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CONTENTS

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Project Initiation Notification System (PINS)

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

AAMI (Association for the Advancement of Medical Instrumentation)

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

Revision

BSR/AAMI ST58-202x, Chemical sterilization and high-level disinfection in health care facilities (revision of ANSI/AAMI ST58-2013 (R2018))

Stakeholders: Sterilizer manufacturers, medical device manufacturers, testing laboratories, regulatory agencies, sterile processing professionals, health care facilities that perform chemical sterilization, and other entities with material interest in liquid chemical sterilants/high-level disinfectants intended for use in US healthcare facilities.

Project Need: Revision is needed to bring standard up to date with current technology and align with other standards.

Interest Categories: Industry, User, Regulatory, General and Other

This standard provides guidelines for the selection and use of liquid chemical sterilants (LCSs)/high-level disinfectants (HLDs) and gaseous chemical sterilizers that have been cleared for marketing by the U.S. Food and Drug Administration (FDA) for use in hospitals and other health care facilities. These guidelines are intended to assist health care personnel in the safe and effective use of gaseous chemical sterilizing systems, LCSs/HLDs, and associated equipment.

AGMA (American Gear Manufacturers Association)

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

Revision

BSR/AGMA 2116-BXX, Evaluation of Double Flank Testers for Radial Composite Measurement of Gears (revision of ANSI/AGMA 2116-A05 (R2017))

Stakeholders: Manufacturers and users of gears and gearboxes used in the automotive industry.

Project Need: Update standard to reflect current state-of-the art.

Interest Categories: Manufacturers and users.

This standard provides evaluation methods for double flank testers used for radial composite measurement of gears.

AGMA (American Gear Manufacturers Association)

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

Revision

BSR/AGMA 6008-BXX, Specifications for Powder Metallurgy Gears (revision of ANSI/AGMA 6008-A98 (R2017))

Stakeholders: Users and manufacturers of powder metallurgy gears.

Project Need: Update current standard to reflect current state-of-the art.

Interest Categories: Manufacturers and users of powder metallurgy gears.

This standard describes the specification data required to adequately inform the producers of powder metallurgy gears about the gear design features desired by the purchaser.

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

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

Revision

BSR/AHRI Standard 680 (SI/I-P)-202x, Performance Rating of Residential Air Filter Equipment (revision, redesignation and consolidation of ANSI/AHRI Standard 680-2015 (R2023) (I-P) and ANSI/AHRI Standard 681-2015 (R2023) (SI))
Stakeholders: Groups and individuals known to be, or who have indicated that they are, directly and materially affected by the standard, including manufacturers, testers, regulators and trade or professional organizations.

Project Need: Revisions to bring the standard up-to-date with the method of test (MOT) revisions for particle removal efficiency and ozone update references, and to create a joint-unit SI/I-P standard by consolidating AHRI Standard 681 into AHRI Standard 680.

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

This standard applies to factory-made Air Filter Equipment and Air Filter Media, as used in such equipment, for removing particulate matter, when used in environmental conditioning of inhabited spaces in residential facilities. The standard evaluates the “combined” performance of air filter equipment in all aspects: initial resistance, final resistance, particle-size efficiency, and dustholding capacity. This offers both the user and specifier a complete view of the air filter equipment for comparison purposes.

APCO (Association of Public-Safety Communications Officials-International)

Mindy Adams <apcostandards@apcointl.org> | 351 N. Williamson Boulevard | Daytona Beach, FL 32114-1112 www.apcoIntl.org

Revision

BSR/APCO 3.101.4-202X, Core Competencies and Minimum Training Standards for Public Safety Communications Training Officer (CTO) (revision and redesignation of ANSI/APCO 3.101.3-2017)
Stakeholders: Emergency Communications Center personnel, including Public Safety Communication Users, Producers, and those with a General Interest in the core competencies and minimum training standards for Public Safety Telecommunicators.

Project Need: The job of Communications Training Officer (CTO) is one of the most important and influential positions within an Emergency Communications Center (ECC). The work of the CTO directly affects the outcome of training in an industry that plays an important role in the safety of its community and field personnel. This standard endeavors to capture the critical elements of the job and training required to enable CTOs to successfully train Public Safety Telecommunicators of the future.

Interest Categories: Users, Procedures and General Interest

The revision of this standard identifies and updates core competencies and minimum training requirements for individuals trained as Public Safety Communications Training Officers (CTO). This position is typically tasked with on-the-job training of agency employees in the essential duties and tasks of a Public Safety Telecommunicator.

APCO (Association of Public-Safety Communications Officials-International)

Mindy Adams <apcostandards@apcointl.org> | 351 N. Williamson Boulevard | Daytona Beach, FL 32114-1112 www.apcoIntl.org

Revision

BSR/APCO 3.104.3-202X, Core Competencies and Minimum Training Standards for Public Safety Communications Training Coordinator (revision and redesignation of ANSI/APCO 3.104.2-2017)
Stakeholders: Emergency Communications Center personnel, including Public Safety Communication Users, Producers, and those with a General Interest in the core competencies and minimum training standards for Public Safety Telecommunicators.

Project Need: The role of a Public Safety Communications Training Coordinator is critical within an Emergency Communication Center (ECC). It is important that those fulfilling this role are educated on the theories, processes, and best practices for adult learning and training methods.

Interest Categories: Users, Producers, and General Interest

This standard revision identifies the core competencies and minimum training requirements for Public Safety Communications Training Coordinators. This position is typically tasked with the planning, development, coordination, implementation, and administration of training programs within an Emergency Communications Center (ECC).

ASTM (ASTM International)

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

New Standard

BSR/ASTM WK86906-202x, New Specification for Crosslinked Polyethylene/Aluminum/Crosslinked Polyethylene (PEX-AL-PEX) Pressure Pipe Systems for Fuel Gas Applications (new standard)
Stakeholders: Composite Industry

Project Need: It is intended for sizes 32mm and smaller. Specific testing requirements for indoor applications are in line (and in most cases more stringent) with long established ISO and other international standards. Used by manufacturers, specifiers, and purchasers.

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

This specification covers a coextruded crosslinked polyethylene composite pressure pipe with a welded aluminum tube reinforcement between the inner and outer layers.

ASTM (ASTM International)

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

New Standard

BSR/ASTM WK86911-202x, New Practice for Competency-based Workplace Learning Programs (new standard)
Stakeholders: Personnel Certificate Programs Industry

Project Need: This standard practice provides guidance to stakeholders in determining the quality of CWL programs.

Interest Categories: Producer, User, General Interest

This standard practice provides instruction to entities for developing and administering competency-based workplace learning (CWL) programs.

HL7 (Health Level Seven)

Karen Van Hentenryck <Karenvan@HL7.org> | 3300 Washtenaw Avenue, Suite 227 | Ann Arbor, MI 48104 www.hl7.org

Revision

BSR/HL7 FHIR IG SHORTHAND R3-202x, HL7 FHIR® Implementation Guide: FHIR Shorthand, Release 3 (revision and redesignation of ANSI/HL7 FHIR IG SHORTHAND, R2-2022)
Stakeholders: FHIR Implementation Guide Developers

Project Need: FHIR Shorthand is a specification of a domain-specific language (DSL) to allow Implementation Guide authors to define conformance resources (e.g., StructureDefinitions, ValueSets, etc.) and general instances (e.g., examples). This project is a continuation of the prior FHIR Shorthand project to improve the specification by adding new TU features, clarifying existing features, and promoting existing TU features to Normative status.

Interest Categories: Vendors/Manufacturers; Healthcare Providers/Users; Government Agencies/Universities; Payers/Third Party Administrators; Pharmaceuticals; general Interest

FHIR Shorthand (FSH) is a domain-specific language that allows Implementation Guide authors to define conformance resources (e.g., StructureDefinitions, ValueSets, etc.) as well as general instances (e.g., examples). The ballot concerns the syntax and capabilities of FHIR Shorthand including new features since R2. The specification is presented as a FHIR IG. The ballot adds new normative content; however, a certain set of new features are proposed for trial use and are clearly marked as such.

IAPMO (International Association of Plumbing & Mechanical Officials)

Gabriella Davis <gaby.davis@iapmo.org> | 4755 East Philadelphia Street | Ontario, CA 91761-2816 www.iapmo.org

Revision

BSR/IAPMO UPC 1-2027, Uniform Plumbing Code (revision of ANSI/IAPMO UPC 1-2024)
Stakeholders: Manufacturers, users, installers and maintainers, labor, research/standards/testing laboratories, enforcing authorities, consumers, and special experts.

Project Need: Designation of the UPC as an ANS has provided the built industry with uniform plumbing standards resulting in a reduction in training costs, product development costs, and in a price reduction for consumers. This ANS provides consumers with safe and sanitary plumbing systems while allowing latitude for innovation and new technologies. This project is intended to keep the code current.

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

This code provides minimum standards and requirements to safeguard life or limb, health, property, and public welfare by regulating and controlling the design, construction, installation, quality of materials, location, operation, and maintenance or use of plumbing systems. The provisions of this code apply to the erection, installation, alteration, repair, relocation, addition to, use, or maintenance of plumbing systems.

IAPMO (International Association of Plumbing & Mechanical Officials)

Gabriella Davis <gaby.davis@iapmo.org> | 4755 East Philadelphia Street | Ontario, CA 91761-2816 www.iapmo.org

Revision

BSR/IAPMO/UMC 1-2024-202x, Uniform Mechanical Code (revision of ANSI/IAPMO UMC 1-2024)
Stakeholders: Manufacturers, users, installers and maintainers, labor, research/standards/testing laboratories, enforcing authorities, consumers, and special experts.

Project Need: Designation of the UMC as an ANS has provided the built industry with uniform mechanical standards resulting in a reduction in training costs, product development costs, and in price reduction for consumers. This ANS provides consumers with safe mechanical systems while allowing latitude for innovation and new technologies. This project is intended to keep the code current.

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

This code provides minimum standards to safeguard life or limb, health, property and public welfare by regulating and controlling the design, construction, installation, quality of materials, location, operation, and maintenance or use of heating, ventilating, cooling, refrigeration systems, incinerators, and other miscellaneous heat-producing appliances. The provisions of this code apply to the erection, installation, alteration, repair, relocation, replacement, addition to, use or maintenance of mechanical systems.

IEST (Institute of Environmental Sciences and Technology)

Jennifer Sklena <jsklena@iest.org> | 1827 Walden Office Square, Suite 400 | Schaumburg, IL 60173 www.iest.org

National Adoption

BSR/IEST ISO 14644-18-202x, Cleanrooms and associated controlled environments — Part 18: Assessment of suitability of consumables (identical national adoption of ISO 14644-18)
Stakeholders: Anyone involved in the cleanroom industry including manufacturers and users.

Project Need: Customers or users need to have the opportunity to assess a given consumable by matching their intended use requirements with the designed use data of the supplier. This can be supplemented by additional tests. This match of intended use and designed use is addressed as appropriate use. This document is written for suppliers (manufacturers of consumables or distributors) and customers (as users of consumables) to assess the cleanroom suitability of consumables.

Interest Categories: User, Producer, Government, General

Consumables are widely used during preparation and operations in cleanrooms, clean zones or controlled zones to maintain the air or surface cleanliness level in the cleanroom by shielding a contamination source or a vulnerable object or by removing contamination from a surface. For monitoring and testing purposes, consumables can be used for sampling contamination. Consumables need to be carefully selected and appropriately used in order to maintain cleanliness levels and mitigate risk for processes and products. Consumables are used for a limited time only. They do not constitute a part of the final product. This document addresses the suitability assessment of consumables for use in cleanrooms, clean zones, or controlled zones in respect to contamination in air and on surfaces.

NENA (National Emergency Number Association)

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

Reaffirmation

BSR/NENA STA-027.3-2018 (R202x), NENA E9-1-1 PSAP Equipment Standards (reaffirmation of ANSI/NENA STA-027.3 -2018)
Stakeholders: Users, Manufacturers, and Providers of E9-1-1 Customer Premises Equipment (CPE)

Project Need: Reaffirmation of NENA E9-1-1 PSAP Equipment Standards

Interest Categories: User, Producer, General Interest

Reaffirmation of NENA E9-1-1 PSAP Equipment Standards which defines the PSAP equipment requirements intended for use by users, manufacturers, and providers of E9-1-1 Customer Premises Equipment (CPE).

NFPA (National Fire Protection Association)

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

Revision

BSR/NFPA 1857-202x, Standard on Selection, Care, and Maintenance of Protective Ensembles for Technical Rescue Incidents and Wildland Firefighting (revision, redesignation and consolidation of ANSI/NFPA 1855-2018, ANSI/NFPA 1877-2022)
Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authorities, insurance, consumers, special experts, and research and testing.

Project Need: Public interest and need

Interest Categories: Manufacturer (M), User (U, Installer/Maintainer (I/M), Labor (L), Applied Research/Testing Laboratory (R/T), Enforcing Authority (E), Insurance (I), Consumer (C), and Special Expert (SE)
Please refer to the following link https://www.nfpa.org/tcclass for more information about our classifications

1.1 Scope. 1.1.1 This standard shall specify the following requirements:
(1) The minimum selection, care, and maintenance requirements for utility technical rescue protective ensembles, rescue and recovery technical rescue protective ensembles, and the individual ensemble elements, including garments, helmets, gloves, footwear, and interface components that are compliant with NFPA 1951.
(2) The minimum requirements used for selection, care, and maintenance of wildland firefighting protective clothing and equipment, including garments, helmets, gloves, footwear, face/neck shrouds, goggles, chain saw protection, and load-carrying equipment that are compliant with NFPA 1977
1.1.2 This standard shall not apply to protective ensembles or protective clothing that are compliant with NFPA 1971, 1975, 1981, 1982 or NFPA 1991, 1992, 1994. 1.1.3 Nothing herein shall restrict any jurisdiction from exceeding these minimum requirements.

SCTE (Society of Cable Telecommunications Engineers)

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

Revision

BSR/SCTE 160-202x, Specification for Mini F Connector, Male, Pin Type (revision of ANSI/SCTE 160-2018)
Stakeholders: Cable Telecommunications Industry

Project Need: Update to current technology.

Interest Categories: Producer, User, General Interest

The purpose of this document is to specify requirements for indoor male “F” pin type connectors that are used on [SCTE 177] mini coaxial cable in the 75 ohm RF broadband communications industry. All requirements of this document are measured after installation per manufacturer’s instructions of the cable into the connector.

TIA (Telecommunications Industry Association)

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

New Standard

BSR/TIA 455-37-B-202x, Low or High Temperature Bend Test for Fiber Optic Cable (new standard)
Stakeholders: IEC SC86A, ICEA, end-users, assemblers, test laboratories, and manufacturers of optical fiber cables

Project Need: Update standard

Interest Categories: User, Producer and General Interest

Update the test standard, i.e., updating of obsolete references, improvement of some descriptions, restructuring of some (sub)clauses, updating of the comparison with the IEC bend test method, etc.

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: August 13, 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 bf to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2020, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2020)
Definitions are being added for the building product and building product assembly which are included in the approved Section 9.4.1.1 Environmental Product Declarations (EPDs)(Addendum z). This assures that these definitions, which are the same as proposed for Addendum ak (revised in the second public review draft ISC), are included.
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

FM (FM Approvals)

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

Revision

BSR/FM 3260-202x, Energy-Sensing Fire Detectors for Automatic Fire Alarm Signaling (revision of ANSI/FMRC FM 3260-2004 (R2014))
This standard sets performance requirements for radiant energy-sensing fire detectors used for automatic fire alarm signaling for the protection of occupants, building space, structure, area, or object.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Josephine Mahnken <josephine.mahnken@fmapprovals.com>

Comment Deadline: August 13, 2023

ULSE (UL Standards & Engagement)

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

National Adoption

BSR/UL 61215-1-2-202x, Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval - Part 1 -2: Special Requirements for Testing of Thin-Film Cadmium Telluride (CdTe) Based Photovoltaic (PV) Modules (identical national adoption of IEC 61215-1-2 and revision of ANSI/UL 61215-1-2-2021)
1. Updates to include IEC Amendment 1 issued in 2022, with no US National Differences.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/ProposalAvailable

ULSE (UL Standards & Engagement)

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

National Adoption

BSR/UL 61215-1-4-202x, Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval - Part 1 -4: Special Requirements for Testing of Thin-Film Cu(In,Ga)(S,Se)2 Based Photovoltaic (PV) Modules (identical national adoption of IEC 61215-1-4 and revision of ANSI/UL 61215-1-4-2021)
1. Updates to include IEC Amendment 1 issued in 2022, with no US National Differences.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/ProposalAvailable

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 2271-202x, Standard for Safety for Batteries for Use in Light Electric Vehicle (LEV) Applications (revision of ANSI/UL 2271-2018)
2. Modification of normal operation conditions and cycle number during Temperature Test. 3. Clarifications of the scope to better distinguish what is covered under UL/ULC 2271 verses UL/ULC 2580. 4. Functional safety criteria updates.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/ProposalAvailable

Comment Deadline: August 28, 2023

AAMI (Association for the Advancement of Medical Instrumentation)

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

National Adoption

BSR/AAMI/ISO 10993-2-202x, Biological evaluation of medical devices - Part 2: Animal welfare requirements (identical national adoption of ISO 10993-2:2022 and revision of ANSI/AAMI/ISO 10993-2-2006 (R2014))
This document specifies the minimum requirements to be satisfied to ensure and demonstrate that proper provision has been made for the welfare of animals used in animal tests to assess the biocompatibility of materials used in medical devices. It is aimed at those who commission, design, and perform tests or evaluate data from animal tests undertaken to assess the biocompatibility of materials intended for use in medical devices, or that of the medical devices themselves.
Single copy price: $143.00 ($80.00 AAMI Member Price)
Obtain an electronic copy from: https://store.aami.org/s/store#/store/browse/detail/a152E000006j5rsQAA
Send comments (copy psa@ansi.org) to: Chenai Maguwah at cmaguwah@aami.org

AAMI (Association for the Advancement of Medical Instrumentation)

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

National Adoption

BSR/AAMI/ISO 10993-9-202x, Biological evaluation of medical devices - Part 9: Framework for identification and quantification of potential degradation products (identical national adoption of ISO 10993-9:2019 and revision of ANSI/AAMI/ISO 10993-9-1999 (R2014))
This document provides general principles for the systematic evaluation of the potential and observed degradation of medical devices through the design and performance of in vitro degradation studies. Information obtained from these studies can be used in the biological evaluation described in the ISO 10993 series. This document is applicable to both materials designed to degrade in the body as well as materials that are not intended to degrade.
Single copy price: $143.00 ($80.00 AAMI Member Price)
Obtain an electronic copy from: https://store.aami.org/s/store#/store/browse/detail/a152E000006j5rvQAA
Send comments (copy psa@ansi.org) to: Chenai Maguwah at cmaguwah@aami.org

AAMI (Association for the Advancement of Medical Instrumentation)

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National Adoption

BSR/AAMI/ISO 10993-10-202x, Biological evaluation of medical devices - Part 10: Tests for skin sensitization (identical national adoption of ISO 10993-10:2021 and revision of ANSI/AAMI/ISO 10993-10:2010 (R2014))
This document specifies the procedure for the assessment of medical devices and their constituent materials with regard to their potential to induce skin sensitization.
This document includes:
— details of in vivo skin sensitization test procedures;
— key factors for the interpretation of the results.
Single copy price: $266.00 ($149.00 AAMI Member Price)
Obtain an electronic copy from: https://store.aami.org/s/store#/store/browse/detail/a152E000006j5rmQAA
Send comments (copy psa@ansi.org) to: Chenai Maguwah at cmaguwah@aami.org

Comment Deadline: August 28, 2023

AAMI (Association for the Advancement of Medical Instrumentation)

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National Adoption

BSR/AAMI/ISO 10993-12-202x, Biological evaluation of medical devices - Part 12: Sample preparation and reference materials (identical national adoption of ISO 10993-12:2021 and revision of ANSI/AAMI/ISO 10993-12 -2012)
This document specifies requirements and gives guidance on the procedures in the preparation of samples and the selection of reference materials for medical device testing primarily in biological test systems primarily in accordance with one or more parts of the ISO 10993 series. Specifically, this document addresses the following:
— test sample selection;
— selection of representative portions from a medical device;
— test sample preparation;
— experimental controls;
— selection of, and requirements for, reference materials;
— preparation of extracts.
Single copy price: $177.00 ($102.00 AAMI Member Price)
Obtain an electronic copy from: https://store.aami.org/s/store#/store/browse/detail/a152E000006j5rnQAA
Send comments (copy psa@ansi.org) to: Chenai Maguwah at cmaguwah@aami.org

AAMI (Association for the Advancement of Medical Instrumentation)

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

National Adoption

BSR/AAMI/ISO 10993-23-202x, Biological evaluation of medical devices - Part 23: Tests for irritation (identical national adoption of ISO 10993-23:2021)
This document specifies the procedure for the assessment of medical devices and their constituent materials with regard to their potential to produce irritation. The tests are designed to predict and classify the irritation potential of medical devices, materials or their extracts according to ISO 10993-1 and ISO 10993-2.
Single copy price: Free
Obtain an electronic copy from: cmaguwah@aami.org
Send comments (copy psa@ansi.org) to: Chenai Maguwah at cmaguwah@aami.org

AAMI (Association for the Advancement of Medical Instrumentation)

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

National Adoption

BSR/AAMI/ISO 22442-1-202x, Medical devices utilizing animal tissues and their derivatives - Part 1: Application of risk management (identical national adoption of ISO 22442-1:2020 and revision of ANSI/AAMI/ISO 22442-1 -2016)
This document applies to medical devices other than in vitro diagnostic medical devices manufactured utilizing materials of animal origin, which are non-viable or have been rendered non-viable. It specifies, in conjunction with ISO 14971, a procedure to identify the hazards and hazardous situations associated with such devices, to estimate and evaluate the resulting risks, to control these risks, and to monitor the effectiveness of that control. Furthermore, it outlines the decision process for the residual risk acceptability, taking into account the balance of residual risk, as defined in ISO 14971, and expected medical benefit as compared to available alternatives.
Single copy price: $218.00 ($125.00 AAMI Member Price)
Obtain an electronic copy from: https://store.aami.org/s/store#/store/browse/detail/a152E000006j647QAA
Send comments (copy psa@ansi.org) to: Chenai Maguwah at cmaguwah@aami.org

Comment Deadline: August 28, 2023

AAMI (Association for the Advancement of Medical Instrumentation)

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

National Adoption

BSR/AAMI/ISO 22442-2-202x, Medical devices utilizing animal tissues and their derivatives - Part 2: Controls on sourcing, collection and handling (identical national adoption of ISO 22442-2:2020 and revision of ANSI/AAMI/ISO 22442-2-2016)
This document specifies requirements for controls on the sourcing, collection, and handling (which includes storage and transport) of animals and tissues for the manufacture of medical devices utilizing materials of animal origin other than in vitro diagnostic medical devices. It applies where required by the risk management process as described in ISO 22442□1.
Single copy price: $143.00 ($80.00 AAMI Member Price)
Obtain an electronic copy from: https://store.aami.org/s/store#/store/browse/detail/a152E000006j648QAA
Send comments (copy psa@ansi.org) to: Chenai Maguwah at cmaguwah@aami.org

ASA (ASC S12) (Acoustical Society of America)

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

Withdrawal

ANSI/ASA S12.1-1983 (R2020), Standard Guidelines for the Preparation of Standard Procedures to Determine the Noise Emission from Sources (withdrawal of ANSI ASA S12.1-1983 (R2020))
This Standard contains guidelines for the preparation of procedures (standards, test codes, recommended practices, etc.) for determination of noise emission from sources. Included are the general questions that need to be considered during development of a measurement procedure. Guidelines on the following subjects are included: prefatory material, measurement conditions, measurement operations, data reduction, preparation of a test report, and guidelines for the selection of a descriptor for noise emission.
Single copy price: $110.00
Obtain an electronic copy from: standards@acousticalsociety.org
Send comments (copy psa@ansi.org) to: Nancy Blair-DeLeon <standards@acousticalsociety.org>

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

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

Addenda

BSR/ASHRAE/IES Addendum k to ANSI/ASHRAE/IES Standard 100-2018, Energy Efficiency in Existing Buildings (addenda to ANSI/ASHRAE/IES Standard 100-2018)
This addendum aligns the body of the Standard with the new Title, Purpose, and Scope set by Addendum i. Standard 100 will require a building to meet both a gross energy target and a greenhouse gas (GHG) target in order to achieve compliance.
Single copy price: $35.00
Obtain an electronic copy from: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts
Send comments (copy psa@ansi.org) to: Online Comment Database at https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

Comment Deadline: August 28, 2023

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

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

Revision

BSR/ASSP A10.19-202X, Safety Requirements for Pile Installation and Extraction Operations (revision and redesignation of ANSI ASSE A10.19-2017)
This standard establishes safety requirements for the installation and extraction of piles during construction and demolition operations.
Single copy price: $110.00
Obtain an electronic copy from: Tim Fisher at TFisher@ASSP.Org
Send comments (copy psa@ansi.org) to: Same

ATIS (Alliance for Telecommunications Industry Solutions)

1200 G Street NW, Suite 500, Washington, DC 20005 | akarditzas@atis.org, www.atis.org

Revision

BSR/ATIS 1000066-202x, Emergency Telecommunications Service (ETS) Network Element Requirements for IMS-based Next Generation Network (NGN) Phase 2 (revision of ANSI/ATIS 1000066-2016 (R2021))
This standard specifies Emergency Telecommunications Service (ETS) requirements for an Internet Protocol (IP) Multimedia Subsystem (IMS) Core Network for support of Next Generation Network (NGN) Government Emergency Telecommunications Service (GETS) Voice and NGN GETS Video. These requirements further refine the procedures defined in the ETS Phase 1 Network Element Requirements for NGN IMS based Deployments standard [ATIS 1000023.2013]. In addition, OA&M requirements are specified.
Single copy price: $330.00
Obtain an electronic copy from: akarditzas@atis.org
Send comments (copy psa@ansi.org) to: Same

CSA (CSA America Standards Inc.)

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

Revision

BSR Z21.40.4-202x, Performance testing and rating of gas-fired, air-conditioning and heat pump appliances (same as CSA 2.94) (revision of ANSI Z21.40.4-1996 (R2022) and Z21.40.4a-1998 (R2022))
This Standard establishes methods of testing and rating for constant volume and/or variable refrigerant flow gas-fired, heat pumps for space-conditioning performance. These methods apply to factory-made, space-conditioning, unitary heat pumps that use gasoline as the primary fuel. This Standard applies to engine-driven heat pumps, absorption-cycle heat pumps, desiccant-type heat pumps, and other gas-fired heat pumps.
Single copy price: Free
Obtain an electronic copy from: ANSI.CONTACT@CSAGROUP.ORG
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: August 28, 2023

CTA (Consumer Technology Association)

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

New Standard

BSR/CTA 2118-202x, Pure Tone Average Testing Methodology and Reporting Metrics for Consumer Facing Hearing Solutions (new standard)
This document will identify the elements of a standard testing methodology for a consumer facing hearing metric and establish a common vocabulary to describe hearing health for consumer facing hearing solutions, including OTC hearing aids.
Single copy price: Free
Obtain an electronic copy from: standards@cta.tech
Send comments (copy psa@ansi.org) to: Same

ISEA (International Safety Equipment Association)

1101 Wilson Blvd, Suite 1425, Arlington, VA 22209 | hwoehrle@safetyequipment.org, www.safetyequipment.org

Revision

BSR/ISEA 121-202x, Dropped Object Prevention Solutions (revision of ANSI/ISEA 121-2018)
This standard establishes minimum design, performance, testing and labeling requirements for solutions that reduce dropped objects inci-dents in industrial and occupational settings.
Single copy price: Member: Free; Non-member: $50.00
Obtain an electronic copy from: hwoehrle@safetyequipment.org
Send comments (copy psa@ansi.org) to: Same

NEMA (ASC C12) (National Electrical Manufacturers Association)

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

Reaffirmation

BSR C12.18-2006 (R202x), Protocol Specification for ANSI Type 2 Optical Port. (reaffirmation of ANSI C12.18 -2006 (R2015))
This standard details the criteria required for communications between a C12.18 Device and a C12.18 Client via an optical port. The C12.18 Client may be a handheld reader, a portable computer, a master station system, or some other electronic communications device.
Single copy price: $131.00
Obtain an electronic copy from: www.nema.org
Send comments (copy psa@ansi.org) to: Paul Orr <Pau_orr@nema.org>

NEMA (ASC C12) (National Electrical Manufacturers Association)

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

Reaffirmation

BSR C12.21-2006 (R202x), Protocol Specification for Telephone Modem Communication. (reaffirmation of ANSI C12.21-2006 (R2015))
This standard details the criteria required for communications between a C12.21 Device and a C12.21 Client via a modem connected to the switched telephone network. The C12.21 Client could be a laptop or portable computer, a master station system, or some other electronic communications device.
Single copy price: $165.00
Obtain an electronic copy from: www.nema.org
Send comments (copy psa@ansi.org) to: Paul Orr <Pau_orr@nema.org>

Comment Deadline: August 28, 2023

NEMA (ASC C136) (National Electrical Manufacturers Association)

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

Revision

BSR C136.48-202X, Roadway and Area Lighting Equipment - Wireless Networked Lighting Controllers (revision of ANSI C136.48-2018)
This Standard defines the minimum requirements for wireless networked lighting controllers (NLC) intended for use with roadway and area lighting systems.
Single copy price: $69.00
Obtain an electronic copy from: david.richmond@nema.org
Send comments (copy psa@ansi.org) to: Same

NEMA (ASC C8) (National Electrical Manufacturers Association)

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

Reaffirmation

BSR/ICEA S-100-685-2014 (R202x), Standard for Thermoplastic Insulated and Jacketed Telecommunications Station Wire for Indoor/Outdoor Use (reaffirmation of ANSI/ICEA S-100-685-2014)
This Standard covers station wire intended primarily for application on the premises of communications users. The wire is intended for use in transition applications requiring a combination of fire and weather resistance, such as between the point of demarcation (the network interface device/protector) and the telephone termination device within single and multi-family dwellings.
Single copy price: $125.40
Obtain an electronic copy from: communication@nema.org
Send comments (copy psa@ansi.org) to: Same

NEMA (ASC C8) (National Electrical Manufacturers Association)

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

Reaffirmation

BSR/ICEA S-106-703-2018 (R202x), Broadband Aerial Service Wire Aircore, Polyolefin Insulated Conductor (reaffirmation of ANSI/ICEA S-106-703-2018)
This Standard covers material, mechanical and electrical requirements for Broadband Aerial Service Wire (BB-ASW) of $\leq$ 12 pair, intended for use principally in extending a circuit from a broadband distribution cable terminal to a subscriber's network interface device (NID).

Single copy price: $142.00
Obtain an electronic copy from: communication@nema.org
Send comments (copy psa@ansi.org) to: Khaled Masri <Khaled.Masri@nema.org>

Comment Deadline: August 28, 2023

NEMA (ASC C8) (National Electrical Manufacturers Association)

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

Stabilized Maintenance

BSR ICEA S-109-709-2011 (R202x), Standard for Distribution Frame Wire Technical Requirements (stabilized maintenance of ANSI ICEA S-109-709-2011 (R2018))
This Standard covers mechanical and electrical requirements for insulated, copper conductor, wires intended primarily for use as a telecommunications central office distribution frame wire. Depending upon the application, this Standard provides choices for materials.
Single copy price: $100.00
Obtain an electronic copy from: khaled.masri@nema.org
Send comments (copy psa@ansi.org) to: Khaled Masri <Khaled.Masri@nema.org>

NETA (InterNational Electrical Testing Association)

3050 Old Centre Road, Suite 101, Portage, MI 49024 | tbrammer@netaworld.org, www.netaworld.org

Revision

BSR/NETA ECS-2024, NETA Standard for Electrical Commissioning Specifications for Electrical Power Equipment and Systems (revision of ANSI/NETA ECS-2020)
These specifications describe the systematic process of documenting, and placing into service newly installed, or retrofitted electrical power equipment and systems. This document shall be used in conjunction with the most recent edition of the ANSI/NETA ATS Standard for Acceptance Testing Specifications for Electrical Power Equipment and Systems. The individual electrical components shall be subjected to factory and field tests, as required, to validate the individual components.
Single copy price: $495.00
Obtain an electronic copy from: tbrammer@netaworld.org
Send comments (copy psa@ansi.org) to: Tania Brammer <tbrammer@netaworld.org>

NSF (NSF International)

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

Revision

BSR/NSF 50-202x (i204r1), Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and Other Recreational Water Facilities (revision of ANSI/NSF/CAN 50-2021)
This standard covers materials, chemicals, components, products, equipment and systems related to public and residential recreational water facility operation.
Single copy price: Free
Obtain an electronic copy from: https://standards.nsf.org/apps/group_public/download.php/69738/50i204r1%20-%20Safety%20Surface%20Rename%20-%20JC%20memo%20&%20ballot.pdf
Send comments (copy psa@ansi.org) to: Jason Snider <jsnider@nsf.org>

Comment Deadline: August 28, 2023

TIA (Telecommunications Industry Association)

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

Revision

BSR/TIA 570-E-202x, Residential Telecommunications Infrastructure Standard (revision and redesignation of ANSI/TIA 570-D-2018)
Revises this standard as part of the 5-year maintenance requirement and adds relevant updates including, but not limited to, balanced single twisted-pair cabling. This is a Recirculation Ballot soliciting comments against the changes clearly marked in the standard.
Single copy price: $133.00
Obtain an electronic copy from: standards-process@tiaonline.org
Send comments (copy psa@ansi.org) to: Same

TIA (Telecommunications Industry Association)

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

Revision

BSR/TIA 607-E-202x, Generic Telecommunications Bonding and Grounding (Earthing) for Customer Premises (revision and redesignation of ANSI/TIA 607-D-2019, ANSI/TIA 607-D-1-2021)
This Standard specifies requirements for a generic telecommunications bonding and grounding infrastructure and its interconnection to electrical systems and telecommunications systems. This Standard may also be used as a guide for the renovation or retrofit of existing systems. New revision needed to:
- Incorporate content of addendum ANSI/TIA-607-D-1;
- Update references;
- Any other updates.
This is a Recirculation Ballot soliciting comments against the changes clearly marked in the standard.
Single copy price: $174.00
Obtain an electronic copy from: standards-process@tiaonline.org
Send comments (copy psa@ansi.org) to: Same

ULSE (UL Standards & Engagement)

171 Nepean Street, Suite 400, Ottawa, ON K2P 0B4 Canada | laura.werner@ul.org, https://ulse.org/

New Standard

BSR/UL/ULC 2447-202x, Standard for Safety for Containment Sumps, Fittings and Accessories for Flammable and Combustible Liquids (new standard)
This Standard sets forth the minimum requirements for containment sumps, and associated sump fittings and accessories (products) intended for below-grade, at-grade or aboveground use as an enclosure for the housing of, and access to, underground piping, connector piping, and other fueling system components (such as pumps, valves, sensors, wiring, etc.) in addition to temporary containment of typical liquid fuels as identified in this Standard. These products are intended for use in commercial (public) or private (fleet) automotive fueling station applications or similar fuel-dispensing applications, and in piping systems for fuel supply to generators, burners or similar equipment. Some sump fitting or sump accessory products may be optionally evaluated for repair or replacement applications in containment sumps that have been in service.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/ProposalAvailable
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/ProposalAvailable

Comment Deadline: August 28, 2023

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 48-202x, Standard for Safety for Electric Signs (revision of ANSI/UL 48-2022)
This proposal for UL 48 covers: (1) Scope exclusion for mass notification signs; (2) Wet location terminology; (3) Signs shipped without a face; (4) Decorative materials on sign exterior surfaces; (5) Class 2 circuits; (6) Class 2 devices in wet location signs; (7) Disconnect switches; (8) Instant start lampholder ratings; (9) Accessibility of ballasts, transformers, power supplies, and LED drivers; (10) Accessibility of insulated live parts; (11) Bond impedance test; (12) Rebuilt Signs; (13) Section Signs; (14) PV Signs; (15) Mobile Signs; (16) Mounting Test; (17) Temperature Test; (18) Dielectric Voltage Withstand Test; (19) Manufacturing and Production Tests; (20) Marking permanence and use of QR codes and websites for installation instructions; (21) Editorial adjustments; (22) Minimum Equipment Grounding and Bonding Conductor Size; (23) Minimum thickness of mounting surfaces for LED drivers (et al.); (24) Strain Relief; (25) Instructions to specify use of class 2 power source only, when applicable.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/ProposalAvailable
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/ProposalAvailable

ULSE (UL Standards & Engagement)

333 Pfingsten Road, Northbrook, IL 60062-2096 | mitchell.gold@ul.org, https://ulse.org/

Revision

BSR/UL 310-202x, Standard for Safety for Electrical Quick-Connect Terminals (revision of ANSI/UL 310-2014 (R2019))
Proposed tenth edition of the standard for Electrical Quick-Connect Terminals, which includes the following proposals: (a) Dimensions for double-ended test tab; (b) Alternate information means.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/ProposalAvailable
Send comments (copy psa@ansi.org) to: Follow the instructions at the following website to enter comments into the CSDS Work Area: https://csds.ul.com/ProposalAvailable

ULSE (UL Standards & Engagement)

333 Pfingsten Road, Northbrook, IL 60062-2096 | mitchell.gold@ul.org, https://ulse.org/

Revision

BSR/UL 486D-202x, Standard for Safety for Sealed Wire Connector Systems (revision of ANSI/UL 486D-2017)
The proposed new seventh edition of UL 486D including the following: (a) Standard scope clarifications; (b) Revisions to sunlight resistance / salt water immersion; (c) Alternate information means in UL 486D; (d) Addition of other wire types and clarification of testing; (e) Miscellaneous editorial corrections.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/ProposalAvailable
Send comments (copy psa@ansi.org) to: Follow the instructions at the following website to enter comments into the CSDS Work Area: https://csds.ul.com/ProposalAvailable

Comment Deadline: August 28, 2023

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 879-202x, Standard for Safety for Electric Sign Components (revision of ANSI/UL 879-2022)
This proposal for UL 879 covers: (1) Terminology – "Permanent" wiring; (2) Rain Test; (3) Limited power circuit definitions; (4) Secondary Circuits; (5) Dielectric Withstand Test; (6) Polymeric enclosure requirements (replacement of Table 2.4; (7) Relocation of component polymeric material requirements; (8) Installation Instructions; (9) Editorial Corrections; (10) "W" rated flexible cord not required for damp locations.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/ProposalAvailable
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/ProposalAvailable

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 1682-202x, Standard for Safety for Plugs, Receptacles, and Cable Connectors of the Pin and Sleeve Type (revision of ANSI/UL 1682-2022)
This revision of ANSI/UL 1682 expands requirements for Weather-Resistant Receptacles.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/ProposalAvailable
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/ProposalAvailable

Comment Deadline: September 12, 2023

ASME (American Society of Mechanical Engineers)

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

Reaffirmation

BSR/ASME B1.12-1987 (R202x), Class 5 Interfence-Fit Thread (reaffirmation of ANSI/ASME B1.12-1987 (R2018))
This Standard provides dimensional tables for external and internal plastic flow interference-fit (Class 5) threads of modified National thread form in the coarse thread series (NC) in sizes 0.250 in. through 1.500 in
Single copy price: $49.00
Order from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm
Send comments (copy psa@ansi.org) to: Daniel Papert <papertd@asme.org□>

Comment Deadline: September 12, 2023

ASME (American Society of Mechanical Engineers)

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

Reaffirmation

BSR/ASME B1.21-1978 (R202x), Metric Screw Threads: MJ Profile (reaffirmation of ANSI/ASME B1.21M-1997 (R2018) ,)
This Standard establishes the basic triangular profile for the MJ thread form; provides a system of designations; lists the standard series of diameter/pitch combinations for diameters from 1.6 to 200 mm; and specifies limiting dimensions and tolerances.
Single copy price: $49.00
Order from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm
Send comments (copy psa@ansi.org) to: Daniel Papert <papertd@asme.org□>

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

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

National Adoption

INCITS/ISO/IEC 11179-1:2023 [202x], Information technology - Metadata registries (MDR) - Part 1: Framework (identical national adoption of ISO/IEC 11179-1:2023 and revision of INCITS/ISO/IEC 11179-1:2015 [2020])
Provides the means for understanding and associating the individual parts of ISO/IEC 11179 and is the foundation for a conceptual understanding of metadata and metadata registries. This document also describes the relationship of ISO/IEC 11179 to other JTC 1/SC 32 standards, technical specifications and technical reports on metadata. In all parts of ISO/IEC 11179, metadata refers to descriptions of data. It does not contain a general treatment of metadata.
Single copy price: $183.00
Obtain an electronic copy from: http://webstore.ansi.org
Order from: http://webstore.ansi.org
Send comments (copy psa@ansi.org) to: Barbara Bennett <comments@standards.incits.org>

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

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

National Adoption

INCITS/ISO/IEC 11179-3:2023 [202x], Information technology - Metadata registries (MDR) - Part 3: Metamodel for registry common facilities (identical national adoption of ISO/IEC 11179-3:2023 and revision of INCITS/ISO/IEC 11179-3:2013 [R2019])
Specifies the information to be recorded in a metadata registry in the form of a conceptual data model: Clause 5 specifies the approach used to model a metadata registry; Clause 6 specifies the Core Model of the registry, including basic types and classes to be reused in extending the model. The core model defines a generic “registry item”, from which any type of item that needs to registered can be sub-classed; Clause 7 specifies the metamodel for Identification of registry items; Clause 8 specifies the metamodel for Designation and Definition of registry items; Clause 9 specifies the metamodel for Registration of registry items; Clause 10 specifies the metamodel for Classification of registry items; Clause 11 specifies the metamodel for Mapping among registry items.
Single copy price: $263.00
Obtain an electronic copy from: http://webstore.ansi.org
Order from: http://webstore.ansi.org
Send comments (copy psa@ansi.org) to: Barbara Bennett <comments@standards.incits.org>

Comment Deadline: September 12, 2023

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

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

National Adoption

INCITS/ISO/IEC 11179-6:2023 [202x], Information technology - Metadata registries (MDR) - Part 6: Registration (identical national adoption of ISO/IEC 11179-6:2023 and revision of INCITS/ISO/IEC 11179-6:2015 [2020])
Defines the type of information to be specified, the conditions to be met, and the procedure(s) to be followed for each item to be registered in a metadata registry. The requirements and procedures contained herein apply to all types of items specified in ISO/IEC 11179 3, ISO/IEC 11179 31, ISO/IEC 11179 32, ISO/IEC 11179 33, ISO/IEC 11179 35 and those specified in ISO/IEC 19763. Some Registration Authorities can use this document to register and manage locally defined metadata item types that are not defined in ISO/IEC 11179 or ISO/IEC 19763.
Single copy price: $210.00
Obtain an electronic copy from: http://webstore.ansi.org
Order from: http://webstore.ansi.org
Send comments (copy psa@ansi.org) to: Barbara Bennett <comments@standards.incits.org>

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

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

National Adoption

INCITS/ISO/IEC 14776-253:2023 [202x], Information technology - USB Attached SCSI - 3 (UAS-3) (identical national adoption of ISO/IEC 14776-253:2023)
Describes a SCSI transport protocol (see SAM-6) for USB-2 and USB-3 with the following properties: (a) a mechanism to send commands associated with any T10 command standard to a USB device; (b) compliance with SCSI Architecture Model - 6 (e.g., autosense and command queuing); and (c) other capabilities.
Single copy price: $210.00
Obtain an electronic copy from: http://webstore.ansi.org
Order from: http://webstore.ansi.org
Send comments (copy psa@ansi.org) to: Barbara Bennett <comments@standards.incits.org>

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

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

National Adoption

INCITS/ISO/IEC 15408-1:2022 [202x], Information security, cybersecurity and privacy protection - Evaluation criteria for IT security - Part 1: Introduction and general model (identical national adoption of ISO/IEC 15408 -1:2022 and revision of INCITS/ISO/IEC 15408-1:2009 [R2022])
Establishes the general concepts and principles of IT security evaluation and specifies the general model of evaluation given by various parts of the standard which in its entirety is meant to be used as the basis for evaluation of security properties of IT products.
Single copy price: $263.00
Obtain an electronic copy from: http://webstore.ansi.org
Order from: http://webstore.ansi.org
Send comments (copy psa@ansi.org) to: Barbara Bennett <comments@standards.incits.org>

Comment Deadline: September 12, 2023

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

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

National Adoption

INCITS/ISO/IEC 15946-5:2022 [202x], Information security - Cryptographic techniques based on elliptic curves - Part 5: Elliptic curve generation (identical national adoption of ISO/IEC 15946-5:2022 and revision of INCITS/ISO/IEC 15946-5:2009 [R2022])
Defines elliptic curve generation techniques useful for implementing the elliptic curve based mechanisms defined in ISO/IEC 29192 4, ISO/IEC 9796 3, ISO/IEC 11770 3, ISO/IEC 14888 3, ISO/IEC 18033 2 and ISO/IEC 18033 5. This document is applicable to cryptographic techniques based on elliptic curves defined over finite fields of prime power order (including the special cases of prime order and characteristic two).
Single copy price: $183.00
Obtain an electronic copy from: http://webstore.ansi.org
Order from: http://webstore.ansi.org
Send comments (copy psa@ansi.org) to: Barbara Bennett <comments@standards.incits.org>

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

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

National Adoption

INCITS/ISO/IEC 1989:2023 [202x], Information technology - Programming languages, their environments and system software interfaces - Programming language COBOL (identical national adoption of ISO/IEC 1989:2023 and revision of INCITS/ISO/IEC 1989:2014 [R2019])
Specifies the syntax and semantics of COBOL. Its purpose is to promote a high degree of machine independence to permit the use of COBOL on a variety of data processing systems.
Single copy price: $263.00
Obtain an electronic copy from: http://webstore.ansi.org
Order from: http://webstore.ansi.org
Send comments (copy psa@ansi.org) to: Barbara Bennett <comments@standards.incits.org>

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

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

National Adoption

INCITS/ISO/IEC 19772:2020 [202x], Information security - Authenticated encryption (identical national adoption of ISO/IEC 19772:2020 and revision of INCITS/ISO/IEC 19772:2009 [R2019])
Specifies five methods for authenticated encryption, i.e., defined ways of processing a data string with the following security objectives: data confidentiality, i.e., protection against unauthorized disclosure of data; data integrity, i.e., protection that enables the recipient of data to verify that it has not been modified; data origin authentication, i.e., protection that enables the recipient of data to verify the identity of the data originator.
Single copy price: $157.00
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Comment Deadline: September 12, 2023

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National Adoption

INCITS/ISO/IEC 24745:2022 [202x], Information security, cybersecurity and privacy protection - Biometric information protection (identical national adoption of ISO/IEC 24745:2022 and revision of INCITS/ISO/IEC 24745:2011 [R2022])
Covers the protection of biometric information under various requirements for confidentiality, integrity and renewability/revocability during storage and transfer. It also provides requirements and recommendations for the secure and privacy-compliant management and processing of biometric information.
Single copy price: $237.00
Obtain an electronic copy from: http://webstore.ansi.org
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Send comments (copy psa@ansi.org) to: Barbara Bennett <comments@standards.incits.org>

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

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

National Adoption

INCITS/ISO/IEC 27005:2022 [202x], Information security, cybersecurity and privacy protection - Guidance on managing information security risks (identical national adoption of ISO/IEC 27005:2022 and revision of INCITS/ISO/IEC 27005:2018 [2019])
Provides guidance to assist organizations to: fulfill the requirements of ISO/IEC 27001 concerning actions to address information security risks; perform information security risk management activities, specifically information security risk assessment and treatment. This document is applicable to all organizations, regardless of type, size or sector.
Single copy price: $237.00
Obtain an electronic copy from: http://webstore.ansi.org
Order from: http://webstore.ansi.org
Send comments (copy psa@ansi.org) to: Barbara Bennett <comments@standards.incits.org>

Final Actions on American National Standards

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

AAFS (American Academy of Forensic Sciences)

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

ANSI/ASB Std 132-2023, Standard for Population Affinity Estimation in Forensic Anthropology (new standard) Final Action Date: 7/6/2023 | *New Standard*

ASA (ASC S2) (Acoustical Society of America)

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

ANSI/ASA S2.29-2003 (R2023), Guide for the Measurement and Evaluation of Vibration of Machine Shafts on Shipboard Machinery (reaffirmation of ANSI/ASA S2.29-2003 (R2019)) Final Action Date: 7/6/2023 | *Reaffirmation*

ASTM (ASTM International)

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

ANSI/ASTM F3603-2023, Specification for Eye Protectors for Handball (new standard) Final Action Date: 7/1/2023 | *New Standard*

ANSI/ASTM F3654-2023, Test Method for the Non-Subjective Optical Requirement Testing of Plano Protective Eyewear (new standard) Final Action Date: 6/20/2023 | *New Standard*

ANSI/ASTM F1484-2018 (R2023), Test Methods for Performance of Steam Cookers (reaffirmation of ANSI/ASTM F1484 -2018) Final Action Date: 6/20/2023 | *Reaffirmation*

ANSI/ASTM F2093-2018 (R2023), Test Method for Performance of Rack Ovens (reaffirmation of ANSI/ASTM F2093 -2018) Final Action Date: 6/20/2023 | *Reaffirmation*

ANSI/ASTM F2380-2018 (R2023), Test Method for Performance of Conveyor Toasters (reaffirmation of ANSI/ASTM F2380-2018) Final Action Date: 6/20/2023 | *Reaffirmation*

ANSI/ASTM F2473-2012 (R2023), Test Method for Performance of Water-Bath Rethermalizers (reaffirmation of ANSI/ASTM F2473-2012 (R2018)) Final Action Date: 6/20/2023 | *Reaffirmation*

ANSI/ASTM E2307-2023a, Test Method for Determining Fire Resistance of Perimeter Fire Barriers Using Intermediate-Scale, Multi-story Test Apparatus (revision of ANSI/ASTM E2307-2023) Final Action Date: 7/1/2023 | *Revision*

ANSI/ASTM F2272-2023, Specification for Paintball Markers (revision of ANSI/ASTM F2272-2013 (R2021)) Final Action Date: 6/20/2023 | *Revision*

GBI (Green Building Initiative)

PO Box 80010, Portland, 97280 | emarx@thegbi.org, www.thegbi.org

ANSI/GBI 02-2023, Green Globes Assessment Protocol for Existing Buildings (new standard) Final Action Date: 7/6/2023 | *New Standard*

SCTE (Society of Cable Telecommunications Engineers)

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

ANSI/SCTE 104-2022, Automation System to Compression System Communications Applications Program Interface (API) (revision of ANSI/SCTE 104-2020) Final Action Date: 7/6/2023 | *Revision*

ULSE (UL Standards & Engagement)

333 Pfingsten Road, Northbrook, IL 60062-2096 | madison.lee@ul.org, https://ulse.org/

ANSI/UL 1577-2015 (R2023), Standard for Safety for Optical Isolators (reaffirmation of ANSI/UL 1577-2015 (R2019))
Final Action Date: 7/6/2023 | *Reaffirmation*

Call for Members (ANS Consensus Bodies)

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

ANSI Accredited Standards Developer

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

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

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

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

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

ANSI Accredited Standards Developer

SCTE (Society of Cable Telecommunications Engineers)

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

ANSI Accredited Standards Developer

AHRI - Air-Conditioning, Heating, and Refrigeration Institute

AHRI Consensus Bodies seeking Regulatory Agency Interest Category Representation

· AHRI Applied Consensus Body - Applicable AHRI Standards (an edition is a current ANS or proposed ANS, and is of interest to a Regulatory Agency)
AHRI Standard 1550 (SI/I-P), Performance Rating of Liquid-Chilling and Heat Pump Liquid-Heating Packages Using the Vapor Compression Cycle
AHRI Standard 920 (I-P), Performance Rating of DX-dedicated Outdoor Air System Units
· AHRI Heating Consensus Body - Applicable AHRI Standards
AHRI Standard 1160 (I-P), Performance Rating of Heat Pump Pool Heaters
AHRI Standard 1400, Indirect Fired Water Heater Ratings
AHRI Standard 1500 (SI), Method to Determine Efficiency of Commercial Space Heating Boilers
· AHRI Multi-sector Consensus Body - Applicable AHRI Standard
AHRI Standard 110 (SI/I-P), Air-Conditioning, Heating and Refrigerating Equipment Nameplate Voltages
· AHRI Refrigeration Consensus Body - Applicable AHRI Standards
AHRI Standard 1200 (I-P), Performance Rating of Commercial Refrigerated Display Merchandisers and Storage Cabinets
AHRI Standard 1250 (I-P), Performance Rating of Walk-in Coolers and Freezers
AHRI Standard 810 (SI/I-P), Performance Rating of Automatic Commercial Ice-Makers
· AHRI Unitary Consensus Body - Applicable AHRI Standards
AHRI Standard 310/380 (SI/I-P), Packaged Terminal Air-conditioners and Heat Pumps
AHRI Standard 390 (I-P), Performance Rating of Single Package Vertical Air-conditioners and Heat Pumps
AHRI Standard 1230 (I-P), Performance Rating of Variable Refrigerant Flow (VRF) Multi-split Air-conditioning and Heat Pump Equipment
AHRI Standard 210/240 (I-P), Performance Rating of Unitary Air-conditioning and Air-source Heat Pump Equipment
AHRI Standard 600 (I-P), Standard for Performance Rating of Water/Brine to Air Heat Pump Equipment

Application process: Applicants should send their name, resume, Interest Category, and which AHRI Consensus Body(ies) they are interested in to AHRI_Standards@ahrinet.org. The contact person for questions should be Karl Best kbest@ahrinet.org 703-293-4887. More info: https://www.ahrinet.org/standards/how-participate

AHRI Consensus Bodies are composed of experts, both AHRI members and non-members, who provide the final review and approval to publish an approved AHRI standard as an American National Standard. Each Consensus Body has eight to 12 members. Employment by an AHRI member company is not required for membership in the Consensus Body. A balance of interests is required among the Consensus Body membership. As such, AHRI invites and welcomes participation by a broad range of stakeholder interests, especially those outside of AHRI's membership which is primarily

AAMI (Association for the Advancement of Medical Instrumentation)

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

BSR/AAMI ST58-202x, Chemical sterilization and high-level disinfection in health care facilities (revision of ANSI/AAMI ST58-2013 (R2018))

AAMI (Association for the Advancement of Medical Instrumentation)

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

BSR/AAMI/ISO 10993-2-202x, Biological evaluation of medical devices - Part 2: Animal welfare requirements (identical national adoption of ISO 10993-2:2022 and revision of ANSI/AAMI/ISO 10993-2-2006 (R2014))

AAMI (Association for the Advancement of Medical Instrumentation)

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

BSR/AAMI/ISO 10993-9-202x, Biological evaluation of medical devices - Part 9: Framework for identification and quantification of potential degradation products (identical national adoption of ISO 10993-9:2019 and revision of ANSI/AAMI/ISO 10993-9-1999 (R2014))

AAMI (Association for the Advancement of Medical Instrumentation)

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

BSR/AAMI/ISO 10993-10-202x, Biological evaluation of medical devices - Part 10: Tests for skin sensitization (identical national adoption of ISO 10993-10:2021 and revision of ANSI/AAMI/ISO 10993-10:2010 (R2014))

AAMI (Association for the Advancement of Medical Instrumentation)

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

BSR/AAMI/ISO 10993-12-202x, Biological evaluation of medical devices - Part 12: Sample preparation and reference materials (identical national adoption of ISO 10993-12:2021 and revision of ANSI/AAMI/ISO 10993-12 -2012)

AAMI (Association for the Advancement of Medical Instrumentation)

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

BSR/AAMI/ISO 10993-23-202x, Biological evaluation of medical devices - Part 23: Tests for irritation (identical national adoption of ISO 10993-23:2021)

AAMI (Association for the Advancement of Medical Instrumentation)

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

BSR/AAMI/ISO 22442-1-202x, Medical devices utilizing animal tissues and their derivatives - Part 1: Application of risk management (identical national adoption of ISO 22442-1:2020 and revision of ANSI/AAMI/ISO 22442-1-2016)

AAMI (Association for the Advancement of Medical Instrumentation)

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

BSR/AAMI/ISO 22442-2-202x, Medical devices utilizing animal tissues and their derivatives - Part 2: Controls on sourcing, collection and handling (identical national adoption of ISO 22442-2:2020 and revision of ANSI/AAMI/ISO 22442-2-2016)

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 680 (SI/I-P)-202x, Performance Rating of Residential Air Filter Equipment (revision, redesignation and consolidation of ANSI/AHRI Standard 680-2015 (R2023) (I-P) and ANSI/AHRI Standard 681 -2015 (R2023) (SI))

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

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

BSR/ASSP A10.19-202X, Safety Requirements for Pile Installation and Extraction Operations (revision and redesignation of ANSI ASSE A10.19-2017)

ATIS (Alliance for Telecommunications Industry Solutions)

1200 G Street NW, Suite 500, Washington, DC 20005 | akarditzas@atis.org, www.atis.org

BSR/ATIS 1000066-202x, Emergency Telecommunications Service (ETS) Network Element Requirements for IMS-based Next Generation Network (NGN) Phase 2 (revision of ANSI/ATIS 1000066-2016 (R2021))

CTA (Consumer Technology Association)

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

BSR/CTA 2118-202x, Pure Tone Average Testing Methodology and Reporting Metrics for Consumer Facing Hearing Solutions (new standard)

ISEA (International Safety Equipment Association)

1101 Wilson Blvd, Suite 1425, Arlington, VA 22209 | hwoehrle@safetyequipment.org, www.safetyequipment.org

BSR/ISEA 121-202x, Dropped Object Prevention Solutions (revision of ANSI/ISEA 121-2018)

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

INCITS/ISO/IEC 11179-1:2023 [202x], Information technology - Metadata registries (MDR) - Part 1: Framework (identical national adoption of ISO/IEC 11179-1:2023 and revision of INCITS/ISO/IEC 11179-1:2015 [2020])

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

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

INCITS/ISO/IEC 11179-3:2023 [202x], Information technology - Metadata registries (MDR) - Part 3: Metamodel for registry common facilities (identical national adoption of ISO/IEC 11179-3:2023 and revision of INCITS/ISO/IEC 11179-3:2013 [R2019])

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

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

INCITS/ISO/IEC 11179-6:2023 [202x], Information technology - Metadata registries (MDR) - Part 6: Registration (identical national adoption of ISO/IEC 11179-6:2023 and revision of INCITS/ISO/IEC 11179-6:2015 [2020])

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

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

INCITS/ISO/IEC 14776-253:2023 [202x], Information technology - USB Attached SCSI - 3 (UAS-3) (identical national adoption of ISO/IEC 14776-253:2023)

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

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

INCITS/ISO/IEC 15408-1:2022 [202x], Information security, cybersecurity and privacy protection - Evaluation criteria for IT security - Part 1: Introduction and general model (identical national adoption of ISO/IEC 15408-1:2022 and revision of INCITS/ISO/IEC 15408-1:2009 [R2022])

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

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

INCITS/ISO/IEC 15946-5:2022 [202x], Information security - Cryptographic techniques based on elliptic curves - Part 5: Elliptic curve generation (identical national adoption of ISO/IEC 15946-5:2022 and revision of INCITS/ISO/IEC 15946-5:2009 [R2022])

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

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

INCITS/ISO/IEC 1989:2023 [202x], Information technology - Programming languages, their environments and system software interfaces - Programming language COBOL (identical national adoption of ISO/IEC 1989:2023 and revision of INCITS/ISO/IEC 1989:2014 [R2019])

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

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

INCITS/ISO/IEC 19772:2020 [202x], Information security - Authenticated encryption (identical national adoption of ISO/IEC 19772:2020 and revision of INCITS/ISO/IEC 19772:2009 [R2019])

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

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

INCITS/ISO/IEC 24745:2022 [202x], Information security, cybersecurity and privacy protection - Biometric information protection (identical national adoption of ISO/IEC 24745:2022 and revision of INCITS/ISO/IEC 24745:2011 [R2022])

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

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

INCITS/ISO/IEC 27005:2022 [202x], Information security, cybersecurity and privacy protection - Guidance on managing information security risks (identical national adoption of ISO/IEC 27005:2022 and revision of INCITS/ISO/IEC 27005:2018 [2019])

NEMA (ASC C8) (National Electrical Manufacturers Association)

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

BSR/ICEA S-100-685-2014 (R202x), Standard for Thermoplastic Insulated and Jacketed Telecommunications Station Wire for Indoor/Outdoor Use (reaffirmation of ANSI/ICEA S-100-685-2014)

NEMA (ASC C8) (National Electrical Manufacturers Association)

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

BSR/ICEA S-106-703-2018 (R202x), Broadband Aerial Service Wire Aircore, Polyolefin Insulated Conductor (reaffirmation of ANSI/ICEA S-106-703-2018)

NSF (NSF International)

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

BSR/NSF 50-202x (i204r1), Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and Other Recreational Water Facilities (revision of ANSI/NSF/CAN 50-2021)

TIA (Telecommunications Industry Association)

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

BSR/TIA 455-37-B-202x, Low or High Temperature Bend Test for Fiber Optic Cable (new standard)

TIA (Telecommunications Industry Association)

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

BSR/TIA 570-E-202x, Residential Telecommunications Infrastructure Standard (revision and redesignation of ANSI/TIA 570-D-2018)

TIA (Telecommunications Industry Association)

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

BSR/TIA 607-E-202x, Generic Telecommunications Bonding and Grounding (Earthing) for Customer Premises (revision and redesignation of ANSI/TIA 607-D-2019, ANSI/TIA 607-D-1-2021)

American National Standards (ANS) Process

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

Where to find Procedures, Guidance, Interpretations and More…

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

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

www.ansi.org/essentialrequirements

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

www.ansi.org/standardsaction

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

www.ansi.org/sdoaccreditation

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

www.ansi.org/asd

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

www.ansi.org/asd

• American National Standards Key Steps:

www.ansi.org/anskeysteps

• American National Standards Value:

www.ansi.org/ansvalue

• ANS Web Forms for ANSI-Accredited Standards Developers:

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

• Information about standards Incorporated by Reference (IBR):

https://ibr.ansi.org/

• ANSI - Education and Training:

www.standardslearn.org

American National Standards Under Continuous Maintenance

The ANSI Essential Requirements: Due Process Requirements for American National Standards provides two options for the maintenance of American National Standards (ANS): periodic maintenance (see clause 4.7.1) and continuous maintenance (see clause 4.7.2). Continuous maintenance is defined as follows:

The standard shall be maintained by an accredited standards developer. A documented program for periodic publication of revisions shall be established by the standards developer. Processing of these revisions shall be in accordance with these procedures. The published standard shall include a clear statement of the intent to consider requests for change and information on the submittal of such requests. Procedures shall be established for timely, documented consensus action on each request for change and no portion of the standard shall be excluded from the revision process. In the event that no revisions are issued for a period of four years, action to reaffirm or withdraw the standard shall be taken in accordance with the procedures contained in the ANSI Essential Requirements. The Executive Standards Council (ExSC) has determined that for standards maintained under the Continuous Maintenance option, separate PINS announcements are not required. The following ANSI Accredited Standards Developers have formally registered standards under the Continuous Maintenance option.

AAMI (Association for the Advancement of Medical Instrumentation)

AARST (American Association of Radon Scientists and Technologists)

AGA (American Gas Association)

AGSC (Auto Glass Safety Council)

ASC X9 (Accredited Standards Committee X9, Incorporated)

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

ASME (American Society of Mechanical Engineers)

ASTM (ASTM International)

GBI (Green Building Initiative)

HL7 (Health Level Seven)

Home Innovation (Home Innovation Research Labs)

IES (Illuminating Engineering Society)

ITI (InterNational Committee for Information Technology Standards)

MHI (Material Handling Industry)

NBBPVI (National Board of Boiler and Pressure Vessel Inspectors)

NCPDP (National Council for Prescription Drug Programs)

NEMA (National Electrical Manufacturers Association)

NFRC (National Fenestration Rating Council)

NISO (National Information Standards Organization)

NSF (NSF International)

PRCA (Professional Ropes Course Association)

RESNET (Residential Energy Services Network, Inc.)

SAE (SAE International)

TCNA (Tile Council of North America)

TIA (Telecommunications Industry Association)

TMA (The Monitoring Association)

ULSE (UL Standards & Engagement)

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

ANSI-Accredited Standards Developers (ASD) Contacts

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

AAFS
American Academy of Forensic Sciences
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ASA (ASC S2)
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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 16756, Milk and milk products - Guidance for the application of CPMG pulsed nuclear magnetic resonance (NMR) spectrometry for fat determination - 9/25/2023, $53.00

Corrosion of metals and alloys (TC 156)

ISO 7539-6:2018/DAmd 1, - Amendment 1: Corrosion of metals and alloys - Stress corrosion testing - Part 6: Preparation and use of precracked specimens for tests under constant load or constant displacement - Amendment 1 - 9/24/2023, $29.00

ISO/DIS 8044, Corrosion of metals and alloys - Vocabulary - 9/21/2023, $93.00

ISO/DIS 9812, Corrosion of metals and alloys - Corrosion test method for disinfectant - Spray test method - 9/24/2023, $53.00

ISO/DIS 16701, Corrosion of metals and alloys - Corrosion in artificial atmosphere - Accelerated corrosion test involving exposure under controlled conditions of humidity cycling and intermittent spraying of a salt solution - 9/28/2023, $107.00

Fluid power systems (TC 131)

ISO/DIS 21018-1, Hydraulic fluid power - Monitoring the level of particulate contamination of the fluid - Part 1: General principles - 9/21/2023, $88.00

Gas cylinders (TC 58)

ISO 14245:2021/DAmd 1, - Amendment 1: Gas cylinders - Specifications and testing of LPG cylinder valves - Self-closing - Amendment 1 - 9/21/2023, $53.00

ISO 15995:2021/DAmd 1, - Amendment 1: Gas cylinders - Specifications and testing of LPG cylinder valves - Manually operated - Amendment 1 - 9/21/2023, $53.00

ISO 17871:2020/DAmd 1, - Amendment 1: Gas cylinders - Quick-release cylinder valves - Specification and type testing - Amendment 1 - 9/21/2023, $33.00

Hydrogen energy technologies (TC 197)

ISO/DIS 19887, Gaseous Hydrogen - Fuel system components for hydrogen fuelled vehicles - 9/18/2023, $146.00

ISO/DIS 19880-9, Gaseous hydrogen - Fuelling stations - Part 9: Sampling for fuel quality analysis - 9/21/2023, $112.00

Mechanical testing of metals (TC 164)

ISO/DIS 7801, Metallic materials - Wire - Reverse bend test - 9/25/2023, $46.00

Non-destructive testing (TC 135)

ISO/DIS 18081, Non-destructive testing - Acoustic emission testing (AT) - Leak detection by means of acoustic emission - 9/15/2023, $98.00

Nuclear energy (TC 85)

ISO/DIS 17099, Radiological protection - Performance criteria for laboratories using the cytokinesis block micronucleus (CBMN) assay in peripheral blood lymphocytes for biological dosimetry - 9/21/2023, $107.00

Paints and varnishes (TC 35)

ISO/DIS 2884-1, Paints and varnishes - Determination of viscosity using rotational viscometers - Part 1: Absolute viscosity measurement with cone-plate measuring geometry at high shear rates - 9/28/2023, $40.00

ISO/DIS 2884-2, Paints and varnishes - Determination of viscosity using rotational viscometers - Part 2: Relative measurement of viscosity using disc or ball spindles at specified speeds - 9/28/2023, $40.00

ISO/DIS 4628-3, Paints and varnishes - Evaluation of quantity and size of defects, and of intensity of uniform changes in appearance - Part 3: Assessment of degree of rusting - 9/21/2023, $82.00

ISO/DIS 8504-5, Preparation of steel substrates before application of paints and related products - Surface preparation methods - Part 5: Water Jetting (Water Jet Cleaning) - 9/15/2023, $77.00

Personal safety - Protective clothing and equipment (TC 94)

ISO/DIS 14116, Protective clothing - Protection against flame - Limited flame spread materials, material assemblies and clothing - 9/15/2023, $71.00

ISO/DIS 17491-5, Protective clothing - Test methods for clothing providing protection against chemicals - Part 5: Determination of resistance to penetration by a spray of liquid (manikin spray test) - 9/22/2023, $58.00

Petroleum products and lubricants (TC 28)

ISO/DIS 22854, Liquid petroleum products - Determination of hydrocarbon types and oxygenates in automotive-motor gasoline and in ethanol (E85) automotive fuel - Multidimensional gas chromatography method - 9/23/2023, $88.00

Project committee: Asset management (TC 251)

ISO/DIS 55011, Asset management - Guidance for development of public policy to enable asset management - 9/24/2023, $107.00

Refrigeration (TC 86)

ISO/DIS 5222-2, Heat recovery ventilators and energy recovery ventilators - Testing and calculating methods for seasonal performance factor - Part 2: Sensible cooling recovery seasonal performance factors of heat recovery ventilators - 9/28/2023, $71.00

Security (TC 292)

ISO/DIS 22336, Security and resilience - Organizational resilience - Guidelines for resilience policy and strategy - 9/15/2023, $82.00

Sieves, sieving and other sizing methods (TC 24)

ISO/DIS 19996, Charge conditioning of aerosol particles for particle characterization and the generation of calibration and test aerosols - 9/17/2023, $134.00

Surface chemical analysis (TC 201)

ISO/DIS 5861, Surface chemical analysis - X-ray photoelectron spectroscopy - Method of intensity calibration for quartz-crystal monochromated Al Kα XPS instruments - 9/25/2023, $88.00

Sustainable development in communities (TC 268)

ISO/DIS 37113, Sustainable Cities and Communities - Management guidelines for public health emergency response in smart city operating models - 9/22/2023, $82.00

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

ISO/DIS 8362-2, Injection containers and accessories - Part 2: Closures for injection vials - 9/21/2023, $40.00

Transport information and control systems (TC 204)

ISO/DIS 24311, Intelligent transport systems - Mobility integration - Controlled zone management for UVARs using C-ITS - 9/22/2023, $88.00

Water quality (TC 147)

ISO/DIS 4721, Water quality - Strontium 90 - Test method using ICP/MS - 9/22/2023, $82.00

ISO/DIS 20236, Water quality - Determination of total organic carbon (TOC), dissolved organic carbon (DOC), total bound nitrogen (TN b) and dissolved bound nitrogen (DN b) after high temperature catalytic oxidative combustion - 9/21/2023, $77.00

Water re-use (TC 282)

ISO/DIS 9784, Guidelines for biological filtration of secondary effluent for water reuse - 9/22/2023, $71.00

Welding and allied processes (TC 44)

ISO/DIS 9455-18, Soft soldering fluxes - Test methods - Part 18: Test methods of cleanliness of the soldered printed circuit assemblies before and/or after cleaning - 9/21/2023, $58.00

ISO/IEC JTC 1, Information Technology

ISO/IEC DIS 33202, Software and systems engineering - Core Agile practices - 9/15/2023, $112.00

ISO/IEC DIS 14496-34, Information technology - Coding of audio-visual objects - Part 34: Syntactic description language - 9/21/2023, $77.00

ISO/IEC/IEEE DIS 41062, Software engineering - Life cycle processes - Software acquisition - 9/16/2023, $146.00

IEC Standards

All-or-nothing electrical relays (TC 94)

94/878/CDV, IEC 61810-7-1 ED1: Electrical relays - Tests and Measurements - Part 7-1: Visual inspection and check of dimensions, 09/29/2023

94/886/CDV, IEC 61810-7-18 ED1: Electrical relays - Tests and Measurements - Part 7-18: Thermal resistance of the coil, 09/29/2023

94/881/CDV, IEC 61810-7-20 ED1: Electrical relays - Tests and Measurements - Part 7-20: Mechanical endurance, 09/29/2023

94/887/CDV, IEC 61810-7-22 ED1: Electrical relays - Tests and Measurements - Part 7-22: Limiting continuous current, 09/29/2023

94/888/CDV, IEC 61810-7-24 ED1: Electrical relays - Tests and Measurements - Part 7-24: Load transfer, 09/29/2023

94/882/CDV, IEC 61810-7-25 ED1: Electrical relays - Tests and Measurements - Part 7-25: Magnetic interference, 09/29/2023

94/939/CD, IEC 61810-7-37 ED1: Electrical relays -Tests and Measurements - Part 7-37: Terminal temperature rise at rated load, 09/01/2023

94/879/CDV, IEC 61810-7-4 ED1: Electrical relays - Tests and Measurements Part 7-4: Dielectric strength test, 09/29/2023

94/883/CDV, IEC 61810-7-40 ED1: Electrical relays - Tests and Measurements - Part 7-40: Short circuit testing, 09/29/2023

94/884/CDV, IEC 61810-7-41 ED1: Electrical relays - Tests and Measurements - Part 7-41: Insulation coordination, 09/29/2023

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

100/3970/CD, IEC TR 63239 ED2: Radio frequency beam wireless power transfer (WPT) for mobile devices, 09/29/2023

100/3965/CD, IEC TR 63511 ED1: Remote control and remote assist system in home and local area, 09/29/2023

100/3971/NP, PNW 100-3971 ED1: Terminals for VR/AR/MR - Glossary of terms and definitions, 09/29/2023

Automatic controls for household use (TC 72)

72/1364/CD, IEC 60730-2-24 ED1: Automatic electrical controls- Part 2-24: Particular requirements for displacement sensing controls, 09/29/2023

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

46A/1636/CDV, IEC 61196-13-1 ED1: Coaxial Communication Cables - Part 13-1: Blank detail specification for semi-rigid cables with silicon dioxide dielectric, 09/29/2023

46F/644(F)/FDIS, IEC 63138-2 ED2: Multi-channel radio-frequency connectors - Part 2: Sectional specification for MQ4 series circular connectors, 07/21/2023

46C/1265/NP, PNW 46C-1265 ED1: Hybrid telecommunication cables -Part 2: Indoor hybrid cables -Sectional specification, 09/29/2023

Electrical apparatus for explosive atmospheres (TC 31)

31/1711/CD, IEC 60079-29-0 ED1: Explosive atmospheres - Part 29-0: Gas detectors - General requirements and test methods, and possible supplementary parts., 09/29/2023

Electrical Energy Storage (EES) Systems (TC 120)

120/326/CD, IEC 62933-5-2 ED2: Electrical energy storage (EES) systems - Part 5-2: Safety requirements for grid-integrated EES systems - Electrochemical-based systems, 09/01/2023

Electrical equipment in medical practice (TC 62)

62B/1325/CD, IEC 62563-3 ED1: Medical electrical equipment - Medical image display systems - Part 3: Evaluation methods for colour displays, 09/29/2023

62D/2060/CD, ISO 80601-2-74 ED3: Medical electrical equipment - Part 2-74: Particular requirements for basic safety and essential performance of respiratory humidifying equipment, 09/29/2023

Electrical installations of buildings (TC 64)

64/2628/CDV, IEC 60364-7-712 ED3: Low voltage electrical installations - Part 7-712: Requirements for special installations or locations - Solar photovoltaic (PV) power supply systems, 09/29/2023

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

18/1848/CD, IEC 63462-1 ED1: Maritime battery system - Part 1: Secondary lithium cells and batteries - Safety requirements, 10/27/2023

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

48B/3056/CD, IEC 63171 ED2: Connectors for electrical and electronic equipment - Shielded or unshielded free and fixed connectors for balanced single-pair data transmission with current-carrying capacity - General requirements and tests, 09/29/2023

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

112/613/CD, IEC 60112 ED6: Method for the determination of the proof and the comparative tracking indices of solid insulating materials, 09/01/2023

Fibre optics (TC 86)

86A/2363/CD, IEC 60794-1-124 ED1: Optical fibre cables - Part 1-124: Generic specification - Basic optical cable test procedures - Mechanical tests methods - Installation test for microduct cabling, Method E24, 09/29/2023

86B/4781/CD, IEC 61300-3-52 ED2: Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-52: Examinations and measurements - Guide hole and alignment pin deformation constant for angled physically contacting rectangular ferrules, 09/29/2023

86B/4782/CD, IEC 61753-1 ED3: Fibre optic interconnecting devices and passive components - Performance standard - Part 1: General and guidance, 09/29/2023

86C/1874/CDV, IEC 61757-6-1 ED1: Fibre optic sensors - Part 6 -1: Displacement measurement - Displacement sensors based on fibre Bragg gratings, 09/29/2023

86C/1873/CDV, IEC 61757-7-3 ED1: Fibre optic sensors - Part 7 -3: Voltage measurement - Polarimetric method, 09/29/2023

86C/1880/FDIS, IEC 62148-17 ED2: Fibre optic active components and devices - Package and interface standards - Part 17: Transmitter and receiver components with dual coaxial RF connectors, 08/18/2023

Fuses (TC 32)

32C/615(F)/FDIS, IEC 60127-1 ED3: Miniature fuses - Part 1: Definitions for miniature fuses and general requirements for miniature fuse-links, 07/28/2023

High-voltage testing techniques (TC 42)

42/428/NP, PNW 42-428 ED1: Instruments and software used for measurements in high-voltage and high-current tests - Part 4: Requirements for software for tests with alternating and direct currents and voltages "Proposed Horizontal Standard", 08/04/2023

Industrial-process measurement and control (TC 65)

65E/1021/CDV, IEC 63261 ED1: Representation of electrical & instrument objects in digital 3D plant models during engineering, 09/29/2023

Magnetic components and ferrite materials (TC 51)

51/1441/CDV, IEC 62024-1 ED4: High frequency inductive components - Electrical characteristics and measuring methods - Part 1: Nanohenry range chip inductor, 09/29/2023

Maritime navigation and radiocommunication equipment and systems (TC 80)

80/1074/CDV, 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, 09/29/2023

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

113/781/NP, PNW TS 113-781 ED1: Nanotechnologies -- Structural characterization of graphene -- Part 2: Chemical vapour deposition (CVD) grown graphene, 09/29/2023

113/782/NP, PNW TS 113-782 ED1: Nanotechnologies -- Chemical characterization of graphene in in powders and suspensions, 09/29/2023

113/783/NP, PNW TS 113-783 ED1: Nanotechnologies -- Structural characterization of graphene oxide flakes: thickness and lateral size measurement using AFM and SEM, 09/29/2023

113/784/NP, PNW TS 113-784 ED1: Nanomanufacturing - Key control characteristics - Part 10 2: Nanoelectronic devices - Resistance: conductive probe atomic force microscopy, 09/29/2023

113/785/NP, PNW TS 113-785 ED1: Nanomanufacturing - key control characteristics - Part 10 1: Nanoelectronic devices - Capacitance: scanning microwave microscopy, 09/29/2023

Nuclear instrumentation (TC 45)

45B/1035/CDV, IEC 62463 ED2: Radiation protection instrumentation - X-ray systems for the security screening of persons, 09/29/2023

45B/1036/CDV, IEC 62709 ED2: Radiation protection instrumentation - Security screening of humans - Measuring the imaging performance of X-ray systems, 09/29/2023

45B/1037/CDV, IEC 63391 ED1: General technical requirements for active millimeter-wave systems for security screening of humans, 09/29/2023

Power electronics (TC 22)

22F/738/CD, IEC TR 63368 ED1: Control and protection systems for high-voltage direct current (HVDC) power transmission systems - Off-site real-time simulation testing, 09/01/2023

Power transformers (TC 14)

14/1109/CDV, IEC 60076-4 ED2: Power transformers - Part 4: Guide to the lightning impulse and switching impulse testing - Power transformers and reactors, 09/29/2023

Printed Electronics (TC 119)

119/446A/NP, PNW 119-446 ED1: Future IEC 62899-302-8 ED1: Printed electronics - Part 302-8: Equipment - Inkjet- Drop Size Measurement by Weight Measurement, 09/22/2023

Solar photovoltaic energy systems (TC 82)

82/2168/CD, IEC 61853-2 ED2: Photovoltaic (PV) module performance testing and energy rating - Part 2: Spectral responsivity, incidence angle and module operating temperature measurements, 09/01/2023

Surface mounting technology (TC 91)

91/1874(F)/FDIS, IEC 61189-2-804 ED1: Test methods for electrical materials, printed board and other interconnection structures and assemblies - Part 2-804: Test methods for time to delamination - T260, T288, T300, 08/04/2023

(TC 125)

125/82/CDV, IEC 63281-3-2 ED1: E-Transporters - Part 3-2: Performance test methods for mobility of cargo e-Transporters, 09/29/2023

Wearable electronic devices and technologies (TC 124)

124/223/FDIS, IEC 63203-401-1 ED1: Wearable electronic devices and technologies - Part 401-1: Devices and systems: functional elements - Evaluation method of the stretchable resistive strain sensor, 08/18/2023

124/224/NP, PNW 124-224 ED1: Future IEC 63203-20X-X: Wearable electronic devices and technologies - Part 20X-X: Test method for measuring performance of fabric-based triboelectric nanogenerator, 09/29/2023

124/225/NP, PNW 124-225 ED1: Future IEC 63203-20X-X: Wearable electronic devices and technologies - Part 20X-X: Test method for measuring performance of fabric-based piezoelectric nanogenerator, 09/29/2023

Winding wires (TC 55)

55/2004/CD, IEC 60317-0-1/AMD2 ED4: Amendment 2 - Specifications for particular types of winding wires - Part 0-1: General requirements - Enamelled round copper wire, 09/01/2023

55/2005/CD, IEC 60851-5 ED5: Winding wires - Test methods - Part 5: Electrical properties, 09/01/2023

ISO/IEC JTC 1, Information Technology

(JTC1)

JTC1-SC25/3177/CD, ISO/IEC 15067-3 ED2: Information Technology -- Home Electronic System (HES) application model -- Part 3: Model of an energy management system for HES, 09/01/2023

JTC1-SC41/355/CD, ISO/IEC 30178 ED1: Internet of Things (IoT) - Data format, value and coding, 09/01/2023

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

Bamboo and rattan (TC 296)

ISO 6128:2023, Laminated products made of bamboo strips for indoor furniture purposes - Requirements and test methods, $77.00

Biotechnology (TC 276)

ISO 24421:2023, Biotechnology - Minimum requirements for optical signal measurements in photometric methods for biological samples, $183.00

Dentistry (TC 106)

ISO 3990:2023, Dentistry - Evaluation of antibacterial activity of dental restorative materials, luting materials, fissure sealants and orthodontic bonding or luting materials, $157.00

Fluid power systems (TC 131)

ISO 7241:2023, Hydraulic fluid power - Dimensions and requirements of quick-action couplings, $77.00

Gears (TC 60)

ISO 14635-1:2023, Gears - FZG test procedures - Part 1: FZG test method A/8,3/90 for relative scuffing load-carrying capacity of oils, $116.00

ISO 14635-2:2023, Gears - FZG test procedures - Part 2: FZG step load test A10/16, 6R/120 for relative scuffing load-carrying capacity of high EP oils, $157.00

ISO 14635-3:2023, Gears - FZG test procedures - Part 3: FZG test method A/2,8/50 for relative scuffing load-carrying capacity and wear characteristics of semifluid gear greases, $157.00

Nuclear energy (TC 85)

ISO 20043-2:2023, Measurement of radioactivity in the environment - Guidelines for effective dose assessment using environmental monitoring data - Part 2: Emergency exposure situation, $183.00

Optics and optical instruments (TC 172)

ISO 9342-1:2023, Optics and optical instruments - Test lenses for calibration of focimeters - Part 1: Reference lenses for focimeters used for measuring spectacle lenses, $157.00

ISO 10110-16:2023, Optics and photonics - Preparation of drawings for optical elements and systems - Part 16: Diffractive surfaces, $183.00

Road vehicles (TC 22)

ISO 16750-1:2023, Road vehicles - Environmental conditions and testing for electrical and electronic equipment - Part 1: General, $157.00

Rubber and rubber products (TC 45)

ISO 3900:2023, Rubber - Nitrile latex - Determination of bound acrylonitrile content, $51.00

Ships and marine technology (TC 8)

ISO 22787:2023, Marine environmental impact assessment (MEIA) - Technical specifications for marine biotic surveys in the international seabed area - General principles, $157.00

Timber (TC 218)

ISO 4556:2023, Wood raw parquet elements - General characteristics, $77.00

ISO 4561:2023, Wood raw parquets elements - Classification, $77.00

ISO 4562:2023, Wood parquet strips - Classification, $77.00

Tractors and machinery for agriculture and forestry (TC 23)

ISO 21622-2:2023, Irrigation techniques - Remote monitoring and control for irrigation - Part 2: Tests, $237.00

Water quality (TC 147)

ISO 13167:2023, Water quality - Plutonium, americium, curium and neptunium - Test method using alpha spectrometry, $183.00

ISO Technical Reports

Documents and data elements in administration, commerce and industry (TC 154)

ISO/TR 16340:2023, Application of blockchain-based traceability platform for cold chain food, $77.00

Gas cylinders (TC 58)

ISO/TR 7470:2023, Gas cylinders - List of provisions, $51.00

ISO Technical Specifications

Information and documentation (TC 46)

ISO/TS 28560-4:2023, Information and documentation - RFID in libraries - Part 4: Encoding of data elements based on rules from ISO/IEC 15962 in an RFID tag with partitioned memory, $237.00

Petroleum products and lubricants (TC 28)

ISO/TS 23877-1:2023, Petroleum and related products from natural or synthetic sources - Determination of pour point - Part 1: Automated step-wise cooling method, $77.00

Water quality (TC 147)

ISO/TS 7013:2023, Water quality - Guidance and requirements for designing an interlaboratory trial for validation of analytical methods, $77.00

IEC Standards

Insulators (TC 36)

IEC 60383-1 Ed. 5.0 b:2023, Insulators for overhead lines with a nominal voltage above 1000 V - Part 1: Ceramic or glass insulator units for a.c. systems - Definitions, test methods and acceptance criteria, $417.00

Lightning protection (TC 81)

IEC 62561-3 Ed. 3.0 b:2023, Lightning protection system components (LPSC) - Part 3: Requirements for isolating spark gaps (ISGs), $190.00

S+ IEC 62561-3 Ed. 3.0 en:2023 (Redline version), Lightning protection system components (LPSC) - Part 3: Requirements for isolating spark gaps (ISGs), $247.00

Magnetic components and ferrite materials (TC 51)

IEC 62044-3 Ed. 2.0 b:2023, Cores made of soft magnetic materials - Measuring methods - Part 3: Magnetic properties at high excitation level, $329.00

S+ IEC 62044-3 Ed. 2.0 en:2023 (Redline version), Cores made of soft magnetic materials - Measuring methods - Part 3: Magnetic properties at high excitation level, $428.00

International Organization for Standardization (ISO)

Call for International (ISO) Secretariat

ISO/TC 108 – Mechanical vibration, shock and condition monitoring

Reply Deadline: July 14, 2023

Currently, the U.S. holds a leadership position as Secretariat of ISO/TC 108 – *Mechanical vibration, shock and condition monitoring* . ANSI has delegated the responsibility for the administration of the Secretariat for ISO/TC 108 to the Acoustical Society of America (ASA). ASA has advised ANSI of its intent to relinquish its role as delegated Secretariat for this committee.

ISO/TC 108 operates under the following scope: *Standardization in the fields of mechanical vibration and shock and the effects of vibration and shock on humans, machines, vehicles (air, sea, land and rail) and stationary structures, and of the condition monitoring of machines and structures, using multidisciplinary approaches.*

Specific areas of current interest include the standardization of: terminology and nomenclature in the fields of mechanical vibration, mechanical shock and condition monitoring; measurement, analysis and evaluation of vibration and shock e.g. signal processing methods, structural dynamics analysis methods, transducer and vibration generator calibration methods, etc.; active and passive control methods for vibration and shock, e. g. balancing of machines, isolation and damping; evaluation of the effects of vibration and shock on humans, machines, vehicles (air, sea, land and rail), stationary structures and sensitive equipment; vibration and shock measuring instrumentation, e.g. transducers, vibration generators, signal conditioners, signal analysis instrumentation and signal acquisition systems; measurement methods, instrumentation, data acquisition, processing, presentation, analysis, diagnostics and prognostics, using all measurement variables required for the condition monitoring of machines; training and certification of personnel in relevant areas.

ANSI is seeking organizations in the U.S. that may be interested in assuming the role of delegated Secretariat for ISO/TC 108. Alternatively, ANSI may be assigned the responsibility for administering an ISO Secretariat. Any request that ANSI accept the direct administration of an ISO Secretariat shall demonstrate that:1) The affected interests have made a financial commitment for not less than three years covering all defined costs incurred by ANSI associated with holding the Secretariat; 2) the affected technical sector, organizations or companies desiring that the U.S. hold the Secretariat request that ANSI perform this function; 3) the relevant U.S. TAG has been consulted with regard to ANSI's potential role as Secretariat; and 4) ANSI is able to fulfill the requirements of a Secretariat.

If no U.S. organization steps forward to assume the ISO/TC 108 Secretariat, or if there is insufficient support for ANSI to assume direct administration of this activity by July 14, 2023, then ANSI will inform the ISO Central Secretariat that the U.S. will relinquish its leadership of the committee. This will allow ISO to solicit offers from other countries interested in assuming the Secretariat role.

Information concerning the United States retaining the role of international Secretariat may be obtained by contacting ANSI's ISO Team (isot@ansi.org).

International Organization for Standardization (ISO)

Call for International (ISO) Secretariat

ISO/TC 43/SC 3 – Underwater acoustics

Reply Deadline: July 14, 2023

Currently, the U.S. holds a leadership position as Secretariat of ISO/TC 43/SC 3 – *Underwater acoustics* . ANSI has delegated the responsibility for the administration of the Secretariat for ISO/TC 43/SC 3 to the Acoustical Society of America (ASA). ASA has advised ANSI of its intent to relinquish its role as delegated Secretariat for this committee.

ISO/TC 43/SC 3 operates under the following scope:

Development of standards in the field of Underwater acoustics within the scope of ISO/TC 43 Acoustics:

Standardization in the field of acoustics, including methods of measuring acoustical phenomena, their generation, transmission and reception, and all aspects of their effects on man and his environment. Excluded : electro-acoustics and the implementation of specifications of the characteristics of measuring instruments for acoustic purposes.

ANSI is seeking organizations in the U.S. that may be interested in assuming the role of delegated Secretariat for ISO/TC 43/SC 3. Alternatively, ANSI may be assigned the responsibility for administering an ISO Secretariat. Any request that ANSI accept the direct administration of an ISO Secretariat shall demonstrate that:

1. The affected interests have made a financial commitment for not less than three years covering all defined costs incurred by ANSI associated with holding the Secretariat;
2. the affected technical sector, organizations or companies desiring that the U.S. hold the Secretariat request that ANSI perform this function;
3. the relevant U.S. TAG has been consulted with regard to ANSI's potential role as Secretariat; and
4. ANSI is able to fulfill the requirements of a Secretariat.

If no U.S. organization steps forward to assume the ISO/TC 43/SC 3 Secretariat, or if there is insufficient support for ANSI to assume direct administration of this activity by July 14, 2023, then ANSI will inform the ISO Central Secretariat that the U.S. will relinquish its leadership of the committee. This will allow ISO to solicit offers from other countries interested in assuming the Secretariat role.

Information concerning the United States retaining the role of international Secretariat may be obtained by contacting ANSI's ISO Team (isot@ansi.org).

International Organization for Standardization (ISO)

Establishment of ISO Technical Committee

ISO/TC 344 – Heat supply network

Response Deadline: July 21, 2023

A new ISO Technical Committee, ISO/TC 344 – *Innovative Logistics*, has been formed. The Secretariat has been assigned to China (SAC).

ISO/TC 344 operates under the following scope:

Standardization of services, techniques and management in the field of logistics, specifically including the process of distributing goods from manufacturer or distributor to regional hub, distribution center, and ultimately to businesses such as urban retailers, and to improve the quality, safety and efficiency of distribution operations, and to enhance the stability, flexibility and sustainability in logistics.

The scope will include, but is not limited to;
· *Development of general requirement, framework, metrics, guidance, performance indicator, evaluation for innovative logistics etc.;*
· *Innovative provision of service assurance for logistics (e.g. innovative operation of distribution center, including overseas warehouse in cross-border trade, capacity building for operators, etc.).*
· *Innovative operation, service and synergy optimization in logistics (e.g. order processing, cargo consolidation, sorting, picking, storage (including overseas warehousing),repackaging and protective handling, loading, unloading, capacity allocation, shipping, distribution, other customized services, etc.).*

Excluded:
Relevant work within the scopes of the following committees:
· *ISO/TC 22 Road vehicles*
· *ISO/TC 34 Food products*
· *ISO/TC 51 Pallets for unit load method of materials handling*
· *ISO/TC 122 Packaging*
· *ISO/TC 154 Processes, data elements and documents in commerce, industry and administration*
· *ISO/TC 204 Intelligent transport systems*
· *ISO/TC 268 Sustainable cities and communities*
· *ISO/TC 315 Cold chain logistics*
· *ISO/TC 321 Transaction assurance in E-commerce*

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

Registration of Organization Names in the United States

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

Public Review

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

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

Proposed Foreign Government Regulations

Call for Comment

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

Online Resources:
WTO's ePing SPS&TBT platform: https://epingalert.org/
Register for ePing: https://epingalert.org/en/Account/Registration
WTO committee on Agriculture, Sanitary and Phytosanitary (SPS) measures:
https://www.wto.org/english/tratop_e/sps_e/sps_e.htm
WTO Committee on Technical Barriers to Trade (TBT): https://www.wto.org/english/tratop_e/tbt_e/tbt_e.htm
USA TBT Enquiry Point: https://www.nist.gov/standardsgov/usa-wto-tbt-enquiry-point
Comment guidance:
https://www.nist.gov/standardsgov/guidance-us-stakeholders-commenting-notifications-made-wto-members-tbt-committee
NIST: https://www.nist.gov/
TANC: https://www.trade.gov/office-trade-agreements-negotiation-and-compliance-tanc
Examples of TBTs: https://tcc.export.gov/report_a_barrier/trade_barrier_examples/index.asp.
Report Trade Barriers: https://tcc.export.gov/Report_a_Barrier/index.asp.
USDA FAS: https://www.fas.usda.gov/about-fas
FAS contribution to free trade agreements: https://www.fas.usda.gov/topics/trade-policy/trade-agreements
Tracking regulatory changes: https://www.fas.usda.gov/tracking-regulatory-changes-wto-members
USTR WAMA: https://ustr.gov/trade-agreements/wto-multilateral-affairs/wto-issues/technical-barriers-trade
Contact the USA TBT Enquiry Point at (301) 975-2918; E usatbtep@nist.gov or notifyus@nist.gov.

Public Review Draft

Proposed Addendum bf to Standard 189.1-2020

Standard for the Design of High-Performance Green Buildings

Except Low-Rise Residential Buildings

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

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

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

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

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

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

Foreword

Definitions are being added for the *building product* and *building product assembly* which are included in the approved Section 9.4.1.1 Environmental Product Declarations (EPDs)(Addendum z). This assures that these definitions, which are the same as proposed for Addendum ak (revised in the second public review draft ISC), are included.
Note: In the event Addendum ak is published, the definitions of *building product* and *building product assembly* will follow the definitions as defined in Addendum ak.

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

Addendum bf to 189.1-2020

Add definitions to Section 3.2 as follows:

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

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

Substantive changes from previous public review of ANSI/FM 3260-2014 (6/16/2023)

4. PERFORMANCE REQUIREMENTS

4.4 Field of View

4.4.1 Requirement

For ~~all fuels claimed in the specifications~~ at least one of the fires specified in section 3.7.1, the flame detector shall be tested to confirm the manufacturer's claims for field of view.

4.4.2 Test/Verification

Tests shall be conducted using ~~all fuels specified by the manufacturer (including those selected from the list in Section 3.7.1)~~ at least one of the fires described in Section 3.7.1. Within the specified field of view, the detector response shall be at least 50% of the on-axis sensitivity (measured in units of distance) in at least four directions (left, right, up, and down).

BSR/UL 61215-1-2, Standard for Terrestrial Photovoltaic (PV) Modules – Design Qualification and Type Approval – Part 1-2: Special Requirements for Testing of Thin-Film Cadmium Telluride (CdTe) Based Photovoltaic (PV) Modules

1. Updates to Include IEC Amendment 1 Issued in 2022, with no US National Differences

PROPOSAL

3 Terms and definitions

This clause of IEC 61215-1:2021 is applicable ~~without~~ with the following modifications.

Add the following new terms:

3.13
reduced mechanical load
module where the test load in MQT 16 is less than 2 400 Pa

Note 1 to entry: 2 400 Pa was required in earlier versions of the IEC 61215 series for all technologies (e.g. IEC 61215-2:2021).

3.14

restricted access area
area accessible only to electrically skilled persons and electrically instructed persons with the proper authorization

EXAMPLE Utility-scale PV installations which are protected against public access by fences, location, etc., and where only persons skilled, trained or instructed in electrical safety have access.

[SOURCE: IEC 60050-195:1998, 195-04-04, modified – The example has been added]

5 Marking and documentation

This clause of IEC 61215-1:2021 is applicable ~~without~~ with the following modifications.

5.1 Name plate

Each module shall include the following clear and indelible markings:

Add the following new items:

l) For modules with reduced mechanical load: the range of positive and negative design loads [Pa] the module manufacturer's recommended mounting configurations will allow, preceded by the phrase, "reduced mechanical design load" and followed by the phrases "Not for roof mount. For ground mounted installations with restricted access only. May only be used in systems designed by a licensed professional engineer."

~~EXAMPLE:~~
Reduced mechanical design load: ± 800 Pa.
Not for roof mount. For ground mounted installations with restricted access only. May only be used in systems designed by a licensed professional engineer.

m) For modules with reduced mechanical load: Type or model number designation shall contain a unique identification that it is used for reduced mechanical load.

EXAMPLE:
Regular mechanical load module type designation: M300W.

Reduced mechanical load module type designation: M300W-X.
Where -X can be e.g. a combination of letters or numbers.

5.2 Documentation

5.2.2 Information to be given in the documentation

Add the following new item:

r) For modules with reduced mechanical load, the documentation shall contain the following: "When PV modules are intended to be installed in an engineered scenario by qualified personnel such as in a ground mounted utility scale application with restricted access, they may be designed for lower loads. The test load may be lower than 2 400 Pa but greater than 1 200 Pa (or any load in between) with a safety factor of 1,5; corresponding to design loads of 1 600 Pa and 800 Pa (or any load in between), respectively, for the down (positive) pressures and uplift (negative) pressures. These modules may be used in array locations where the module mounting and structure in combination are designed to meet a specific design load by the installer. Alternatively, modules having a higher minimum test load compatible to the required site-specific loads may be used. The reduced load modules cannot be used on a rooftop."

NOTE Many large PV installations of today are designed, engineered, and installed by qualified experts in the electrical, mechanical and structural fields per the prevailing local codes. Designers utilize allowances in building codes to target certain locations in the array to handle higher loading than other areas. The manufacturer mounting configurations, stated design loads and test safety factors are utilized in the overall system design approach.

11 Test flow and procedures

The test flow from IEC 61215-1:2021 is applicable with the following modifications.

Table 3 – Summary of test levels

Replace:

Test	Section in IEC 61215-2 Ed.2	Title	Test conditions
MQT 16	4.16	Static mechanical load test	Three cycles of uniform load specified by the manufacturer, applied for 1 h to front and back surfaces in turn. Minimum test load: 2 400 Pa

by:

Test	Subclause in IEC 61215-2 Ed.2	Title	Test conditions
MQT 16	4.16	Static mechanical load test	Three cycles of uniform load specified by the manufacturer, applied for 1 h to front and back surfaces in turn. Minimum test load: ≥ 1 200 Pa as defined by the manufacturer (for modules with "reduced design load" marking); 2 400 Pa (for modules without additional marking)

11.16 Static mechanical load test (MQT 16)

This test of IEC 61215-2:2021 is applicable ~~without~~ with the following modifications.

4.16 Static mechanical load test (MQT 16)

4.16.1 Purpose

Replace:

The minimum required design load per this standard is 1 600 Pa, resulting in a minimum test load of 2 400 Pa.

by:

The minimum required design load per this document depends on the nameplate marking. For modules without special notification on the nameplate, the minimum design load is 1 600 Pa, resulting in a minimum test load of 2 400 Pa. For modules with the “reduced design load” notification on the nameplate and in the documentation, the minimum design load is 800 Pa, which results in a minimum test load of 1 200 Pa.

BSR/UL 61215-1-4, Standard for Terrestrial Photovoltaic (PV) Modules – Design Qualification and Type Approval – Part 1-4: Special requirements for testing of thin-film Cu(In,Ga)(S,Se)$_2$ based photovoltaic (PV) modules

1. Updates to Include IEC Amendment 1 Issued in 2022, with no US National Differences

PROPOSAL

3 Terms and definitions

This clause of IEC 61215-1:2021 is applicable ~~without~~ with the following modifications.

Add the following new terms:

3.13
reduced mechanical load module
module where the test load in MQT 16 is less than 2 400 Pa

Note 1 to entry: 2 400 Pa was required in earlier versions of the IEC 61215 series for all technologies (e.g. IEC 61215-2:2021).

3.14
restricted access area
area accessible only to electrically skilled persons and electrically instructed persons with the proper authorization

EXAMPLE Utility-scale PV installations which are protected against public access by fences, location, etc., and where only persons skilled, trained or instructed in electrical safety have access.

[SOURCE: IEC 60050-195:1998, 195-04-04, modified – The example has been added]

5 Marking and documentation

This clause of IEC 61215-1:2021 is applicable ~~without~~ with the following modifications.

5.1 Name plate

Each module shall include the following clear and indelible markings:

Add the following new items:

l) For modules with reduced mechanical load: the range of positive and negative design loads [Pa] the module manufacturer's recommended mounting configurations will allow, preceded by the phrase, "reduced mechanical design load" and followed by the phrases "Not for roof mount. For ground mounted installations with restricted access only. May only be used in systems designed by a licensed professional engineer."

EXAMPLE:
Reduced mechanical design load: ± 800 Pa.
Not for roof mount. For ground mounted installations with restricted access only. May only be used in systems designed by a licensed professional engineer.

m) For modules with reduced mechanical load: Type or model number designation shall contain a unique identification that it is used for reduced mechanical load.

EXAMPLE:
Regular mechanical load module type designation: M300W.
Reduced mechanical load module type designation: M300W-X.
Where -X can be e.g. a combination of letters or numbers.

5.2 Documentation

5.2.2 Information to be given in the documentation

Add the following new item:

r) For modules with reduced mechanical load, the documentation shall contain the following: "When PV modules are intended to be installed in an engineered scenario by qualified personnel such as in a ground mounted utility scale application with restricted access, they may be designed for lower loads. The test load may be lower than 2 400 Pa but greater than 1 200 Pa (or any load in between) with a safety factor of 1,5; corresponding to design loads of 1 600 Pa and 800 Pa (or any load in between), respectively, for the down (positive) pressures and uplift (negative) pressures. These modules may be used in array locations where the module mounting and structure in combination are designed to meet a specific design load by the installer. Alternatively, modules having a higher minimum test load compatible to the required site-specific loads may be used. The reduced load modules cannot be used on a rooftop."

NOTE Many large PV installations of today are designed, engineered, and installed by qualified experts in the electrical, mechanical and structural fields per the prevailing local codes. Designers utilize allowances in building codes to target certain locations in the array to handle higher loading than other areas. The manufacturer mounting configurations, stated design loads and test safety factors are utilized in the overall system design approach.

11 Test flow and procedures

The test flow from IEC 61215-1:2021 is applicable with the following modifications.

Table 3 – Summary of test levels

Replace:

Test	Section in IEC 61215-2 Ed.2	Title	Test conditions
MQT 16	4.16	Static mechanical load test	Three cycles of uniform load specified by the manufacturer, applied for 1 h to front and back surfaces in turn. Minimum test load: 2 400 Pa

by:

Test	Subclause in IEC 61215-2 Ed.2	Title	Test conditions
MQT 16	4.16	Static mechanical load test	Three cycles of uniform load specified by the manufacturer, applied for 1 h to front and back surfaces in turn. Minimum test load: ≥ 1 200 Pa as defined by the manufacturer (for modules with "reduced design load" marking); 2 400 Pa (for modules without additional marking)

11.16 Static mechanical load test (MQT 16)

This test of IEC 61215-2:2021 is applicable ~~without~~ with the following modifications to Clause 4.

4 Test procedures

4.16 Static mechanical load test (MQT 16)

4.16.1 Purpose

Replace:

The minimum required design load per this standard is 1 600 Pa, resulting in a minimum test load of 2 400 Pa.

by:

The minimum required design load per this document depends on the nameplate marking. For modules without special notification on the nameplate, the minimum design load is 1 600 Pa, resulting in a minimum test load of 2 400 Pa. For modules with the “reduced design load” notification on the nameplate and in the documentation, the minimum design load is 800 Pa, which results in a minimum test load of 1 200 Pa.

BSR/UL 2271, Standard for Safety for Batteries for Use in Light Electric Vehicle (LEV) Applications

2. Modification of normal operation conditions and cycle number during Temperature Test.

PROPOSAL

26 Temperature Test

26.4 The charge and discharge cycles are then repeated for a minimum total of 2 complete cycles of charge and discharge, *until consecutive charge and discharge cycles do not continue to increase the maximum cell temperature more than 2°C (3.6°F)*.

3. Clarifications of the scope to better distinguish what is covered under UL/ULC 2271 verses UL/ULC 2580.

PROPOSAL

1 Scope

1.5 These requirements do not cover equipment for use in hazardous locations as defined in the National Electrical Code, NFPA 70.

6 Glossary

6.1 BATTERY MANAGEMENT SYSTEM (BMS) – A battery control circuit with active ~~and programmable active~~ protection devices that monitors and maintains the cells within their specified operating region; and which prevents overcharge, overcurrent, overtemperature, under-temperature and overdischarge conditions of the cells.

6.10A ~~6.25A~~ ELECTRIC MOTORCYCLE – An electric motor vehicle having a seat or saddle for the use of the rider and designed to travel on not more than three wheels in contact with the ground, but excluding a tractor. An electric motorcycle is intended for use on public roadways including highways.

6.11A ELECTRIC SCOOTER – A device weighing less than one hundred pounds that:

a) Has handlebars, a floorboard or a seat that can be stood or sat upon by the operator, and an electric motor;

b) Can be powered by the electric motor and/or human power; and
c) Has a maximum speed of no more than 20 mph on a paved level surface when powered solely by the electric motor.

6.22 LIGHT ELECTRIC VEHICLE (LEV) – A light duty on-road or off-road vehicle that uses electricity as its source of energy for motive power, which is not considered suitable for use on highway systems. The following are examples of LEVs:

a) Electric bicycles;

b) Electric scooters as defined in 6.11A;

c) Electric wheel chairs;

d) Golf carts;

e) All-terrain vehicles;

f) Non-ride-on industrial material handling equipment;

g) Unmanned aerial vehicles (UAVs)

h) Ride-on floor care machines; and

~~h~~ i) Personal e-mobility devices.

NOTE: A LEV is not limited to the examples given above. Any EESA used in an LEV that meets the above definition can be covered by this Standard unless there is a dedicated LEV standard specifying the requirements for its EESA.

4. Functional safety criteria updates.

PROPOSAL

15 Safety Analysis

15.2 Protective circuits and controls

15.2.3 With reference to 15.2.1, software relied upon for safety shall comply with:

a) ~~Software Class 1 requirements of~~ UL 1998;

b) Software Class B requirements of CSA C22.2 No. 0.8; or

c) The Controls Using Software requirements (Software Class B requirements) in UL 60730-1 (Clause H.11.12) or CSA E60730-1.

15.2.4 Battery systems shall be protected against all hazards identified in the ~~safety system~~ safety analysis of 15.1.1.