2-808 ED1: Test methods for electrical materials, printed board and other interconnection structures and assemblies - Part 2-808: Thermal resistance of an assembly by thermal transient method, 05/05/2023

91/1842/NP, PNW 91-1842 ED1: Future 61249-2-XXX: Materials for printed boards and other interconnecting structures - Part 2-X: Reinforced base materials clad and unclad - PTFE unfilled laminate sheets of defined flammability (vertical burning test), copper-clad, 05/05/2023

91/1843/NP, PNW 91-1843 ED1: Future 61249-2-XXX: Materials for printed boards and other interconnecting structures - Part 2-X: Unreinforced base materials clad and unclad - PTFE filled laminate sheets of defined flammability (vertical burning test), copper-clad, 05/05/2023

Switchgear and controlgear (TC 17)

17A/1368(F)/FDIS, IEC 62271-110 ED5: High-voltage switchgear and controlgear - Part 110: Inductive load switching, 03/03/2023

Transmitting equipment for radio communication (TC 103)

103/253/FDIS, IEC 63098-4 ED1: Transmitting and receiving equipment for radiocommunication - Radio-over-fibre technologies and their performance standard - Part 4: Radio-over-fibre-based indoor distributed antenna system (DAS) for 5G, 03/24/2023

Wearable electronic devices and technologies (TC 124)

124/212/CDV, IEC 63203-301-1 ED1: Wearable electronic devices and technologies - Part 301-1: Test method of electrochromic films for wearable equipments, 05/05/2023

Wind turbine generator systems (TC 88)

88/933(F)/FDIS, IEC 61400-21-2 ED1: Wind energy generation systems - Part 21-2: Measurement and assessment of electrical characteristics - Wind power plants, 02/24/2023

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

Air quality (TC 146)

ISO 20181:2023, Stationary source emissions - Quality assurance of automated measuring systems, $225.00

Anaesthetic and respiratory equipment (TC 121)

IEC 80601-2-59:2017/Amd 1:2023, $26.00

Corrosion of metals and alloys (TC 156)

ISO 4212:2023, Corrosion of metals and alloys - Method of oxalic acid etching test for intergranular corrosion of austenitic stainless steel, $48.00

ISO 4905:2023, Corrosion of metals and alloys - Electrochemical test methods for high-temperature corrosion testing of metallic materials in molten salts, $111.00

Doors and windows (TC 162)

ISO 8275:2023, Hinged or pivoted doors - Determination of the resistance to vertical load, $48.00

Fine Bubble Technology (TC 281)

ISO 24218-1:2023, Fine bubble technology - Characterization of fine bubbles - Part 1: Evaluation of size and concentration indices by laser diffraction method, $73.00

Occupational health and safety management systems (TC 283)

ISO 45002:2023, Occupational health and safety management systems - General guidelines for the implementation of ISO 45001:2018, $225.00

Paper, board and pulps (TC 6)

ISO 5263-3:2023, Pulps - Laboratory wet disintegration - Part 3: Disintegration of mechanical pulps at ≥85 °C, $111.00

Personal safety - Protective clothing and equipment (TC 94)

ISO 16976-4:2023, Respiratory protective devices - Human factors - Part 4: Work of breathing and breathing resistance: physiologically based limits, $111.00

ISO 16976-6:2023, Respiratory protective devices - Human factors - Part 6: Psycho-physiological effects, $111.00

Plastics (TC 61)

ISO 11359-1:2023, Plastics - Thermomechanical analysis (TMA) - Part 1: General principles, $73.00

ISO 20819-2:2023, Plastics - Wood-plastic recycled composites (WPRC) - Part 2: Test methods, $149.00

Road vehicles (TC 22)

ISO 19438:2023, Diesel fuel and petrol filters for internal combustion engines - Filtration efficiency using particle counting and contaminant retention capacity, $175.00

ISO 24089:2023, Road vehicles - Software update engineering, $149.00

ISO 21782-1:2023, Electrically propelled road vehicles - Test specification for electric propulsion components - Part 1: General test conditions and definitions, $111.00

Security (TC 292)

ISO 22385:2023, Security and resilience - Authenticity, integrity and trust for products and documents - Guidelines to establish a framework for trust and interoperability, $111.00

Ships and marine technology (TC 8)

ISO 5476:2023, Ships and marine technology - Virtual reality and simulation training systems for lifesaving appliances and arrangements, $111.00

ISO 24452:2023, Ships and marine technology - Personal and group survival kit for use in polar water, $149.00

Sports and recreational equipment (TC 83)

ISO 9838:2023, Alpine and touring ski-bindings - Test soles for ski-binding tests, $73.00

Springs (TC 227)

ISO 22705-2:2023, Springs - Measurement and test parameters - Part 2: Cold formed cylindrical helical extension springs, $200.00

Steel (TC 17)

ISO 13521:2023, Austenitic manganese steel castings, $48.00

ISO 19960:2023, Cast steels and alloys with special physical properties, $73.00

Textiles (TC 38)

ISO 4484-1:2023, Textiles and textile products - Microplastics from textile sources - Part 1: Determination of material loss from fabrics during washing, $73.00

Tobacco and tobacco products (TC 126)

ISO 23906-2:2023, Cigarettes - Determination of benzo[a]pyrene in cigarette mainstream smoke with an intense smoking regime using GC/MS - Part 2: Method using cyclohexane as extraction solvent, $73.00

Tractors and machinery for agriculture and forestry (TC 23)

ISO 16399:2023, Agricultural irrigation equipment - Meters for irrigation water, $225.00

Welding and allied processes (TC 44)

ISO 15610:2023, Specification and qualification of welding procedures for metallic materials - Qualification based on tested welding consumables, $48.00

ISO Technical Reports

Laboratory glassware and related apparatus (TC 48)

ISO/TR 20461:2023, Determination of uncertainty for volume measurements of a piston-operated volumetric apparatus using a gravimetric method, $111.00

Transport information and control systems (TC 204)

ISO/TR 5255-2:2023, Intelligent transport systems - Low-speed automated driving system (LSADS) service - Part 2: Gap analysis, $73.00

ISO Technical Specifications

Floor coverings (TC 219)

ISO/TS 21868:2023, Textile floor coverings - State of the art on maintenance and cleaning, $111.00

Paints and varnishes (TC 35)

ISO/TS 19392-6:2023, Paints and varnishes - Coating systems for wind-turbine rotor blades - Part 6: Determination and evaluation of ice adhesion using centrifuge, $73.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 22123-1:2023, Information technology - Cloud computing - Part 1: Vocabulary, $48.00

ISO/IEC 27035-1:2023, Information technology - Information security incident management - Part 1: Principles and process, $175.00

ISO/IEC 27035-2:2023, Information technology - Information security incident management - Part 2: Guidelines to plan and prepare for incident response, $225.00

ISO/IEC/IEEE 8802-1CB:2019/Amd 1:2023, - Amendment 1: Information technology - Telecommunications and information exchange between systems - Local and metropolitan area networks - Specific requirements - Part 1CB: Frame replication and elimination for reliability - Amendment 1: Information model, YANG data model, and management information base module, $250.00

ISO/IEC/IEEE 8802-1CB:2019/Amd 2:2023, - Amendment 2: Information technology - Telecommunications and information exchange between systems - Local and metropolitan area networks - Specific requirements - Part 1CB: Frame replication and elimination for reliability - Amendment 2: Extend stream identification functions, $225.00

IEC Standards

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

IEC 61156-7 Ed. 2.0 en:2023, Multicore and symmetrical pair/quad cables for digital communications - Part 7: Symmetrical pair cables with transmission characteristics up to 1 200 MHz - Sectional specification for digital and analog communication cables, $221.00

IEC 61156-8 Ed. 2.0 en:2023, Multicore and symmetrical pair/quad cables for digital communications - Part 8: Symmetrical pair cables with transmission characteristics up to 1 200 MHz - Work area wiring - Sectional specification, $221.00

S+ IEC 61156-7 Ed. 2.0 en:2023 (Redline version), Multicore and symmetrical pair/quad cables for digital communications - Part 7: Symmetrical pair cables with transmission characteristics up to 1 200 MHz - Sectional specification for digital and analog communication cables, $288.00

S+ IEC 61156-8 Ed. 2.0 en:2023 (Redline version), Multicore and symmetrical pair/quad cables for digital communications - Part 8: Symmetrical pair cables with transmission characteristics up to 1 200 MHz - Work area wiring - Sectional specification, $288.00

Electric road vehicles and electric industrial trucks (TC 69)

IEC/PAS 61851-1-1 Ed. 1.0 en:2023, Electric vehicle conductive charging system - Part 1-1: Specific requirements for electric vehicle conductive charging system using type 4 vehicle coupler, $89.00

Electric traction equipment (TC 9)

IEC 63076 Amd.1 Ed. 1.0 b:2023, Amendment 1 - Railway applications - Rolling stock - Electrical equipment in trolley buses - Safety requirements and current collection systems, $13.00

IEC 63076 Ed. 1.1 b:2023, Railway applications - Rolling stock - Electrical equipment in trolley buses - Safety requirements and current collection systems, $443.00

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

IEC 61969-1 Ed. 4.0 b:2023, Mechanical structures for electrical and electronic equipment - Outdoor enclosures - Part 1: Design guidelines, $89.00

S+ IEC 61969-1 Ed. 4.0 en:2023 (Redline version), Mechanical structures for electrical and electronic equipment - Outdoor enclosures - Part 1: Design guidelines, $115.00

Fibre optics (TC 86)

IEC 61291-2 Ed. 5.0 b:2023, Optical amplifiers - Part 2: Single channel applications - Performance specification template, $133.00

IEC 62149-12 Ed. 1.0 b:2023, Fibre optic active components and devices - Performance standards - Part 12: Distributed feedback laser diode device for analogue radio over fibre systems, $89.00

IEC 60794-1-308 Ed. 1.0 b:2023, Optical fibre cables - Part 1 -308: Generic specification - Basic optical cable test procedures - Cable element test methods - Ribbon residual twist test, method G8, $51.00

S+ IEC 61291-2 Ed. 5.0 en:2023 (Redline version), Optical amplifiers - Part 2: Single channel applications - Performance specification template, $173.00

Magnetic alloys and steels (TC 68)

IEC 60404-12 Ed. 2.0 b:2023, Magnetic materials - Part 12: Methods of test for the assessment of the thermal endurance of surface insulation coatings on electrical steel strip and sheet, $89.00

Secondary cells and batteries (TC 21)

IEC 62485-6 Ed. 1.0 b Cor.1:2023, Corrigendum 1 - Safety requirements for secondary batteries and battery installations - Part 6: Safe operation of lithium ion batteries in traction applications, $0.00

IEC Technical Specifications

Safety of machinery - Electrotechnical aspects (TC 44)

IEC/TS 63074 Ed. 1.0 en:2023, Safety of machinery - Security aspects related to functional safety of safety-related control systems, $221.00

International Organization for Standardization (ISO)

Call for U.S. TAG Administrator

ISO/TC 71 – Concrete, reinforced concrete and pre-stressed concrete

ANSI has been informed that ACI International, the ANSI-accredited U.S. TAG Administrator for ISO/TC 71 – *Concrete, reinforced concrete and pre-stressed concrete*, wishes to relinquish their role as U.S. TAG Administrator.

ISO/TC 71 operates under the following scope:

Standardization of the technology of concrete, of the design and construction of concrete, reinforced concrete and pre-stressed concrete structures, so as to ensure progressive development both in quality and in price reduction; and of definitions and terms, as well as testing procedures, to facilitate international exchange of research work.

ISO/TC 71 currently has the following active subcommittees:

- ISO/TC 71/SC 1 – *Test methods for concrete*
- ISO/TC 71/SC 3 – *Concrete production and execution of concrete structures*
- ISO/TC 71/SC 4 – *Performance requirements for structural concrete*
- ISO/TC 71/SC 5 – *Simplified design standard for concrete structures*
- ISO/TC 71/SC 6 – *Non-traditional reinforcing materials for concrete structures*
- ISO/TC 71/SC 7 – *Maintenance and repair of concrete structures*
- ISO/TC 71/SC 8 – *Environmental management for concrete and concrete structures*

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

Registration of Organization Names in the United States

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

Public Review

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

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

Proposed Foreign Government Regulations

Call for Comment

U.S. manufacturers, exporters, trade associations, U.S domiciled standards development organizations and conformity assessment bodies, consumers, or U.S. government agencies may be interested in proposed foreign technical regulations notified by Member countries of the World Trade Organization (WTO). In accordance with the WTO Agreement on Technical Barriers to Trade (TBT Agreement), Members are required to notify to the WTO Secretariat in Geneva, Switzerland proposed technical regulations that may significantly affect trade. In turn, the Secretariat circulates and makes available these notifications. 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 (https://epingalert.org/) 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. To register for ePing, please visit: https://epingalert.org/

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 available at:
https://tsapps.nist.gov/notifyus/data/guidance/guidance.cfm prior to submitting comments.

For further information about the USA TBT Enquiry Point, please visit:
https://www.nist.gov/standardsgov/usa-wto-tbt-enquiry-point
Contact the USA TBT Enquiry Point at (301) 975-2918; E usatbtep@nist.gov or notifyus@nist.gov

Public Review Draft

Proposed Addendum ac to Standard 189.1-2020

Standard for the Design of High-Performance Green Buildings

Except Low-Rise Residential Buildings

Second Public Review (February 2022)
(Draft Shows Proposed Independent Substantive Changes to Previous Public Review Draft)

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

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

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

Foreword

The proposed ISC for Addendum ac modifies the electric readiness jurisdictional option in new construction based on comments received and on additional reviews received during the comment period.

This ISC modifies proposed addendum ac to Standard 189.1-2020 with two types of changes. First, several revisions are made in the ISC to terms and descriptors for particular pieces of electrical equipment, or components of an electrical distribution system, to improve the clarity of the intended measures. Second, the ISC modifies several physical specifications of electrical distribution systems that are configured to accommodate energy demands by electrical equipment installed in the future. In addition, one typographical error was corrected. The term fossil fuels was changed to fuel-fired in response to public comments and for clarification.

...

[Note to Reviewers: This addendum makes proposed independent substantive changes to the previous public review draft. 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 previous public review 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 changes.]

Addendum ac (PPR2 ISC) to 189.1-2020

Revise Section 7.3.6 as follows:

7.3.6 [JO] Electric infrastructure. New *buildings* that use ~~fossil fuels~~ fuel-fired appliances for space heating, *service water heating*, cooking, or clothes drying shall install electric infrastructure in accordance with 7.3.6.1 through 7.3.6.5.

7.3.6.1 ~~Fossil Fuel~~ Fuel-Fired space heating. Locations ~~with~~ of ~~piping for fossil fuel~~ fuel-fired warm-air furnaces ~~or~~ and ~~fossil fuel~~ fuel-fired boilers shall comply with Section 7.3.6.1.1 or 7.3.6.1.2, as applicable.

Exception to 7.3.6.1: Where a branch circuit exists for space cooling equipment with the capacity to serve heat pump space heating equipment sized in accordance with the requirements of 6.4.2 of ANSI/ASHRAE/IES Standard 90.1.

7.3.6.1.1 Low-capacity space heating. Locations of ~~fossil fuel~~ fuel-fired warm-air furnaces with capacity less than 225,000 Btu/hr (65.9kW) ~~or~~ and ~~fossil fuel~~ fuel-fired boilers with a capacity less than 300,000 Btu/hr (88kW) shall be provided with ~~an individual~~ a dedicated branch circuit in accordance with all of the following:

1. The branch circuit ~~conductors~~ shall terminate within 6 ft (2 m) ~~3 ft (1 m)~~ of the location of the space heating equipment and shall be *readily accessible*.
2. The branch circuit ~~conductors~~ shall be sized to serve heat pump space heating equipment sized in accordance with the requirements of 6.4.2 of ANSI/ASHRAE/IES Standard 90.1, and
3. The ~~point of origin~~ branch circuit overcurrent device and the termination of the branch circuit shall be labeled "For future heat pump space heating equipment."

7.3.6.1.2 Other space heating equipment. Locations of ~~fossil fuel~~ fuel-fired space heating equipment not covered under 7.3.6.1.1 shall be provided with ~~a raceway in accordance with~~ all of the following:

1. ~~The~~ A raceway shall be continuous from a panelboard, switchboard, switchgear, or other originating equipment ~~branch circuit panel~~ to a junction box located within the same space as the equipment or, where the equipment is located on the exterior of the building, within 3 ft (1m) of the equipment.
2. The junction box, raceway, branch circuit, panelboard and feeder ~~bus bar in the electric panel and conductors serving the electrical panel~~ shall be sized to serve electric space heating equipment sized to serve the same load as the ~~fossil fuel~~ fuel-fired space heating *appliance*.
3. The ~~electric panel~~ panelboard shall have sufficient reserved physical space for branch circuit overprotection devices sized to serve electric equipment sized to serve the same load as the ~~fossil fuel~~ fuel-fired space heating equipment ~~*appliance.*~~
4. The point of origin and the termination of the raceway shall be labeled "For future heat pump space heating equipment."

7.3.6.2 ~~Fossil Fuel~~ Fuel-Fired water heating. Locations ~~with~~ of ~~piping for~~ ~~fossil fuel~~ fuel-fired water heaters shall comply with Section 7.3.6.2.1 or 7.3.6.2.2, as applicable.

7.3.6.2.1 Low-capacity ~~fossil fuel~~ fuel-fired **water heating**. Locations of ~~fossil fuel~~ fuel-fired water heaters with an input rating of less than 300,000 Btu/hr (88kW) shall comply with all of the following:

1. An individual 30 ampere, 208/240-volt branch circuit shall be provided and terminate within 6 ft (2 m) ~~3 ft (1 m)~~ of the water heater and shall be *readily accessible*.
2. The ~~point of origin~~ branch circuit overcurrent device and the termination of the branch circuit shall be labeled "For future electric water heater".
3. The space for containing the future water heater shall have a height of not less than 7 ft (2 m), a width of not less than 3 ft (1 m), a depth of not less than 3ft (1 m) and with a volume of not less than 700 ft^3 (20 m^3).

Exception to 7.3.6.2: Where the space containing the water heater ~~is provided with air ducts or transfer openings to accommodate a~~ provides for air circulation sufficient for the operation of a heat pump water heater, the minimum room volume shall not be required.

7.3.6.2.2 Other ~~fossil fuel~~ fuel-fired water heating. Locations of ~~fossil fuel~~ fuel-fired water heating equipment not covered by Section 7.3.6.2.1 shall be provided with a raceway in accordance with all of the following:

1. The raceway shall be continuous from ~~an electric panel~~ a panelboard to a junction box located within the same space as the equipment or, where the equipment is located on the exterior of the building, within 6 ft (2 m) ~~3 ft (1 m)~~ of the equipment.
2. The junction box, raceway, panelboard and feeder ~~and bus bar in the electric panel and conductors serving the electrical panel~~ shall be sized to ~~accommodate~~ serve electric water heating equipment sized to serve the same load as the ~~fossil fuel~~ fuel-fired water heating equipment.

3. The ~~electric panel~~ panelboard shall have sufficient reserved physical space for branch circuit overprotection devices sized to serve electric water heating equipment sized to serve the same load as the ~~fossil fuel~~ fuel-fired water heating equipment.
4. The point of origin and termination of the raceway shall be labeled "For future electric ~~space~~ water heating appliance".

7.3.6.3 ~~Fossil Fuel~~ Fuel-Fired cooking. Locations of ~~with~~ ~~piping for~~ ~~fossil fuel~~ fuel-fired cooking appliances shall comply with 7.3.6.3.1 or 7.3.6.3.2.

7.3.6.3.1 Commercial cooking. Locations of ~~fossil fuel~~ fuel-fired *commercial cooking appliances* shall be provided with a raceway in accordance with all of the following:

1. The raceway shall be continuous from ~~an electric panel~~ a panelboard to a junction box located within the same space as the appliance or, where the appliance is located on the exterior of the building, within 3 ft (1m) of the appliance.
2. The junction box, raceway, panelboard and feeder ~~bus bar in the electric panel and conductors serving the electrical panel~~ shall be sized to accommodate a load of not less than 80 VA per 1 kBtu/hr (76 VA per 1 MJ/hr) of the input rating of the ~~fossil fuel~~ fuel-fired commercial cooking appliance.

7.3.6.3.2 Non-commercial cooking. Locations of ~~fossil fuel~~ fuel-fired ranges, cooktops and ovens not covered by Section 7.3.6.3.1 shall be provided with a dedicated ~~an individual~~ branch circuit in accordance with all of the following:

1. The branch circuit shall be rated for 208/240-volts and not less than 50 amps.
2. The branch circuit shall terminate within 3 ft (1 m) of the appliance and shall be *readily accessible*.
3. The point of origin and termination of the branch circuit shall be labeled "For future electric cooking appliance".

7.3.6.4 Fuel-Fired clothes drying. Locations ~~with~~ of ~~piping for~~ ~~fossil fuel~~ fuel-fired clothes drying equipment shall comply with 7.3.6.4.1 or 7.3.6.4.2, as applicable.

7.3.6.4.1 Residential drying. Locations of ~~fossil fuel~~ fuel-fired clothes drying appliances serving individual *dwellings units* shall be provided with a dedicated ~~an individual~~ branch circuit in accordance with all of the following:

1. The branch circuit shall be rated for 208/240-volts and not less than 30 amps.
2. The branch circuit shall terminate within 3 ft (1 m) of the appliance and shall be *readily accessible*.
3. The point of origin and termination of the branch circuit shall be labeled "For future electric clothes drying appliance".

7.3.6.4.2 Non-residential drying. Locations of ~~fossil~~ fuel-fired ~~-~~clothes drying appliances not covered by Section 7.3.6.4.1 shall be provided with a raceway in accordance with all of the following:

1. The raceway shall be continuous from ~~a electric panel~~ the panelboard to a junction box located within the same space as the appliance.
2. The junction box, raceway, panelboard and feeder ~~bus bar in the electric panel and conductors serving the electrical panel~~ shall ~~have the capacity~~ be sized to serve electric clothes drying appliances having the same drying capacity as the ~~fossil~~ fuel-fired appliance.

3. The ~~electric panel~~ panelboard shall have sufficient reserved physical space for branch circuit overprotection devices sized to serve electric clothes drying appliances sized to serve the same load as the ~~fossil fuel~~ fuel-fired clothes drying appliances.
4. The point of origin and termination of the raceway shall be labeled "For future electric clothes drying appliance".

The following language is below the line and not available for comment in this ISC. This language was originally in the first publication public review.

commercial cooking appliance: Appliances used in a commercial food service establishment for heating or cooking food. For the purpose of this definition, a commercial food service establishment is where food is regularly prepared for sale or is prepared on a scale that is by volume and frequency not representative of domestic household cooking.

readily accessible: see ANSI/ASHRAE/IES Standard 90.1.

7.3.6.5 Onsite Transformers. Enclosed spaces and underground vaults containing onsite electric transformers on the *building* side of the electric utility meter shall have sufficient space to accommodate transformers sized to serve the additional electric loads identified in 7.3.6.1, 7.3.6.2, 7.3.6.3 and 7.3.6.4.

Chapter 11 Normative References as follows:

Reference	Title	Section
National Fire Protection Association 1 Battery March Park Quincy, MA 02169-7471 United States 1-617-770-0700 www.nfpa.org		
NFPA 70-2020	National Electric Code	7.3.6.1

Public Review Draft

Proposed Addendum ad to Standard 189.1-2020

Standard for the Design of High-Performance Green Buildings

Except Low-Rise Residential Buildings

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

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Foreword

This addendum clarifies the purpose and scope of Standard 189.1 and further correlates the scope of the standard with that of the *International Green Construction Code*© (IgCC).

The scope of Standard 189.1 is clarified by explicitly stating its applicability to the sites upon which buildings are constructed as well as to the demolition and deconstruction of buildings. Standard 189.1 already contains provisions addressing these topics in Sections 5 and 9.

This addendum also expands the scope of Standard 189.1 by adding changes in building occupancy or use to regulated elements. This correlates with the IgCC which has, as is typical of the International Codes, provisions to regulate changes in occupancy.

This addendum further expands the scope of Standard 189.1 by making it applicable to "structures." This clarifies that the standard is applicable to constructed elements that are not necessarily part of a building project, such as ornamental water features, parking lot lighting, and electric vehicle charging infrastructure. Standard 189.1 already contains requirements addressing these features. This change will align the scope with existing language. It should be noted that except for the 2018, which used the Standard 189.1-2017 scope, every edition of the IgCC, including the initial public review draft and the 2021, has included "structures" within its scope.

The provisions added to Section 4 provide appropriate limits on the degree of compliance required when a building changes occupancy or use. They limit the applicability of Standard 189.1 to the provisions of the standard that are specifically applicable to the new occupancy or use. This is consistent with the treatment of changes of occupancy in the International Plumbing, Mechanical and Existing Building Codes.

Note that Addendum x of Standard 189.1 will mean that occupancy classifications used in 189.1 are the same as in the International Building Code. The occupancy classifications in the IBC are available for free viewing at:

https://codes.iccsafe.org/content/IBC2021P2/chapter-3-occupancy-classification-and-use.

[Note to Reviewers: This addendum makes proposed changes to the standard. These changes are indicated in the text by <u>underlining</u> (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 *ad* to 189.1-2020

...

Modify Sections 1 and 2 as shown below:

1. PURPOSE

1.1 The purpose of this standard is to provide minimum requirements for the siting, design, construction, and plans for operation of *high-performance green buildings* to

a. reduce emissions ~~from~~ ~~buildings and building systems~~, enhance ~~building~~ occupant health and comfort, conserve water ~~resources~~, protect local biodiversity and ecosystem services, promote sustainable and regenerative materials cycles, ~~enhance building quality,~~ and enhance resilience ~~to natural, technological, and human-caused hazards~~; 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.

1.2 This standard provides ~~is intended to provide the technical basis of mandatory building codes and regulations for *high-performance green buildings*~~ comprehensive requirements that ~~are broadly adoptable~~ can be adopted by national and local jurisdictions.

2. SCOPE

2.1 This standard addresses site sustainability, water use efficiency, energy efficiency, indoor environmental quality (IEQ), materials and resources, and construction and plans for operation. It contains requirements that apply to the following:
~~a. apply to the following *building projects*:~~

~~1.~~ a. New buildings and structures, and their systems
~~2.~~ b. New portions of buildings and structures, and their systems
~~3.~~ c. New systems and equipment in existing buildings
~~4.~~ d. Relocated existing buildings ~~and temporary structures~~ ~~where specified in this standard~~
e. The site on which the building or structure is located
f. Demolition and deconstruction of buildings and their systems
g. Change of occupancy classification or use

~~b. address site sustainability, water use efficiency, energy efficiency, indoor environmental quality (IEQ), materials and resources, and construction and plans for operation.~~

2.2 The provisions of this standard do not apply to:

a. single-family houses, multifamily structures of three stories or fewer above grade, manufactured houses (mobile homes), and manufactured houses (modular) and
b. *building projects* and structures that use none of the following:

1. electricity
2. fossil fuel
3. water

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

Add to Section 4 as shown below:

4.6 Change in Occupancy or Use. Where an existing building undergoes a change of occupancy or use, the *building project* shall be subject to the provisions of this standard that are specifically applicable to the new occupancy or use. Compliance shall be only as necessary to meet the specific provisions for the new occupancy or use and is not intended to require the entire existing building to be brought into compliance. The AHJ shall verify that such building meets the intent of the provisions of this standard governing *building* construction for the proposed new *occupancy* or use.

Note to reviewers; Addendum X adds a new Section 4.5 as shown below for context. It is not part of the public review of this addendum and is not open for comment:

4.5 Occupancy classification. Where occupancy classifications are specified by this standard they shall be as defined in Chapter 3 of the International Building Code.

Public Review Draft

Proposed Addendum z to Standard 189.1-2020

Standard for the Design of High-Performance Green Buildings

Except Low-Rise Residential Buildings

Second Public Review (February 2022)
(Draft Shows Proposed Independent Substantive Changes to Previous Public Review Draft)

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

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Foreword

This ISC addresses comments made during the first public review of addendum z. The proposed changes from the 1st public review draft are the following:

1) Definitions for *building product* and *building product assembly* used in addendum *ak* have been referenced at the end of the document. These terms replace the terms "product" and "assembly" throughout this section.
2) Any changes to the definitions for *building product*, *building product assembly*, and *cradle-to-gate* will be aligned between the two addenda.
3) The numbering has been updated to be consistent with Addendum u (Sec 9 editorial changes).
4) Clarification has been added to the requirement related to cost estimating.
5) Clarification has been added for determining compliance through building product assemblies.
6) An alternative compliance path requiring the submission of 30 EPDs has been added to 9.4.1.1

Note: The numbering and ordering of Section 9 was modified as an editorial change in Addendum *u*. Section 9 numbering reflecting both addenda *z* and *ak* will be:

9.1 Scope
9.2 Compliance
9.3 Extracting, Harvesting, and/or Manufacturing
9.4 Environmental Product Declarations and Global Warming Potential
    9.4.1 Environmental Product Declarations and Global Warming Potential Reporting
    9.4.2 Product Procurement
9.5 Material Attributes
    9.5.1 Reduced Impact Materials
        9.5.1.1 Recycled Content and Salvaged Material Content
            9.5.1.1.1 Recycled Content
            9.5.1.1.2 Salvaged Material Content
        9.5.1.2 Regional Materials
        9.5.1.3 Biobased Products

[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.]

Second Public Review ISC to Addendum z to 189.1-2020

Modify section 9.4 as follows:

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 costs of all *building products* ~~products~~ permanently installed in the *building project,* or not less than 30 EPDs, and such that a, b, c and d are satisfied:

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 estimated total 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 shall be third-party verified Type III E PDs consistent with ISO 21930 or ISO 14025, with not less than a cradle-to-gate scope. Where an industry-wide 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 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 a~~n~~ *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 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 product 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, the global warming potential reported in the applicable EPD as a declared unit or functional unit shall be multiplied by the number of declared or functional units of the *building product* ~~products~~ used in the *building project*. A report listing the results on a per *building product* ~~products~~ 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).*

9.5 Material Selection. The building project shall comply with either 9.5.1 or 9.5.2.
9.5.1 Reduced Impact Materials. The *building project* shall comply with one of the following: Sections 9.5.1.1, 9.5.1.2, 9.5.1.3, or 9.5.1.4. Calculations shall only include materials permanently installed in the *building project*. A value of 45% of the total construction cost shall be permitted to be used in lieu of the actual cost of materials.

[Sections 9.5.1.1 through 9.5.1.3 are renumbered but not modified]

9.5.1.4 Third-Party Multiattribute Certification. A material-specific assessment shall be submitted to the *authority having jurisdiction* (AHJ) for a minimum of five different products installed in the *building project* at the time of issuance of certificate of occupancy in accordance with one or more of the following standards, where applicable. The assessment shall be certified as meeting the minimum performance level specified in each standard.
a. ANSI/BIFMA e3
b. NSF/ANSI 140
c. NSF/ANSI 332
d. NSF/ANSI 336
e. NSF/ANSI 342
f. NSF/ANSI 347
g. NSC 373
h. ANSI A138.1
i. UL 102

The following language is below the line and not available for comment in this ISC. These definitions are in addendum ak and are used in this ISC. For clarification and informational purposes only, they are reproduced here

The following definitions from Addendum *ak*:

***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, 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 21930:2017.*

BSR/ASHRAE/IES Addendum i
to ANSI/ASHRAE/IES Standard 100-2018

Second Public Review Draft

Proposed Addendum i to Standard 100-2018, Energy Efficiency in Existing Buildings

Second Public Review (February 2023)
(Draft shows Proposed Independent Substantive Changes to Previous Public Review Draft)

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

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FOREWORD

This independent substantive change 2nd publication public review draft makes revisions in response to comments received during the 1st publication public review draft.

Note: This public review makes proposed independent substantive changes to the previous public review draft. 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 previous public review 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 related to the proposed substantive changes.

Addendum i to Standard 100-2018

Modify Title, Purpose, and Scope as follows.

TITLE: ENERGY AND EMISSIONS BUILDING PERFORMANCE STANDARD FOR EXISTING BUILDINGS

1. PURPOSE

1.1 This standard establishes *building* ~~carbon~~ greenhouse gas (GHG) emissions and energy consumption performance levels for existing *buildings*. This standard provides compliance requirements that will result in ~~reduced carbon emissions and energy consumption through~~ improved energy efficiency and reduced GHG emissions of existing *buildings*.

1.2 This standard is directed toward:

a. setting ~~emissions~~ performance targets based on ~~energy and greenhouse gas (GHG)~~ operational GHG emissions and energy consumption,

b. ~~requiring~~ accommodating progressively ~~improved~~ more stringent performance targets ~~to accommodate capital planning and end of life equipment modifications~~,

c. providing a technical basis for ~~jurisdictions to set~~ setting *building* performance standards, and

d. providing procedures and programs essential to energy efficient operation, maintenance, management, and monitoring.

~~e. increasing the energy efficiency of the energy using systems and components, and~~

~~f. upgrading the thermal performance of the *building* envelope.~~

2. SCOPE

This standard applies to existing *buildings*, portions of *buildings*, and *building complexes*, including the envelope and all systems in the *building*. This standard excludes industrial and agricultural processes in *buildings* for which the energy consumption and emissions targets do not include those processes.

[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

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Normative Annex 1
(formerly Annex A)

Performance tests

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N-1.9.3.1 General

The nominal set point average inflow velocity shall be determined by a direct inflow reading instrument measurement. ~~After the nominal set point is determined by a direct inflow reading instrument measurement, readings shall be taken by the appropriate alternate calculated or measured method recommended by the manufacturer. Both of these set point values shall meet the requirements of Section N-1.9.4.~~

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N-1.9.3.4.1 Alternate inflow measurement methods

~~These methods, approved by the testing organization, shall be validated and provided by the manufacturer and shall be subject to review by the testing organization. Manufacturer validation procedures shall contain no fewer than ten replicate tests. The testing organization's approval shall be based on review of data and successful reproduction of test results.~~ The following methods have been found to be acceptable on some cabinets:

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Normative Annex 5
(formerly Annex F)

Field tests

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N-5.3.3 Methods

One of these methods was validated per cabinet model and provided by the manufacturer, which was reviewed and approved by the testing organization. ~~Manufacturer validation procedures contained no fewer than ten replicate tests. The testing organization's approval will be based on review of data and successful reproduction of test results. The validated alternate method is on the manufacturer's data plate.~~

~~**N-5.3.3.1 General**~~

~~When the testing organization has determined the nominal set point on a given model and size of cabinet using a DIM device, and an appropriate alternative method has been validated for that cabinet by the testing organization, this alternate method may be used to establish the set point on the same model and size of cabinet in the field.~~

***Rationale**: Years of data illustrates the alternate inflow method seldom matches the primary method, however Standard 49 specifies the requirement of reproducing the method during certification. This revision allows for the secondary method to be unverified.*

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

NSF/ANSI/CAN Standard
for Drinking Water Additives –

Drinking Water System Components – Health Effects

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5 Barrier materials

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5.7.2 Normalization for concrete aggregate

The following equation shall be used to calculate the normalized concentration of each contaminant for concrete aggregate evaluations. Table 5.8 provides examples of calculated aggregate field use assmptions for several reservoir capacities.

$$\text{normalized contaminant concentration} = \text{laboratory contaminant concentration} \times \frac{\text{aggregate field use assumption (g/L)}}{\text{laboratory evaluation ratio (g/L)}}$$

Where:

$$\text{aggregate field use assumption (g/L)} = \text{ratio of concrete structure's wetted surface area to structure's volume } (in^2/L) \times \text{correlation of concrete volume to evaluated concrete surface area } (in^3/in^2) \times \text{aggregate mass per volume of concrete } (g/in^3)$$

— ratio of concrete structure's wetted surface area to structure's volume: The surface area-to-volume ratios shown in Table 5.6 shall be used. Surface area-to-volume ratios for products used as barriers in tanks or storage vessels with a capacity other than those shown in Table 5.6 shall be determined on a case-by-case basis, as described in Secion 5.7.1.2;

— correlation of concrete volume to evaluated concrete surface area: 0.1 (in^3/in^2);

NOTE — The 0.1 in^3/in^2 value accounts for 100% of the aggregate exposed within the top 0.1 in of concrete.

— aggregate mass per volume of concrete (g/in^3): Concrete mix design specific value~~:~~.

5.7.3 Normalization for all other end uses

For barrier materials that have end uses other than tanks or storage vessels, normalization shall be performed using the following equation, or to the normalization requirements of the section of this Standard which addresses the specific end use of the barrier material.

$NF = N1 \times N2$

$$N1 = \frac{SA_F}{SA_L} \times \frac{V_L}{V_{F(static)}}$$

$$N2 = \frac{V_{F(static)}}{V_{F(flowing)}}$$

Where:

SA_F = surface area exposed in the field

SA_L = surface area exposed in the laboratory

V_L = volume of extraction water used in the laboratory

$V_{F(static)}$ = volume of water to which the product is exposed under static conditions

$V_{F(flowing)}$ = volume of water to which the product is exposed under flowing conditions during a period of time equivalent to the laboratory test

When the length of the exposure being normalized is other than 24 h in length, the normalized value shall be adjusted to reflect a 24-h exposure (e.g., multiply the normalized value by $^{24}/_{72}$ when a 3-d exposure was used). Products used as barriers for pipes shall use the surface area-to-volume ratios shown in Table 5.7.

Pipe and fitting coatings with a nominal diameter ≥ 10 cm (4 in) shall be normalized to the flowing condition. Pipe and fitting coatings with a nominal diameter of < 10 cm (4 in) shall be normalized to the static condition when the value of N2 is ≤ 0.1. Pipe and fitting coatings with a nominal diameter of < 10 cm (4 in) shall be normalized to the flowing condition when the value of N2 is > 0.1.

5.7.~~3~~4 Over time exposure calculations

Laboratory values from each time point for which extractant water was collected (minimum of five data points required) shall be normalized as indicated in Sections 5.7.1 or 5.7.2, depending on product end use.

A decay curve of these normalized contaminant concentrations in relation to elapsed exposure time shall be plotted. A contaminant concentration at Day 90 of exposure shall be extrapolated from this data.

NOTE — Day 1 is defined as the time point at which extractant water for all contaminants is collected for analysis (5 d of elapsed time). Day 90 is defined as 90 d following this time point (95 d of elapsed time).

Rationale: Adding back inadvertently omitted section from 2017 for 5.7.3 normalization for all other end uses per 2022 DWA-SC JC meeting discussion (12/1/23).

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

NSF/ANSI/CAN Standard
for Drinking Water Additives –

Drinking Water System Components – Health Effects

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Normative Annex 2
(formerly Annex C)

Acceptable materials

N-2.1 Purpose

This annex defines the evaluation process for materials that have been submitted for qualification as acceptable materials.

N-2.2 Evaluation of acceptable materials

A material shall be designated as an "acceptable material" in Table N-2.1 if it has a standard material formulation or specification (e.g., ASTM); has undergone extraction testing that demonstrates that the material does not contribute any contaminant in excess of its acceptable level as determined by this Standard (see Section N-2.3); and is accompanied by adequate documentation (see Section 3.4).

N-2.2.1 Acceptable materials for mechanical plumbing devices – lead leaching only

Materials included in Table N-2.2 have been tested for compliance according to Section 9 requirements, but not for compliance under any other section of the standard or for non-lead analytes and therefore may be subject to additional testing outlined in this standard. The brass alloys included in Table N-2.2 have demonstrated compliance with the lower lead-leaching criteria for Section 9 endpoint devices in Section 9.5.1.1 when used within the operating parameters defined in the table.

N-2.3 Extraction testing

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Table N-2.2
Acceptable materials for mechanical plumbing devices – Lead leaching only

Material	Specific designation	Standard (product) reference	Surface area-to-volume ratio	End use temperature	Composition
brass	UNS C27250	—	1,613 cm^2/L (153 in^2/L)	23 °C (73 °F)	Percent composition: copper (62.0 to 65.0) lead (0.009 max.) iron (0.35 max.) phosphorous (0.05 to 0.40) carbon (0.20 to 1.2) bismuth (0.009 max.) silicon (0.009 max) zinc (balance)
	UNS C27550	—	1,613 cm_2/L (153 in_2/L)	23 °C (73 °F)	Percent composition: copper (60.0 to 63.0) lead (0.04 max.) iron (0.35 max.) phosphorous (0.40 max.) carbon (0.20 to 1.2) bismuth (0.009 max.) silicon (0.009 max) zinc (balance)
	UNS C49100	—	1,613 cm^2/L (153 in^2/L)	23 °C (73 °F)	Percent composition: copper (85.5 to 87.5) lead (0.09 max.) tin (0.30 max.) iron (0.30 max.) phosphorous (0.10 max.) tellurium (0.30 to 0.9) nickel (0.30 max.) zinc (14.5 max.)
	UNS C69300	ASTM B124 ASTM B283 ASTM B371	1,613 cm^2/L (153 in^2/L)	23 °C (73 °F)	Percent composition: copper (73.0 to 77.0) lead (0.09 max.) tin (0.20 max.) iron (0.10 max.) phosphorous (0.04 to 0.15) nickel (0.10 max. manganese (0.10 max.) silicon (2.7 to 3.4) zinc (balance)

	UNS C69850	ASTM B124 ASTM B283 ASTM B371	1,613 cm^2/L (153 in^2/L)	23 °C (73 °F)	Percent composition: copper (67.5 to 69.0) lead (0.09 max.) tin (0.20 max.) iron (0.10 max.) phosphorous (0.04 to 0.15) nickel (0.10 max.) manganese (0.10 max.) silicon (1.53 to 2.0) zinc (balance)
	UNS C89833	—	1,613 cm^2/L (153 in^2/L)	23 °C (73 °F)	Percent composition: copper (86.0 to 91.0) lead (0.09 max.) tin (4.0 to 6.0) iron (0.30 max.) phosphorous (0.050 max.) nickel (1.0 max.) aluminum (0.005 max.) bismuth (1.7 to 2.7) sulfur (0.08 max.) antimony (0.25 max.) silicon (0.005 max.) zinc (2.0 to 6.0)
	UNS C89835	—	1,613 cm^2/L (153 in^2/L)	23 °C (73 °F)	Percent composition: copper (85.0 to 89.0) lead (0.09 max.) tin (6.0 to 7.5) iron (0.20 max.) phosphorous (0.10 max.) nickel (1.0 max.) aluminum (0.005 max.) bismuth (1.7 to 2.7) sulfur (0.08 max.) antimony (0.35 max.) silicon (0.005 max.) zinc (2.0 to 4.0)

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Rationale: Added new acceptable alloy material under new Table N-2.2 per 2022 DWA-SC JC meeting discussion (December 1, 2022). Submission of extensive study on the alloy included under referenced items with this ballot to satisfy the criteria for inclusion in the NSF 61 Normative Annex 2 list of 'Acceptable Materials' for lead leaching against the lower Q criteria in Section 9.5.1.1.

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

NSF/ANSI/CAN Standard
for Drinking Water Additives –

Drinking Water System Components – Health Effects

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3 General requirements

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Table 3.1
Material-specific analyses

Material type	Required analyses
pipe / fitting / device materials	
aluminum	regulated metals,[1] aluminum
aluminum oxide ceramics	regulated metals,[1] aluminum
asphaltic-coated ductile iron	GC/MS,[2] VOCs, regulated metals,[1] polynuclear aromatic hydrocarbons (PNAs), molybdenum, vanadium, manganese
brass	regulated metals,[1] zinc, nickel, bismuth[3]
carbon graphite nonimpregnated	GC/MS,[2] VOCs, polynuclear hydrocarbons (PNAs), regulated metals[1]
carbon graphite (phenol formaldehyde impregnated)	GC/MS,[2] VOCs, polynuclear hydrocarbons (PNAs), formaldehyde, regulated metals[1]
carbon steel	regulated metals[1]
cast iron	regulated metals[1]
chrome / nickel plating	regulated metals,[1] nickel
concrete[4]	regulated metals[1], cesium
concrete aggregate[4]	regulated metals,[1] radionuclides
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Barrier materials	

Table 3.1
Material-specific analyses

Material type	Required analyses
asphaltic coatings	GC/MS,[2] VOCs, regulated metals,[1] molybdenum, vanadium, manganese, PNAs[2]
epoxy coatings (liquid and powder)	GC/MS,[2] VOCs, bisphenol A,[3] bisphenol A-diglycidyl ether,[13] bisphenol A-diglycideryl ether,[13] bisphenol A-propoxylate,[3,13] epichlorohydrin,[3] bisphenol F,[3] bisphenol F-diglycidyl ether,[3,13] bisphenol F-diglycideryl ether,[3,13] bisphenol F-propoxylate,[3,13] solvent and reactive diluent additives[3,14]
polyester coatings	GC/MS,[2] VOCs, residual monomers[15]
polyurethane coatings	GC/MS,[2] VOCs
portland and hydraulic cements[4]	GC/MS,[2] regulated metals,[1] dioxins and furans, radionuclides, glycols and ethanolamines[16], cesium

[1] Antimony, arsenic, barium, beryllium, cadmium, chromium, copper, lead, mercury, selenium, thallium. Chromium shall be evaluated against the pass/fail criteria of chromium VI as a screening level. If the normalized result exceeds this criteria, the sample shall be tested according to the method described in Section N-1.7.3 and shall be evaluated against the pass/fail criteria listed in Table 4.1 of NSF/ANSI/CAN 600 (previously Table D.1) for the tested product. Regardless of chromium species, the total chromium pass/fail criteria shall not be exceeded.

[2] See Section N-1.7

[3] The testing may be waived for a this specific analyte where formulation information indicates that it is not present. In instances where the complete formulation has not been obtained for the material as allowed through Note 1 of 3.2, testing shall include this analyte.

[4] Concrete aggregate sampling is required only if the method for testing for individual concrete components is used. Aggregate sampling is not required if concrete cylinders are tested for the constituents in portland and hydraulic cements.

[5] Aluminum, antimony, arsenic, barium, beryllium, bismuth, cadmium, cerium, cobalt, chromium, cesium, copper, dysprosium, erbium, europium, gallium, gadolinium, germanium, hafnium, indium, lanthanum, lead, lithium, lutetium, manganese, mercury, molybdenum, niobium, neodymium, nickel, palladium, praseodymium, platinum, rubidium, rhenium, rhodium, ruthenium, samarium, selenium, silver, strontium, tantalum, tellurium, thallium, tin, titanium, tungsten, uranium, vanadium, tungsten, ytterbium, zinc, zirconium. Chromium shall be evaluated against the pass/fail criteria of chromium VI as a screening level. If the normalized result exceeds this criteria, the sample shall be tested according to the method described in Section N-1.7.3 and shall be evaluated against the pass/fail criteria listed in Table 4.1 of NSF/ANSI/CAN 600 (previously Table D.1) for the tested product. Regardless of chromium species, the total chromium pass/fail criteria shall not be exceeded.

[6] *tert*-Butyl alcohol analysis is required for PEX materials except those crosslinked via e-beam methodology.

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

[8] The analysis for antimony is required when antimony-based stabilizers are used.

[9] The level of RVCM within the walls of PVC or CPVC products and materials shall be directly determined (Section N-1.7).

[10] The analysis for phthalates is required when phthalate ester plasticizers are used. Analysis shall be for the specific phthalate ester(s) used in the formulation.

[11] The analysis for zinc is required when zinc-based stablilizers are used.

[12] Analysis for n-nitrosodimethylamine, n-nitrosomethylethylamine, n-nitrosodiethylamine, n-nitrosodi-n-propylamine, n-nitrosopyrrolidine, n-nitrosomorpholine, n-nitrosopiperidine, n-nitrosodi-n-butylamine and n-nitrosodiphenylamine are required when material is sulfur cured.

[13] Analysis shall be performed using liquid chromatography with ultraviolet detection (LC/UV).

Table 3.1
Material-specific analyses

Material type	Required analyses
[14] Analysis shall be performed for the specific solvent and reactive diluent additives used in the individual product formulation, such as benzyl alcohol.	
[15] Analysis shall be performed for residual concentrations of the specific ester monomers used in the individual product formulation.	
[16] Glycol and ethanolamine analyses shall be performed on cements containing these compounds as grinding aids.	

Rationale: Added per 2022 DWA-SC JC meeting discussion (12/1/23). During the 2020 DWA Joint Committee meeting, a task group was formed to identify best practices for cement mortar cube sample preparation used for testing cementitious materials under section 5. Such products often exceed health-based criteria for cesium (Cs). During the course of the task group discussions, it was noted that although cementitious products frequently leach Cesium at levels than exceed health-based criteria, the minimum test battery for these materials under Table 3.1 does not include cesium as a required analysis. Because of this, cesium is not directly analyzed by all certification laboratories. Therefore, the cesium task group voted to recommend the addition of Cesium to Table 3.1 for cementitious materials (concrete and Portland and hydraulic cements) within Table 3.1.

UL 294, Standard for Access Control System Units

1. Proposed Eighth Edition of ANSI/UL 294, Standard for Safety for Access Control System Units

PROPOSAL

Table 8.1
Summarized levels of access control components

Feature	Level I	Level II	Level III	Level IV
Destructive attack	No attack test	Withstand attack test for 2 minutes	Withstand attack test for 5 minutes or generate an audible alarm in 2 minutes	Withstand attack test for 5 minutes, generate an audible alarm in 2 minutes which cannot be silenced for 2 minutes
Line security ~~(off premises signaling)~~	No line security	Standard line security	Encrypted line security 128 bit	Encrypted line security 256 bit
Endurance	1000 cycles	25,000 cycles	50,000 cycles	100,000 cycles
Standby power	No secondary power source	Can maintain normal operation for a minimum of 30 minutes (see 7.18)	Can maintain normal operation for a minimum of 2 hours (see 7.19)	Can maintain normal operation for a minimum of 4 hours (see 7.20)
Single Point Locking Device with Key Locks (see 36.2.2)	No attack test on key lock	Picking, Lock Bumping and Impression tests for key locks from Table 11.1 of the Standard for Key Locks, UL 437	All key lock attack resistance tests from Table 11.1 of the Standard for Key Locks, UL 437	N/A

36.8.1.2 The requirements of Section 36.8 are optional and when equipped with remote access features, the requirements of 36.8 apply. When equipment complies with the requirements in Section 36.8, the system shall be identified for Remote Access. Also see 36.8.1.12.

BSR/UL 2034, Standard for Safety for Single and Multiple Station Carbon Monoxide Alarms

1. Expand scope to include non-dwelling units

PROPOSAL

1.1 These requirements cover electrically operated single and multiple station carbon monoxide (CO) alarms in accordance with the National Fire Alarm and Signaling Code, NFPA 72, or governing laws, codes and standards~~intended for protection in ordinary indoor locations of dwelling units, recreational vehicles, mobile homes, commercial vehicles, and recreational boats with enclosed accomomdation spaces and cockpit areas~~.