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Project Initiation Notification System (PINS)

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

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

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

New Standard

BSR/AHRI Standard 820-202x (SI/I-P), Performance Rating of Ice Storage Bins (new standard)

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

Project Need: This standard applies to factory-made Ice Storage Bins, as defined in Section 3. The project intends to clarify the scope regarding the capacity of ice bins, and to create a single joint-unit SI/I-P document by consolidating AHRI Standard 821 into AHRI Standard 820.

Interest Categories: Component Manufacturer, Consumer/User, General Interest, Product Manufacturer, Testing Laboratory.

Scope: The purpose of this standard is to establish for Ice Storage Bins: definitions; test requirements; rating requirements; minimum data requirements for Published Ratings; marking and nameplate data; and conformance conditions.

ANS (American Nuclear Society)

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

Revision

BSR/ANS 10.4-202x, Verification and Validation of Non-Safety-Related Scientific and Engineering Computer Programs for the Nuclear Industry (revision of ANSI/ANS 10.4-2008 (R2021))

Stakeholders: Developers and users of software for the civilian nuclear industry and Federal nuclear facilities.

Project Need: This standard provides requirements and guidelines for the verification and validation (V&V) of non-safety related scientific analysis and engineering computer programs developed for use by the nuclear industry. The scope is restricted to research, analysis, engineering, and other non-safety related applications. Non-safety related applications are normally understood to be applications that are not used to directly ensure the health and safety of the public nor require approval by some regulatory authority. This standard also excludes computer programs developed for non-safety related digital control systems. Digital control systems are normally used in real-time to provide the surveillance of critical parameters within a given process.

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

Scope: This standard provides requirements and guidelines for the verification and validation (V&V) of non-safety related scientific analysis and engineering computer programs developed for use by the nuclear industry. The scope is restricted to research, analysis, engineering, and other non-safety related applications. This standard also excludes computer programs developed for non-safety related digital control systems.

ASTM (ASTM International)

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

Revision

BSR/ASTM E603-202x, Guide for Room Fire Experiments (revision of ANSI/ASTM E603-2017)

Stakeholders: Smoke and Combustion Products Industries.

Project Need: This guide provides assistance for planning room fire tests. The object of each experiment is to evaluate the role of a material, product, or system in the fire growth within one or more compartments.

Interest Categories: Producer, User, General Interest.

Scope: This guide addresses means of conducting full-scale fire experiments that evaluate the fire-test-response characteristics of materials, products, or assemblies under actual fire conditions.

ASTM (ASTM International)

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

New Standard

BSR/ASTM WK84882-201x, New Guide for Standard Guide for Testimony in Seized Drugs Analysis (new standard)

Stakeholders: Criminalistics Industry.

Project Need: This standard provides minimum recommendations for FSPs offering expert testimony regarding seized drug analysis, results, and opinions; it applies to criminal, civil, or regulatory proceedings.

Interest Categories: Producer, User, General Interest.

Scope: This standard covers testimony in criminal, civil or regulatory proceedings by forensic science practitioners (FSPs) regarding the analysis of seized drugs.

AWS (American Welding Society)

Stephen Hedrick <steveh@aws.org> | 8669 NW 36th Street, Suite 130 | Miami, FL 33166-6672 www.aws.org

Revision

BSR/AWS B2.4-202x, Specification for Welding Procedure and Performance Qualification for Thermoplastics (revision of ANSI/AWS B2.4-2023)

Stakeholders: Personnel involved in all aspects of thermoplastic welding.

Project Need: This document is needed for qualification of thermoplastic welding procedures and thermoplastic welders.

Interest Categories: Producer, User, Educator, General Interest.

Scope: This specification provides the requirements for qualification of welding procedure specifications and welders for manual, semiautomatic, mechanized, and automatic welding. The welding processes included are electrofusion, hot gas, socket fusion, butt contact fusion, infrared, extrusion welding, flow fusion welding, and solvent cement welding. Base materials, filler materials, qualification variables, and testing requirements are also included.

AWS (American Welding Society)

Mario Diaz <mdiaz@aws.org> | 8669 NW 36th Street, Suite 130 | Miami, FL 33166-6672 www.aws.org

Revision

BSR/AWS C6.3M/C6.3-202x, Recommended Practices for Friction Stir Welding (revision of ANSI/AWS C6.3M/C6.3-2023)

Stakeholders: Aerospace, Oil and Gas, Auto.

Project Need: Prior to its publication, there was only one AWS standard for friction stir welding and was written for the aerospace industry. This standard is general to other industries.

Interest Categories: General Interest, Educator, Producer, User.

Scope: This Standard provides recommended practices intended to be applicable to all industries for friction stir welding and processing of aluminum and other material and material alloys and addresses design considerations, fabrication, and quality assurance.

CSA (CSA America Standards Inc.)

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

National Adoption

BSR/CSA V602-202x, Railway applications – Rolling stock – Onboard lithium-ion traction batteries (IEC 62928, MOD) (national adoption with modifications of IEC 62928)

Stakeholders: Manufacturers, regulators, operators, and users.

Project Need: In advance of developing the standard, a technical specification will be published and used the basis for the national standard. The development of this standard will support the safe deployment and the use of lithium-ion traction batteries for rolling stock applications as standard does not exist for this application of this technology. Industry stakeholders have confirmed that development of a national standard for the lithium-ion traction batteries rolling stock applications would support technological advancement and deployment.

Interest Categories: Manufacturers, regulators, operators, and users.

Scope: This document applies to onboard lithium-ion traction batteries for railway applications. This document specifies the design, operation parameters, safety recommendations, data exchange, routine and type tests, as well as marking and designation. Battery systems described in this document are used for the energy storage system (ESS) for the traction power of railway vehicles such as hybrid vehicles as defined in IEC 62864-1:2016.

Auxiliary batteries to supply power only to the auxiliary equipment are excluded. Subcomponents within the battery systems, e.g. battery management system (BMS) and battery thermal management system (BTMS), are also covered in this document. Power conversion equipment (e.g. chopper, converter, etc.), inductors, capacitors and switchgear are excluded from the scope of this document. General requirements for onboard ESS are described in IEC 62864-1:2016. This document specifies the lithium-ion battery technology but does not prevent the use of battery technologies other than lithium-ion technology for application as traction batteries. A hybrid energy storage system, which uses two or more energy storage technologies combined, e.g. a traction battery and double layer capacitors, is not covered in this document. However, if different technologies of energy storage systems are used on the same railway vehicle and managed independently, each independent energy storage system is covered by its own document.

CTA (Consumer Technology Association)

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

Revision

BSR/CTA 2107-A-202x, The Use of Artificial Intelligence in Health Care: Managing, Characterizing, and Safeguarding Data (revision and redesignation of ANSI/CTA 2107-2022)

Stakeholders: Consumers, manufacturers, and retailers.

Project Need: Update and clarify existing language in CTA 2107.

Interest Categories: User, general interest, producer.

Scope: Project to update CTA-2107 clarifying existing language. To include: Clarifying the use of the term validation. -Relocating some of the text to be more consistent. For example, in section 5.4.1 about training data, there is a requirement for the testing dataset -Consider either removing or re-writing the section in Data Enrichment and Annex C. During the review and edit, consider alignment with the FDA CAD Guidance Document. - Review and update the document for various editorial issues.

CTA (Consumer Technology Association)

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

New Standard

BSR/CTA 2120-202x, Design Requirements for a Label for IoT Device Cybersecurity (new standard)

Stakeholders: Consumers, manufacturers, and retailers.

Project Need: Define a label design for IoT device cybersecurity.

Interest Categories: User, general interest, producer.

Scope: This project will develop a standard consistent with the US national label program that defines a cybersecurity label design.

MHI (Material Handling Industry)

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

Revision

BSR MH24.2-202X, Power-Operated Vertical Carousels and Vertical Lift Modules (revision of ANSI MH24.2-2019)

Stakeholders: Manufacturers, users, distributors, integrators, and regulators of power-operated vertical carousels and vertical lift modules and associated material handling equipment.

Project Need: This revision was launched to expand guidance for conditions where equipment is installed in higher-seismic areas and other related updates.

Interest Categories: Manufacturer, distributor/integrator, laboratory/researcher, general interest (no regulator).

Scope: This standard provides guidance for designers, manufacturers, sellers, installers, users, and governing bodies associated with power-operated vertical carousels and vertical lift modules. The scope presumes that the power-operated vertical carousels and vertical lift modules would be installed and operated indoors in an environment that does not contribute to hazards. When evaluating hazards, considerations for environmental or external factors should be considered.

MHI (Material Handling Industry)

Patrick Davison <pdavison@mhi.org> | 8720 Red Oak Boulevard, Suite 201 | Charlotte, NC 28217 · www.mhi.org

Revision

BSR/MHI ICWM-202x, Vocabulary, Performance, and Testing Requirements for Casters and Wheels (revision of ANSI/MHI ICWM-2018)

Stakeholders: Manufacturers, distributors, and users of casters and related material handling equipment.

Project Need: Update and revise existing standard.

Interest Categories: Manufacturer, distributor, user, government, laboratory/researcher, general interest.

Scope: This standard provides manufacturers, specifiers and users with a common basis for evaluating the safety, durability, structural adequacy, and technical requirements for group-specific casters and wheels. The standard defines industry terms, specific tests, equipment/methods that can be used, the conditions of tests, and minimum acceptance levels to be used in evaluating these products.

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 12, 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 12, 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 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>

ULSE (UL Standards & Engagement)

47173 Benicia Street, Fremont, CA 94538 | Derrick.L.Martin@ul.org, <https://ulse.org/>

Revision

BSR/UL 746D-202x, Standard for Polymeric Materials - Fabricated Parts (revision of ANSI/UL 746D-2022)

This proposal covers: 1. Clarification of Long Term Thermal Aging and UV/Water Immersion Requirements for Mechanical Recycle Addition in Plastic Materials in Sections 10.2 and 10.3 2. Addition of References to Alternate Short-Term Thermal Tests to Figure 10.1 3. Removal of Quality Management System Requirement from Paragraph 10.4

[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)

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

Revision

BSR/UL 1072-202x, Standard for Safety for Medium-Voltage Power Cables (revision of ANSI/UL 1072-2020)

The following topic is being recirculated: (1) Alignment of insulation thicknesses

[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: March 27, 2023

AAFS (American Academy of Forensic Sciences)

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

New Standard

BSR/ASB BPR 129-202x, Best Practice Recommendations for Internal Validation of Human Short Tandem Repeat Profiling on Capillary Electrophoresis Platforms (new standard)

This document provides best practice recommendations for performing an internal validation of a human short tandem repeat (STR) multiplex kit using capillary electrophoresis (CE). This document is to be used as a companion document to the ASB Standard 39, Standard for Internal Validation of Human Short Tandem Repeat Profiling on Capillary Electrophoresis Platforms.

Single copy price: Free

Obtain an electronic copy from: This is a public comment period for a recirculation. Updated document, redline version, and comments can be viewed on the AAFS Standards Board website at: www.aafs.org/academy-standards-board.

Order from: Document will be provided electronically on AAFS Standards Board website (www.aafs.org/academy-standards-board) free of charge.

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

AAFS (American Academy of Forensic Sciences)

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

New Standard

BSR/ASB Std 039-202x, Standard for Internal Validation of Human Short Tandem Repeat Profiling on Capillary Electrophoresis Platforms (new standard)

This document details requirements for performing an internal validation of a human short tandem repeat (STR) multiplex kit using capillary electrophoresis (CE).

Single copy price: Free

Obtain an electronic copy from: This is a public comment period for a recirculation. Updated document, redline version, and comments can be viewed on the AAFS Standards Board website at: www.aafs.org/academy-standards-board.

Order from: Document will be provided electronically on AAFS Standards Board website (www.aafs.org/academy-standards-board) free of charge.

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

Comment Deadline: March 27, 2023

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

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

Revision

BSR/AHRI Standard 1200-202x (I-P), Performance Rating of Commercial Refrigerated Display Merchandisers and Storage Cabinets (revision of ANSI/AHRI Standard 1200 (I-P)-2013)

This standard applies to the following manufacturers' standard catalog Commercial Refrigerated Display Merchandisers and Storage Cabinets, provided that the cases are equipped and designed to work with electrically driven, direct expansion type systems: Self-contained and Remote Commercial Refrigerated Display Merchandisers and Storage Cabinets as well as Open and Closed Commercial Refrigerated Display Merchandisers.

Single copy price: Free

Obtain an electronic copy from: <https://connect.ahrinet.org/standards-public-review/stdsunderpublicreview>

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

ASA (ASC S3) (Acoustical Society of America)

1305 Walt Whitman Road, Suite 300, Melville, NY 11747 | standards@acousticalsociety.org, www.acousticalsociety.org

National Adoption

BSR S3.55-202x/Part 8/IEC 60318-8-202x, Electroacoustics - Simulators of human head and ear - Part 8: Acoustic coupler for high-frequency measurements of hearing aids and earphones coupled to the ear by means of ear inserts (identical national adoption of IEC 60318-8:2022)

This part of IEC 60318 describes an acoustic coupler for loading a hearing aid or insert earphone with a specified acoustic impedance when testing its acoustic performance, in the frequency range up to 16 kHz. It is suitable for air-conduction hearing aids and earphones, coupled to the ear by means of ear inserts, earmoulds or similar devices.

Single copy price: \$187.00

Obtain an electronic copy from: standards@acousticalsociety.org

Order from: Nancy Blair-DeLeon <standards@acousticalsociety.org>

Send comments (copy psa@ansi.org) to: Nancy Blair-DeLeon <standards@acousticalsociety.org>

Comment Deadline: March 27, 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 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 or 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>

ASTM (ASTM International)

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

New Standard

BSR/ASTM WK80925-202x, Test Method for Determining the Combustion Behavior of Layered Assemblies using a Cone Calorimeter (new standard)

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

Single copy price: Free

Obtain an electronic copy from: accreditation@astm.org

Order from: accreditation@astm.org

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

Comment Deadline: March 27, 2023

ASTM (ASTM International)

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

Revision

BSR/ASTM E84-202x, Test Method for Surface Burning Characteristics of Building Materials (revision of ANSI/ASTM E84-2022)

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

Single copy price: Free

Obtain an electronic copy from: accreditation@astm.org

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ASTM (ASTM International)

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

Revision

BSR/ASTM E119-202x, Test Methods for Fire Tests of Building Construction and Materials (revision of ANSI/ASTM E119-2022)

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

Single copy price: Free

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ASTM (ASTM International)

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

Revision

BSR/ASTM E1354-201x, Test Method for Heat and Visible Smoke Release Rates for Materials and Products Using an Oxygen Consumption Calorimeter (revision of ANSI/ASTM E1354-2022C)

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

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ASTM (ASTM International)

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

Revision

BSR/ASTM E2061-202x, Guide for Fire Hazard Assessment of Rail Transportation Vehicles (revision of ANSI/ASTM E2061-2020)

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

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Comment Deadline: March 27, 2023

ASTM (ASTM International)

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

Revision

BSR/ASTM E2307-202x, Test Method for Determining Fire Resistance of Perimeter Fire Barriers Using Intermediate-Scale, Multi-story Test Apparatus (revision of ANSI/ASTM E2307-2020)

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

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ASTM (ASTM International)

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

Revision

BSR/ASTM E2579-202x, Practice for Specimen Preparation and Mounting of Wood Products to Assess Surface Burning Characteristics (revision of ANSI/ASTM E2579-2021)

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

Single copy price: Free

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ASTM (ASTM International)

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

Revision

BSR/ASTM E2653-202x, Practice for Conducting an Interlaboratory Study to Determine Precision Estimates for a Fire Test Method with Fewer Than Six Participating Laboratories (revision of ANSI/ASTM E2653-2021)

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

Single copy price: Free

Obtain an electronic copy from: accreditation@astm.org

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ASTM (ASTM International)

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

Revision

BSR/ASTM E2688-202x, Practice for Specimen Preparation and Mounting of Tapes to Assess Surface Burning Characteristics (revision of ANSI/ASTM E2688-2018)

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

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Comment Deadline: March 27, 2023

ASTM (ASTM International)

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

Revision

BSR/ASTM E2748-202x, Guide for Fire-Resistance Experiments (revision of ANSI/ASTM E2748-2012A (2017))

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

Single copy price: Free

Obtain an electronic copy from: accreditation@astm.org

Order from: accreditation@astm.org

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

ASTM (ASTM International)

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

Revision

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

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

Single copy price: Free

Obtain an electronic copy from: accreditation@astm.org

Order from: accreditation@astm.org

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

ASTM (ASTM International)

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

Revision

BSR/ASTM F1495-202x, Specification for Combination Oven Electric or Gas Fired (revision of ANSI/ASTM F1495-2020)

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

Single copy price: Free

Obtain an electronic copy from: accreditation@astm.org

Order from: accreditation@astm.org

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

ASTM (ASTM International)

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

Revision

BSR/ASTM F2092-202x, Specification for Convection Oven Gas or Electric (revision of ANSI/ASTM F2092-2014 (2022))

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

Single copy price: Free

Obtain an electronic copy from: accreditation@astm.org

Order from: accreditation@astm.org

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

Comment Deadline: March 27, 2023

AWI (Architectural Woodwork Institute)

46179 Westlake Drive, Suite 120, Potomac Falls, VA 20165-5874 | cdernmyre@awinet.org, www.awinet.org

New Standard

BSR/AWI 0642-202x, Wood Paneling (new standard)

Provide standards and tolerances for the quality and fit of wall and ceiling surface paneling, components, and related interior finishes. Establishing aesthetic and performance standards for wall and ceiling surface paneling composed of solid wood, wood veneer applied to core materials, decorative laminate clad panels, solid surface, and solid phenolic. Includes standards for matching of veneers and panels within building areas.

Single copy price: Free

Obtain an electronic copy from: <http://gotoawi.com/standards/awi0642.html>

Order from: Cheryl Dermmyre <cdernmyre@awinet.org>

Send comments (copy psa@ansi.org) to: <https://forms.gle/FvvXtLjuxJpxBgYWA>

MHI (Material Handling Industry)

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

New Standard

BSR MH29.3-202X, Safety Requirements for Industrial Turntables (new standard)

This standard applies to industrial turntables designed to rotate in the horizontal plane that are activated manually, or by hydraulic, pneumatic, mechanical, or electro-mechanical means. Industrial turntables can be stationary or movable, and manual or powered. They are used to rotate, position, feed, transfer, load, or unload materials only. Industrial turntables are not intended to move personnel. Industrial turntables are available in a range of capacities, sizes, and degrees of rotation.

Single copy price: \$50.00

Obtain an electronic copy from: pdavison@mhi.org

Order from: Patrick Davison <pdavison@mhi.org>

Send comments (copy psa@ansi.org) to: Patrick Davison <pdavison@mhi.org>

MHI (Material Handling Industry)

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

Revision

BSR MH16.1-202X, Design, Testing, and Utilization of Industrial Steel Storage Racks (revision of ANSI MH16.1-2021)

This standard applies to industrial steel storage racks, movable-shelf racks, rack-supported systems, and automated storage and retrieval systems constructed of cold-formed and/or hot-rolled steel structural members. Such rack types also include push-back rack, pallet-flow rack, case-flow rack, pick modules, and rack-supported platforms. This standard is also intended to be applied to the design of the storage rack portion of any rack structure that provides support to the exterior walls and roof, except as noted. It does not apply to other types of racks, such as drive-in or drive-through racks, cantilever racks, portable racks, or to racks made of material other than steel.

Single copy price: \$150.00

Obtain an electronic copy from: pdavison@mhi.org

Order from: Patrick Davison <pdavison@mhi.org>

Send comments (copy psa@ansi.org) to: Patrick Davison <pdavison@mhi.org>

Comment Deadline: March 27, 2023

MHI (Material Handling Industry)

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

Revision

BSR MH26.2-202X, Design, Testing, and Utilization of Industrial Steel Storage Rack Decking (revision of ANSI MH26.2-2017)

This standard is established to provide a guideline for design, testing, fabrication, and utilization of industrial storage rack decking utilized as an accessory for industrial steel storage racks that conform to ANSI MH16.1. Storage rack decking is placed on beams of industrial steel storage racks to create a surface on which to place materials that can be on pallets, in containers, or in some other form. This standard applies to uniformly loaded storage rack decking applications, as well as various concentrated and partially distributed loading conditions common to storage rack applications. Storage rack decking can be fabricated from welded-wire mesh with permanently attached reinforcements, metal bar grating, composite engineered wood, corrugated metal, perforated sheet metal, or other materials that meet the performance requirements for use in storage racks.

Single copy price: \$50.00

Obtain an electronic copy from: pdavison@mhi.org

Order from: Patrick Davison <pdavison@mhi.org>

Send comments (copy psa@ansi.org) to: Patrick Davison <pdavison@mhi.org>

NECA (National Electrical Contractors Association)

1201 Pennsylvania Avenue, Suite 1200, Washington, DC 20004 | Kyle.Krueger@necanet.org, www.neca-neis.org

New Standard

BSR/NECA 91-202x, Recommended Practice for Maintaining Electrical Equipment (new standard)

This Recommended Practice describes quality, performance, and workmanship aspects of general maintenance procedures for operating, servicing, inspecting, testing, maintaining, calibrating, repairing, and reconditioning building electrical systems, equipment, and components and is intended to provide information on how to accomplish maintenance of electrical equipment that aligns with NFPA 70B, Standard for Electrical Equipment Maintenance. This Recommended Practice essentially includes industry-accepted practices and is intended to be used in conjunction with equipment-specific manufacturer instructions.

Single copy price: \$30.00 Members; \$60.00 Nonmembers

Obtain an electronic copy from: <https://neca-neis.org/about-neis/neis-review>

Send comments (copy psa@ansi.org) to: <https://neca-neis.org/about-neis/neis-review>

NEMA (ASC C50) (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900, Rosslyn, VA 22209 | David.Richmond@nema.org, www.nema.org

National Adoption

BSR NEMA 61800-1-202x, Adjustable Speed Drives Electrical Power Drive Systems - Part 1: General Requirements - Rating Specifications for Low Voltage Adjustable Speed DC Power Drive Systems (identical national adoption of IEC 61800-1:2021)

Applies to adjustable speed electric power drive systems intended to feed DC motors from a BDM/CDM connected to line-to-line voltages up to and including 1 kV AC 50 Hz or 60 Hz and/or voltages up to and including 1.5 kV DC input

Single copy price: \$485.00

Obtain an electronic copy from: <https://webstore.ansi.org/standards/bsi/bseniec618002021>

Order from: <https://webstore.ansi.org/standards/bsi/bseniec618002021>

Send comments (copy psa@ansi.org) to: David Richmond <David.Richmond@nema.org>

Comment Deadline: March 27, 2023

NEMA (ASC C50) (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900, Rosslyn, VA 22209 | David.Richmond@nema.org, www.nema.org

National Adoption

BSR NEMA 61800-2-202x, Adjustable speed electrical power drive systems - Part 2: General requirements - Rating specifications for adjustable speed AC power drive systems (identical national adoption of IEC 61800-2:2021)

Applies to adjustable speed electric power drive systems intended to feed AC motors from a BDM or CDM connected to line-to-line voltages up to and including 35 kV AC 50 Hz or 60 Hz and/or voltages up to and including 1,5 kV DC

Single copy price: \$417.00

Obtain an electronic copy from: <https://webstore.ansi.org/standards/iec/iec61800ed2021-2435291>

Order from: <https://webstore.ansi.org/standards/iec/iec61800ed2021-2435291>

Send comments (copy psa@ansi.org) to: David Richmond <David.Richmond@nema.org>

NEMA (ASC C8) (National Electrical Manufacturers Association)

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

Revision

BSR ICEA T-22-294-202x, ICEA Test Procedures for Extended Time-Testing of Wire and Cable Insulations for Service in Wet Locations (revision of ANSI/ICEA T-22-294-2016)

This publication describes procedures for long term testing of extruded wire and cable insulations for service in wet (submerged) locations. It is intended to apply to insulations rated for service up to 2000 volts inclusive. Tests may be conducted on single or multiple wall insulations, using either ac or dc voltage, as applicable.

Single copy price: \$55.00

Obtain an electronic copy from: communication@nema.org

Order from: Khaled Masri <Khaled.Masri@nema.org>

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

Comment Deadline: April 11, 2023

CSA (CSA America Standards Inc.)

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

Reaffirmation

BSR/CSA LNG 4.1-2018 (R202x), Liquefied natural gas (LNG) dispensing systems for natural gas vehicles (NGV) (reaffirmation of ANSI CSA LNG 4.1-2018)

This Standard applies to: a) the mechanical and electrical features of newly manufactured stationary and mobile systems that dispense “cold” or “warm” liquefied natural gas for vehicles where such a system is intended primarily to dispense the fuel directly into the fuel storage container of the vehicle; b) LNG dispensers contained in a single housing; and c) LNG dispensers contained in multiple housings for metering and registering devices, remote electronics, overfill protection, hoses, and fuelling nozzles. Each dispenser may have the capability of independently fuelling more than one vehicle simultaneously. Dispensers covered by this Standard are intended for use with liquefied natural gas, a fluid in the liquid state at cryogenic temperatures that is composed predominantly of methane and that can contain minor quantities of ethane, propane, nitrogen, or other components normally found in natural gas. This Standard does not apply to: a) rail locomotive dispensing systems; b) marine vessel bunkering systems; c) compressed natural gas dispensers; d) fuel management systems or point of sales systems; and e) remote sequencing equipment and other remote equipment not supplied as part of the dispenser. Installation of an LNG dispenser is intended to be in accordance with NFPA 52, or CSA B108, Part 2, as applicable, and the requirements of the authority having jurisdiction (AHJ).

Single copy price: Free

Obtain an electronic copy from: ansi.contact@csagroup.org

Send comments (copy psa@ansi.org) to: David Zimmerman <ansi.contact@csagroup.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.

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 B18.5-2012 (R2023), Round Head Bolts (Inch Series) (reaffirmation of ANSI/ASME B18.5-2012 (R2017)) Final Action Date: 1/30/2023 | **Reaffirmation**

ANSI/ASME B18.21.3-2008 (R2023), Double Coil Helical Spring Lock Washers for Wood Structures (reaffirmation of ANSI/ASME B18.21.3-2008 (R2017)) Final Action Date: 1/30/2023 | **Reaffirmation**

ANSI/ASME BPVC Section XII-2023, Rules for Construction and Continued Service of Transport Tanks (revision of ANSI/ASME BPVC Section XII-2021) Final Action Date: 2/3/2023 | **Revision**

ANSI/ASME B17.1-1967 (S2023), Keys and Keyseats (stabilized maintenance of ANSI/ASME B17.1-1967 (R2017)) Final Action Date: 1/31/2023 | **Stabilized Maintenance**

ANSI/ASME B17.2-1967 (S2023), Woodruff Keys and Keyseats (stabilized maintenance of ANSI/ASME B17.2-1967 (R2017)) Final Action Date: 1/31/2023 | **Stabilized Maintenance**

AWWA (American Water Works Association)

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

ANSI/AWWA B302-2023, Ammonium Sulfate (revision of ANSI/AWWA B302-2016) Final Action Date: 1/31/2023 | **Revision**

ANSI/AWWA B507-2023, Phosphoric Acid (revision of ANSI/AWWA B507-2016) Final Action Date: 1/31/2023 | **Revision**

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

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

INCITS 563-2023, Information technology - Fibre Channel Protocol for SCSI (FCP-5) (new standard) Final Action Date: 2/2/2023 | **New Standard**

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

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

ANSI Z245.2-2023, Standard for Equipment Technology and Operations for Wastes and Recyclable Materials (revision, redesignation and consolidation of ANSI Z245.2-2013, ANSI Z245.21-2013) Final Action Date: 2/3/2023 | **Revision**

Call for Members (ANS Consensus Bodies)

Directly and materially interested parties who wish to participate as a member of an ANSI 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 ANSI consensus bodies and is interested in new members in all membership categories to participate in new work in fiber-optic networks, advanced advertising, 3D television, and other important topics. Of particular interest is membership from the content (program and advertising) provider and user communities.

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

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

ANSI Accredited Standards Developer

DirectTrust - DirectTrust.org, Inc.

DS2021_04 - Information Exchange for Human Service (IX4HS)

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

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

- Healthcare Sector
- Government Sector
- Healthcare Payer Sector
- Information Technology Sector

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

ANSI Accredited Standards Developer

DirectTrust - DirectTrust.org, Inc.

DS2019_02 – Trusted Instant Messaging (TIM+)

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

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

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

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

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

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

BSR/AHRI Standard 820-202x (SI/I-P), Performance Rating of Ice Storage Bins (new standard)

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

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

BSR/AHRI Standard 1200-202x (I-P), Performance Rating of Commercial Refrigerated Display Merchandisers and Storage Cabinets (revision of ANSI/AHRI Standard 1200 (I-P)-2013)

ASA (ASC S3) (Acoustical Society of America)

1305 Walt Whitman Road, Suite 300, Melville, NY 11747 | standards@acousticalsociety.org, www.acousticalsociety.org

BSR S3.55-202x/Part 8/IEC 60318-8-202x, Electroacoustics - Simulators of human head and ear - Part 8: Acoustic coupler for high-frequency measurements of hearing aids and earphones coupled to the ear by means of ear inserts (identical national adoption of IEC 60318-8:2022)

CTA (Consumer Technology Association)

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

BSR/CTA 2107-A-202x, The Use of Artificial Intelligence in Health Care: Managing, Characterizing, and Safeguarding Data (revision and redesignation of ANSI/CTA 2107-2022)

Interest Categories: CTA is seeking new members to join the consensus body to participate in the effort to create CTA-2107. CTA and the R13 Artificial Intelligence Committee are particularly interested in adding new members (called "users" who acquire AI 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 2120-202x, Design Requirements for a Label for IoT Device Cybersecurity (new standard)

Interest Categories: CTA is seeking new members to join the consensus body. CTA and The R14 Cybersecurity and Privacy Management Committee are particularly interested in adding new members (called "users") who develops standards, recommended practices, and technical reports in the area of cybersecurity and privacy management, for developers of connected devices.

MHI (Material Handling Industry)

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

BSR MH24.2-202X, Power-Operated Vertical Carousels and Vertical Lift Modules (revision of ANSI MH24.2-2019)

MHI (Material Handling Industry)

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

BSR/MHI ICWM-202x, Vocabulary, Performance, and Testing Requirements for Casters and Wheels (revision of ANSI/MHI ICWM-2018)

NECA (National Electrical Contractors Association)

1201 Pennsylvania Avenue, Suite 1200, Washington, DC 20004 | Kyle.Krueger@necanet.org, www.neca-neis.org

BSR/NECA 91-202x, Recommended Practice for Maintaining Electrical Equipment (new standard)

American National Standards (ANS) Announcements

Call for Participation

NFPA - National Fire Protection Association

Support for Establishment of a Cybersecurity Advisory Committee - Reply by March 15, 2023

The **National Fire Protection Association (NFPA)** Standards Council is considering the establishment of an advisory committee on cybersecurity. The committee, if established, will consist of interested stakeholders with the goal of providing guidance and expertise across the library of NFPA standards on the topic of cybersecurity. This may include the protection of fire and life safety systems from vulnerability and breaches which can occur without effective cybersecurity measures in place, as well as future cybersecurity issues which arise as technologies expand and develop.

The Standards Council is seeking interest from all organizations and individuals to gauge whether support exists for the establishment of a Cybersecurity advisory committee. If interested in participating, or merely wish to extend your support for the establishment of a Cybersecurity committee, please let us know at stds_admin@nfpa.org by **March 15, 2023**.

American National Standards (ANS) Process

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

Where to find Procedures, Guidance, Interpretations and More...

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

- ANSI Essential Requirements: Due process requirements for American National Standards (always current edition):
www.ansi.org/essentialrequirements
- ANSI Standards Action (weekly public review announcements of proposed ANS and standards developer accreditation applications, listing of recently approved ANS, and proposed revisions to ANS-related procedures):
www.ansi.org/standardsaction
- Accreditation information – for potential developers of American National Standards (ANS):
www.ansi.org/sdoaccreditation
- ANS Procedures, ExSC Interpretations and Guidance (including a slide deck on how to participate in the ANS process and the BSR-9 form):
www.ansi.org/asd
- Lists of ANSI-Accredited Standards Developers (ASDs), Proposed ANS and Approved ANS:
www.ansi.org/asd
- American National Standards Key Steps:
www.ansi.org/anskeysteps
- American National Standards Value:
www.ansi.org/ansvalue
- ANS Web Forms for ANSI-Accredited Standards Developers:
<https://www.ansi.org/portal/psawebforms/>
- Information about standards Incorporated by Reference (IBR):
<https://ibr.ansi.org/>
- ANSI - Education and Training:
www.standardslearn.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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ANS

American Nuclear Society
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Kathryn Murdoch
kmurdoch@ans.org

ASA (ASC S3)

Acoustical Society of America
1305 Walt Whitman Road, Suite 300
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Raegan Ripley
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ASHRAE

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180 Technology Parkway
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ITI (INCITS)

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ISO & IEC Draft International Standards

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

COMMENTS

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

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

ORDERING INSTRUCTIONS

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

ISO Standards

Agricultural food products (TC 34)

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

Aircraft and space vehicles (TC 20)

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

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

Fine Bubble Technology (TC 281)

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

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

Plastics (TC 61)

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

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

ISO/DIS 9854-2.2, Thermoplastics pipes for the transport of fluids - Determination of Charpy impact properties - Part 2: Test conditions for pipes of various materials - 2/9/2023, \$40.00

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

Refrigeration (TC 86)

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

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

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

Sterilization of health care products (TC 198)

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

Textiles (TC 38)

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

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

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

Welding and allied processes (TC 44)

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/IEC JTC 1, Information Technology

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

ISO/IEC DIS 20243-1, Information technology - Open Trusted Technology Provider™ 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 Provider™ Standard (O-TTPS) - Mitigating maliciously tainted and counterfeit products - Part 2: Assessment procedures for the O-TTPS - 4/24/2023, \$112.00

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

94/808/CD, IEC 61810-7-10 ED1: Electrical relays - Tests and Measurements - Part 7-10: Heating, 03/31/2023

Documentation and graphical symbols (TC 3)

3/1606/DPAS, IEC PAS 63485 ED1: Intelligent Information Request and Delivery Specification (iIRDS) - A process model for information architecture, 03/31/2023

Electric cables (TC 20)

20/2089/CDV, IEC 60227-1 ED4: Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V - Part 1: General requirements, 04/28/2023

20/2087/CDV, IEC 60227-3 ED3: Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V - Part 3: Non-sheathed cables for fixed wiring, 04/28/2023

20/2088/CDV, IEC 60227-4 ED3: Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V - Part 4: Sheathed cables for fixed wiring, 04/28/2023

20/2090/CDV, IEC 60227-7 ED2: Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V - Part 7: Flexible cables screened and unscreened with two or more conductors, 04/28/2023

Electric road vehicles and electric industrial trucks (TC 69)

69/877/CD, IEC 63380-2 ED1: Local Charging station management systems and Local Energy Management Systems network connectivity and information exchange - Part 2 Specific Data Model Mapping, 04/28/2023

69/878/CD, IEC 63380-3 ED1: Local Charging station management systems and Local Energy Management Systems network connectivity and information exchange - Part 3 Communication Protocol and Cybersecurity Specific Aspects, 04/28/2023

Electrical apparatus for explosive atmospheres (TC 31)

31/1686/CD, IEC 60079-45 ED1: Explosive atmospheres - Part 45 - Electrical Ignition Systems for Internal Combustion Engines, 03/31/2023

Electrical Energy Storage (EES) Systems (TC 120)

120/304/CDV, IEC 62933-4-4 ED1: Electrical energy storage (EES) systems- Part 4-4: Standard on environmental issues battery-based energy storage systems (BESS) with reused batteries - requirements, 04/28/2023

120/307/CD, IEC TR 62933-4-200 ED1: Electrical Energy Storage (EES) Systems - Part 4-200: Guidance on environmental issues - Greenhouse gas (GHG) emission assessment by electrical energy storage (EES) systems, 03/31/2023

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

48B/3022/CD, IEC 61076-2-101 ED4: Connectors for electronic equipment - Product requirements - Part 2-101: Circular connectors - Detail specification for M12 connectors with screw-locking, 04/28/2023

48B/3024/CD, IEC 61076-2-118 ED1: Circular connectors - Detail specification for free and fixed connectors with bayonet-locking size B12, B17, B23 and B40, for power, signal and data transmission, 04/28/2023

48B/3016/CDV, IEC 63171-1 ED2: Connectors for electrical and electronic equipment - Shielded or unshielded free and fixed connectors for balanced single-pair data transmission with current-carrying capacity - Part 1: Detail specification for 2-way, shielded or unshielded, free and fixed connectors - Mechanical mating information, pin assignment and additional requirements for Type 1 (copper LC style), 04/28/2023

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

104/966/CD, IEC 60721-3-9 ED2: Classification of environmental conditions - Part 3: Classification of groups of environmental parameters and their severities - Section 9: Microclimates inside products, 04/28/2023

104/971/NP, PNW 104-971 ED1: ENVIRONMENTAL TESTING - Part 2-XX: Tests - Test Kf: Salt mist (controlled concentration and relative humidity), 04/28/2023

Evaluation and Qualification of Electrical Insulating Materials and Systems (TC 112)

112/603/CDV, IEC 62631-2-3 ED1: Dielectric and resistive properties of solid insulating materials - Part 2-3: Determination of relative permittivity and dielectric dissipation factor (AC methods) - Contact electrode method for insulating films, 04/28/2023

Fibre optics (TC 86)

86A/2273/CDV, IEC 60794-1-212 ED1: Optical fibre cables - Part 1-212: Generic specification - Basic optical cable test procedures - Environmental test methods - Temperature cycling with cable elements fixed at both ends, Method F12, 04/28/2023

86A/2275/CDV, IEC 60794-1-217 ED1: Optical fibre cables - Part 1-217: Generic specification - Basic optical cable test procedures - Environmental test methods - Cable shrinkage (fibre protrusion), Method F17, 04/28/2023

86A/2276/CDV, IEC 60794-1-307 ED1: Optical fibre cables - Part 1-307: Generic specification - Basic optical cable test procedures - Cable element test methods - Tube kinking, method G7, 04/28/2023

86B/4731/CD, IEC 61300-3-46 ED2: Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-46: Examinations and Measurements - Bore diameter in rectangular ferrules, 03/31/2023

86/610/CDV, IEC 62522 ED2: Calibration of tuneable laser sources, 04/28/2023

86B/4710/CDV, IEC 63267-2-1 ED1: Fibre optic interconnecting devices and passive components - Connector optical interfaces for enhanced macro bend multimode fibres - Part 2-1: Connection parameters of physically contacting 50 m core diameter fibres- non-angled, 04/28/2023

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

115/324/CD, IEC TS 63471 ED1: DC Voltages for HVDC Grids, 03/31/2023

Hydraulic turbines (TC 4)

4/456/FDIS, IEC 63132-5 ED1: Guidance for installation procedures and tolerances of hydroelectric machines - Part 5: Bulb turbines and generators, 03/17/2023

Industrial-process measurement and control (TC 65)

65C/1197/CDV, IEC 61918/AMD2 ED4: Amendment 2 - Industrial communication networks - Installation of communication networks in industrial premises, 04/28/2023

65E/985/CD, IEC 62264-5 ED3: Enterprise-control system integration - Part 5: Business to manufacturing transactions, 04/28/2023

65/977/CD, IEC TR 63283-4 ED1: Industrial-process measurement, control and automation - Smart Manufacturing - Part 4: Recommendations for the usage of new technologies, 04/28/2023

Lamps and related equipment (TC 34)

34A/2328/CDV, IEC 60809/AMD1 ED4: Amendment 1 - Lamps and light sources for road vehicles - Dimensional, electrical and luminous requirements, 04/28/2023

34A/2337/CD, IEC 62868-2-1/AMD1 ED1: Amendment 1 - Organic light emitting diode (OLED) light sources for general lighting - Safety - Part 2-1: Particular requirements - Semi-integrated OLED modules, 04/28/2023

34A/2338/CD, IEC 62868-2-2/AMD1 ED1: Amendment 1 - Organic light emitting diode (OLED) light sources for general lighting - Safety - Part 2-2: Particular requirements - Integrated OLED modules, 04/28/2023

34A/2339/CD, IEC 62868-2-3/AMD1 ED1: Amendment 1 - Organic light emitting diode (OLED) light sources for general lighting - Safety - Part 2-3: Particular requirements - Flexible OLED tiles and panels, 04/28/2023

Laser equipment (TC 76)

76/726A/NP, PNW TS 76-726 ED1: Eye and face protection - Protection against laser radiation - Part 2: Guidance on the selection and use of laser eye and face protection related to ISO 19818-1, 04/21/2023

Maritime navigation and radiocommunication equipment and systems (TC 80)

80/1067/CD, IEC 61108-7 ED1: Maritime navigation and radiocommunication equipment and systems - Global navigation satellite systems (GNSS) - Part 7: Satellite Based Augmentation System (SBAS) L1 - Receiver Equipment - Performance standards, methods of testing and required test results, 03/31/2023

Nuclear instrumentation (TC 45)

45A/1457/CDV, IEC 63351 ED1: Nuclear facilities - Human factors engineering - Application to the design of human machine interfaces, 04/28/2023

Power electronics (TC 22)

22H/307/CD, Replaced by 22H/307A/CD, 03/31/2023

Power transformers (TC 14)

14/1102/NP, PNW 14-1102 ED1: Technical guideline for the Application, Specification, and Testing of Phase-Shifting Transformers, 03/03/2023

Printed Electronics (TC 119)

119/421/DTR, IEC TR 62899-302-5: Equipment - Inkjet - the significant characteristics of Inkjet Printing for Printed Electronics, 03/31/2023

Safety of household and similar electrical appliances (TC 61)

61B/688/CDV, IEC 60335-2-110 ED2: Household and similar electrical appliances - Safety - Part 2-110: Particular requirements for commercial microwave appliances with insertion or contacting applicators, 04/28/2023

61B/686/CDV, IEC 60335-2-25 ED8: Household and similar electrical appliances - Safety - Part 2-25: Particular requirements for microwave ovens, including combination microwave ovens, 04/28/2023

61B/687/CDV, IEC 60335-2-90 ED5: Household and similar electrical appliances - Safety - Part 2-90: Particular requirements for commercial microwave ovens, 04/28/2023

Semiconductor devices (TC 47)

47D/950/CD, IEC 63378-2 ED1: Thermal standardization on semiconductor packages - Part 2: 3D thermal simulation models of discrete semiconductor packages for steady-state analysis, 04/28/2023

Switchgear and Controlgear and Their Assemblies for Low Voltage (TC 121)

121A/549/DTR, IEC TR 63434 ED1: Low voltage switchgear and controlgear - Partial discharge voltages and PD-level in low voltage switchgear and controlgear, 03/31/2023

ISO/IEC JTC 1, Information Technology**(JTC1)**

JTC1-SC41/333/NP, PNW JTC1-SC41-333 ED1: Digital Twin - Reference architecture, 04/28/2023



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

Agricultural food products (TC 34)

[ISO 734:2023](#), Oilseed meals - Determination of oil content - Extraction method with hexane (or light petroleum), \$73.00

Aircraft and space vehicles (TC 20)

[ISO 22009:2023](#), Space environment (natural and artificial) - Model of the Earth's magnetospheric magnetic field, \$111.00

[ISO 24412:2023](#), Space systems - Thermal vacuum environmental testing, \$175.00

Building construction (TC 59)

[ISO 12911:2023](#), Organization and digitization of information about buildings and civil engineering works, including building information modelling (BIM) - Framework for specification of BIM implementation, \$149.00

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

[ISO 20290-5:2023](#), Aggregates for concrete - Test methods for mechanical and physical properties - Part 5: Determination of particle size distribution by sieving method, \$73.00

Dentistry (TC 106)

[ISO 10394:2023](#), Dentistry - Designation system for supernumerary teeth, \$48.00

[ISO 3630-2:2023](#), Dentistry - Endodontic instruments - Part 2: Enlargers, \$111.00

Doors and windows (TC 162)

[ISO 8270:2023](#), Windows and doors - Determination of the resistance to soft and heavy body impact for doors, \$48.00

Equipment for fire protection and fire fighting (TC 21)

[ISO 21805:2023](#), Guidance and recommendations on design, selection and installation of vents to safeguard the structural integrity of enclosures protected by gaseous fire-extinguishing systems, \$200.00

[ISO 14520-1:2023](#), Gaseous fire-extinguishing systems - Physical properties and system design - Part 1: General requirements, \$250.00

Fine ceramics (TC 206)

[ISO 5803:2023](#), Fine ceramics (advanced ceramics, advanced technical ceramics) - Test method for determination of monoclinic phase in zirconia, \$73.00

Fire safety (TC 92)

[ISO 20902-2:2023](#), Fire test procedures for divisional elements that are typically used in oil, gas and petrochemical industries - Part 2: Additional procedures for pipe penetration and cable transit sealing systems, \$111.00

Graphical symbols (TC 145)

[ISO 7001:2023](#), Graphical symbols - Registered public information symbols, \$250.00

Other

[ISO 2418:2023](#), Leather - Chemical, physical, mechanical and fastness tests - Position and preparation of specimens for testing, \$73.00

[ISO 14268:2023](#), Leather - Physical and mechanical tests - Determination of water vapour permeability, \$73.00

Paints and varnishes (TC 35)

[ISO 4618:2023](#), Paints and varnishes - Vocabulary, \$48.00

[ISO 1518-1:2023](#), Paints and varnishes - Determination of scratch resistance - Part 1: Constant-loading method, \$73.00

[ISO 7784-1:2023](#), Paints and varnishes - Determination of resistance to abrasion - Part 1: Method with abrasive-paper covered wheels and rotating test specimen, \$73.00

[ISO 7784-2:2023](#), Paints and varnishes - Determination of resistance to abrasion - Part 2: Method with abrasive rubber wheels and rotating test specimen, \$73.00

[ISO 8130-15:2023](#), Coating powders - Part 15: Rheology, \$73.00

Paper, board and pulps (TC 6)

[ISO 9184-1:2023](#), Paper, board and pulps - Fibre furnish analysis - Part 1: General method, \$73.00

Personal safety - Protective clothing and equipment (TC 94)

[ISO 16976-8:2023](#), Respiratory protective devices - Human factors - Part 8: Ergonomic factors, \$111.00

Plastics (TC 61)

[ISO 5677:2023](#), Testing and characterization of mechanically recycled polypropylene (PP) and polyethylene (PE) for intended use in different plastics processing techniques, \$48.00

[ISO 23930:2023](#), Fibre-reinforced plastic composites - Full-section compressive test for pultruded profiles, \$73.00

[ISO 19095-5:2023](#), Plastics - Evaluation of the adhesion interface performance in plastic-metal assemblies - Part 5: Fracture energy, \$73.00

Pulleys and belts (including veebelts) (TC 41)

[ISO 255:2023](#), Belt drives - Pulleys for V-belts (system based on datum width) - Geometrical inspection of grooves, \$73.00

Road vehicles (TC 22)

[ISO 15031-3:2023](#), Road vehicles - Communication between vehicle and external equipment for emissions-related diagnostics - Part 3: Diagnostic connector and related electrical circuits: Specification and use, \$48.00

[ISO 20766-7:2023](#), Road vehicles - Liquefied petroleum gas (LPG) fuel system components - Part 7: Remotely controlled service valve with excess flow valve, \$73.00

[ISO 20766-8:2023](#), Road vehicles - Liquefied petroleum gas (LPG) fuel system components - Part 8: Fuel pump, \$48.00

[ISO 15500-13:2023](#), Road vehicles - Compressed natural gas (CNG) fuel system components - Part 13: Pressure relief device (PRD), \$111.00

[ISO 15500-21:2023](#), Road vehicles - Compressed natural gas (CNG) fuel system components - Part 21: Discharge line closures, \$48.00

[ISO 20766-15:2023](#), Road vehicles - Liquefied petroleum gas (LPG) fuel system components - Part 15: Excess flow valve, \$48.00

[ISO 20766-21:2023](#), Road vehicles - Liquefied petroleum gas (LPG) fuel system components - Part 21: Pressure and/or temperature sensors, \$48.00

Rolling bearings (TC 4)

[ISO 1206:2023](#), Rolling bearings - Needle roller bearings with machined rings - Boundary dimensions, geometrical product specifications (GPS) and tolerance values, \$149.00

[ISO 3245:2023](#), Rolling bearings - Needle roller bearings with drawn cup and without inner ring - Boundary dimensions, geometrical product specifications (GPS) and tolerance values, \$111.00

Rubber and rubber products (TC 45)

[ISO 23794:2023](#), Rubber, vulcanized or thermoplastic - Abrasion testing - Guidance, \$111.00

Sieves, sieving and other sizing methods (TC 24)

[ISO 21501-4:2018/Amd 1:2023](#), - Amendment 1: Determination of particle size distribution - Single particle light interaction methods - Part 4: Light scattering airborne particle counter for clean spaces - Amendment 1, \$20.00

Solid biofuels (TC 238)

[ISO 5370:2023](#), Solid biofuels - Determination of fines content in pellets, \$111.00

Steel (TC 17)

[ISO 13583-1:2023](#), Centrifugally cast steel and alloy products - Part 1: General testing and tolerances, \$73.00

[ISO 13583-2:2023](#), Centrifugally cast steel and alloy products - Part 2: Heat-resistant materials, \$73.00

(TC 317)

[ISO 31700-1:2023](#), Consumer protection - Privacy by design for consumer goods and services - Part 1: High-level requirements, \$200.00

Textiles (TC 38)

[ISO 22195-1:2023](#), Textiles - Determination of index ingredient from coloured textile - Part 1: Madder, \$73.00

[ISO 22195-2:2023](#), Textiles - Determination of index ingredient from coloured textile - Part 2: Turmeric, \$73.00

Tractors and machinery for agriculture and forestry (TC 23)

[ISO 11684:2023](#), Tractors, machinery for agriculture and forestry, powered lawn and garden equipment - Safety labels - General principles, \$225.00

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

[ISO 8536-2:2023](#), Infusion equipment for medical use - Part 2: Closures for infusion bottles, \$73.00

Water quality (TC 147)

[ISO 23695:2023](#), Water quality - Determination of ammonium nitrogen in water - Small-scale sealed tube method, \$73.00

[ISO 23696-1:2023](#), Water quality - Determination of nitrate in water using small-scale sealed tubes - Part 1: Dimethylphenol colour reaction, \$73.00

[ISO 23696-2:2023](#), Water quality - Determination of nitrate in water using small-scale sealed tubes - Part 2: Chromotropic acid colour reaction, \$73.00

[ISO 23697-1:2023](#), Water quality - Determination of total bound nitrogen (ST-TNb) in water using small-scale sealed tubes - Part 1: Dimethylphenol colour reaction, \$73.00

[ISO 23697-2:2023](#), Water quality - Determination of total bound nitrogen (ST-TNb) in water using small-scale sealed tubes - Part 2: Chromotropic acid colour reaction, \$73.00

ISO Technical Reports

Biological evaluation of medical and dental materials and devices (TC 194)

[ISO/TR 10993-55:2023](#), Biological evaluation of medical devices - Part 55: Interlaboratory study on cytotoxicity, \$149.00

ISO Technical Specifications

Agricultural food products (TC 34)

[ISO/TS 17996:2023](#), Cheese - Determination of rheological properties by uniaxial compression at constant displacement rate, \$111.00

Audit data collection (TC 295)

[ISO/TS 21377:2023](#), Exchange formats for the audit data collection standard: XML and JSON, \$200.00

Mechanical vibration and shock (TC 108)

[ISO/TS 15230-2:2023](#), Mechanical vibration and shock - Coupling forces at the man-machine interface for hand-transmitted vibration - Part 2: Evaluation of coupling forces, \$111.00

Petroleum products and lubricants (TC 28)

[ISO/TS 11007-2:2023](#), Petroleum products and lubricants - Determination of rust-prevention characteristics of lubricating greases - Part 2: Method with water wash-out, \$73.00

ISO/IEC JTC 1, Information Technology

[ISO/IEC 1989:2023](#), Information technology - Programming languages, their environments and system software interfaces - Programming language COBOL, \$250.00

[ISO/IEC 9660:2023](#), Information processing - Volume and file structure of CD-ROM for information interchange, \$225.00

[ISO/IEC 23894:2023](#), Information technology - Artificial intelligence - Guidance on risk management, \$149.00

[ISO/IEC 19566-8:2023](#), Information technologies - JPEG systems - Part 8: JPEG Snack, \$200.00

[ISO/IEC 23220-1:2023](#), Cards and security devices for personal identification - Building blocks for identity management via mobile devices - Part 1: Generic system architectures of mobile eID systems, \$200.00

[ISO/IEC 24751-4:2023](#), Information technology - Individualized adaptability and accessibility in e-learning, education and training - Part 4: Access for all framework for individualized accessibility and registry server application programming interface (API), \$149.00

[ISO/IEC 24760-3:2016/Amd 1:2023](#), - Amendment 1: Information technology - Security techniques - A framework for identity management - Part 3: Practice - Amendment 1: Identity Information Lifecycle processes, \$20.00

[ISO/IEC 18047-63:2023](#), Information technology - Radio frequency identification device conformance test methods - Part 63: Test methods for air interface communications at 860 MHz to 960 MHz, \$250.00

IEC Standards

Capacitors and resistors for electronic equipment (TC 40)

[IEC 60384-20 Ed. 4.0 b:2023](#), Fixed capacitors for use in electronic equipment - Part 20: Sectional specification - Fixed metallized polyphenylene sulfide film dielectric surface mount DC capacitors, \$259.00

[IEC 60384-23 Ed. 3.0 b:2023](#), Fixed capacitors for use in electronic equipment - Part 23: Sectional specification - Fixed metallized polyethylene naphthalate film dielectric surface mount DC capacitors, \$259.00

[S+ IEC 60384-20 Ed. 4.0 en:2023 \(Redline version\)](#), Fixed capacitors for use in electronic equipment - Part 20: Sectional specification - Fixed metallized polyphenylene sulfide film dielectric surface mount DC capacitors, \$338.00

[S+ IEC 60384-23 Ed. 3.0 en:2023 \(Redline version\)](#), Fixed capacitors for use in electronic equipment - Part 23: Sectional specification - Fixed metallized polyethylene naphthalate film dielectric surface mount DC capacitors, \$338.00

Secondary cells and batteries (TC 21)

[IEC 61951-1 Amd.1 Ed. 4.0 b:2023](#), Secondary cells and batteries containing alkaline or other non-acid electrolytes - Secondary sealed cells and batteries for portable applications - Part 1: Nickel-cadmium, \$25.00

[IEC 61951-1 Ed. 4.1 b:2023](#), Secondary cells and batteries containing alkaline or other non-acid electrolytes - Secondary sealed cells and batteries for portable applications - Part 1: Nickel-cadmium, \$443.00

IEC Technical Reports

Documentation and graphical symbols (TC 3)

[IEC/TR 63358-1 Ed. 1.0 en:2023](#), Graphical symbols for diagrams - Part 1: General, qualifying and generic symbols, \$310.00

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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(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 ~~striking through~~ (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 or 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:

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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 or piping for~~ 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 ft³ (20 m³).

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.

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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 *dwelling 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~~ 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~~ fuel-fired appliance.

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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 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)

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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

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- 9.5.1.3.1 Wood Building Components
- 9.5.1.4 Third-Party Multiattribute Certification
- 9.5.2 Life-Cycle Assessment (LCA)
 - 9.5.2.1 LCA Performance Metric
 - 9.5.2.2 Procedure
 - 9.5.2.3 Reporting
- 9.6 Construction and Demolition Waste Management
 - 9.6.1 Diversion
 - 9.6.2 Total Waste
 - 9.6.3 Construction and Demolition Waste Management Plan
- 9.7 Areas for Storage and Collection of Recyclables and Discarded Goods
 - 9.7.1 Recyclables
 - 9.7.2 Reusable Goods
 - 9.7.3 Fluorescent and High-Intensity Discharge (HID) Lamps and Ballasts
 - 9.7.4 Electronics and Batteries
- 9.8 Refrigerants
- 9.9 Mercury Content Levels of Lamps

[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.

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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 an *building product assembly* ~~assembly~~ comprised of multiple components and ready for installation into the *building project* shall be considered a single *building product* ~~product~~. Compliance with 9.4.1 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

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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.*

1. Clarification of Long Term Thermal Aging and UV/Water Immersion Requirements for Mechanical Recycle Addition in Plastic Materials in Sections 10.2 and 10.3

PROPOSAL

Table 10.2
Long-term Property Assessment Evaluation Scenarios for Mechanically Recycled Plastics

Component	Addition to virgin material (virgin resin is replaced with recycle material of same generic)		Deletion (recycle material is replaced with virgin material of same generic)		Change in level of the recycle material (substitute with virgin material of same generic)	
	Absolute (%)	Program code ^a	Absolute (%)	Program code ^a	Normalized (%)	Program code ^a
Post-consumer and/or Post-industrial Recycle with consistent identification	Any	1A, 1E, 1F	Any	1A	Decrease (Any)	1A
					Increase (≤30)	1B
					Increase (>30)	1E, 1F
Post-consumer and/or Post-industrial Recycle with-out consistent identification	Any	1D, 1E, 1F	Any	1C	Decrease (Any)	1C
					Increase (≤30)	1D
					Increase (>30)	1E, 1F

Program Codes^a

1A: Flammability and Identification tests on 3 production batches compares favorably with existing related material.

1B: Flammability, Tensile Strength (TS) or Flexural Strength (FS), Tensile Impact (TI) or Izod Impact (II) or Charpy Impact (CI) and Identification tests on 3 production batches compares favorably with existing related material.

1C: Short-term properties - Tensile Strength (TS) or Flexural Strength (FS), Tensile Impact (TI) or Izod Impact (II) or Charpy Impact (CI), Heat Deflection Temp. (HDT) or Vicat Temp.(VT) or Ball Pressure Temp. (BP), Dielectric Strength (DS), Flammability, Hot Wire Ignition (HWI) or Glow-Wire Ignition Temperature (GWIT) of 3 production batches compares favorably with the existing related material.

1D: Short-term properties - Tensile Strength (TS) or Flexural Strength (FS), Tensile Impact (TI) or Izod Impact (II) or Charpy Impact (CI), Heat Deflection Temp. (HDT) or Vicat Temp.(VT) or Ball Pressure Temp. (BP), Dielectric Strength (DS), Flammability, Hot Wire Ignition (HWI) or Glow-Wire Ignition Temperature (GWIT) of 5 production batches compares favorably with the existing related material.

1E: Two temperature RTI program or 2000 hours one temperature single point RTI program as described in Thermoplastics materials, Section 20.2 of the Standard for Polymeric Materials – Long Term Property Evaluations, UL 746B on one production batch with existing related resin as control.

1F: UV/Water immersion test in representative colors as described in Ultraviolet Light Exposure, Section 25 and Water Exposure and Immersion, Section 26 of the Standard for Polymeric Materials – Use in Electrical Equipment Evaluations on one production batch.

BSR/UL 1072, Standard for Safety for Medium-Voltage Power Cables**1. Alignment of Insulation Thicknesses****PROPOSAL****Table 15.1**

Thicknesses, in mils, of XLPE, DREP, or EP insulation in 5 – 35 kV, shielded single- and multiple-conductor cable and of XLPE, EP, or DREP insulation in 2400 V, nonshielded multiple-conductor cable

Voltage rating of cable (phase-to-phase circuit voltage)	Conductor size (AWG or kcmil)	Insulation thickness (mils)					
		100 percent level ^a		133 percent level ^a		173 percent level ^a	
		Minimum at any point	Maximum at any point	Minimum at any point	Maximum at any point	Minimum at any point	Maximum at any point
2400	8 – 1000	85	120	–	–	–	–
	1001 – 2000	135	170	–	–	–	–
5000	8 – 1000	85	120	85 <u>110^b</u>	120 <u>145^b</u>	135	170
	1001 – 2000	135	170	135	170	135	170
5001 – 8000	6 – 1000	110	145	135	170	165	205
	1001 – 2000	165	205	165	205	210	250
8001 – 15000	2 – 1000	165	205	210	250	245	290
	1001 – 2000	210	250	210	250	245	290
15001 – 25000	1 – 2000	245	290	305	350	400	450
25001 – 28000	1 – 2000	265	310	330	375	425	475 <u>495</u>
28001 – 35000	1/0 – 2000	330	375	400	450 <u>460</u>	555 <u>550</u>	610 <u>630</u>

^a The selection of the cable insulation level to be used is made on the basis of the fault current clearing times and other information as explained in the National Electrical Code (NEC) Table 310.64.

^b 5000 Volts, 133% insulation level utilizing 85 mils minimum point and 120 mils maximum point may alternately be used, when installations or operating conditions dictate this reduced insulation thickness is needed. The corresponding a-c test voltage shall be 18kV when the reduced thickness is used.

Thicknesses, in mm, of XLPE, DREP, or EP insulation in 5 – 35 kV, shielded single- and multiple-conductor cable and of XLPE, EP, or DREP insulation in 2400 V, nonshielded multiple-conductor cable

Voltage rating of cable (phase-to-phase circuit voltage)	Conductor size (AWG or kcmil)	Insulation thickness (mm)					
		100 percent level ^a		133 percent level ^a		173 percent level ^a	
		Minimum at any point	Maximum at any point	Minimum at any point	Maximum at any point	Minimum at any point	Maximum at any point
2400	8 – 1000	2.16	3.05	—	—	—	—
	1001 – 2000	3.43	4.32	—	—	—	—
5000	8 – 1000	2.16	3.05	2.16 <u>2.79</u> ^b	3.05 <u>3.68</u> ^b	3.43	4.32
	1001 – 2000	3.43	4.32	3.43	4.32	3.43	4.32
5001 – 8000	6 – 1000	2.79	3.68	3.43	4.32	4.19	5.21
	1001 – 2000	4.19	5.21	4.19	5.21	5.33	6.35
8001 – 15000	2 – 1000	4.19	5.21	5.33	6.35	6.22	7.37
	1001 – 2000	5.33	6.35	5.33	6.35	6.22	7.37
15001 – 25000	1 – 2000	6.22	7.37	7.75	8.89	10.2	11.4
25001 – 28000	1 – 2000	6.73	7.87	8.38	9.53	10.8	12.4 <u>12.6</u>
28001 – 35000	1/0 – 2000	8.38	9.53	10.2	11.4 <u>11.7</u>	14.4 <u>14.0</u>	15.5 <u>16.0</u>

^a The selection of the cable insulation level to be used is made on the basis of the fault current clearing times and other information as explained in the National Electrical Code (NEC) Table 310.64.

^b 5000 Volts, 133% insulation level utilizing 2.16 mm minimum point and 3.05 mm maximum point may alternatively be used, when installations or operating conditions dictate this reduced insulation thickness is needed. The corresponding a-c test voltage shall be 18 kV when the reduced thickness is used.

Table 56.1
A-C dielectric withstand rms test potential in kilovolts for shielded conductors

Rated circuit voltage phase to phase	Conductor size AWG or kcmil	100 percent insulation level	133 percent insulation level	173 percent insulation level
2001 – 5000	8 – 1000	18	18 <u>23^a</u>	28
	1001 – 2000	28	28	28
5001 – 8000	6 – 1000	23	28	35
	1001 – 2000	35	35	44
8001 – 15000	2 – 1000	35	44	52
	1001 – 2000	44	44	52
15001 – 25000	1 – 2000	52	64	84
25001 – 28000	1 – 2000	56	69	89
28001 – 35000	1/0 – 2000	69	84	116
^a 5000 Volts, 133% insulation level utilizing 85 mils minimum point and 130 mils maximum point shall be tested at 18 kV.				

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