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Project Initiation Notification System (PINS)

ANSI Procedures require notification of ANSI by ANSI-accredited standards developers (ASD) of the initiation and scope of activities expected to result in new or revised American National Standards (ANS). Early notification of activity intended to reaffirm or withdraw an ANS and in some instances a PINS related to a national adoption is optional. The mechanism by which such notification is given is referred to as the PINS process. For additional information, see clause 2.4 of the ANSI Essential Requirements: Due Process Requirements for American National Standards.

Following is a list of proposed actions and new ANS that have been received recently from ASDs. Please also review the section in Standards Action entitled "American National Standards Maintained Under Continuous Maintenance" for additional or comparable information with regard to standards maintained under the continuous maintenance option. 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 affected interests wishing to receive more information or to submit comments are requested to contact the standards developer directly within 30 days of the publication of this announcement.

AAFS (American Academy of Forensic Sciences)

410 North 21st Street | Colorado Springs, CO 80904 www.aafs.org
Contact: Teresa Ambrosius; tambrosius@aafs.org

New Standard

BSR/ASB BPR 174-202x, Age Estimation in Forensic Anthropology (new standard)

Stakeholders: Forensic anthropologists and the medicolegal community.
Project Need: While a standard exists for the estimation of age at death in forensic anthropology (ASB Std 133), currently there are no widely accepted documents that provide guidance, procedures, or preferred methods for age at death estimation in forensic anthropology. This document fills that gap.
Scope: This best practice recommendation provides guidance and preferred methods for the estimation of age at death in forensic anthropology. It does not provide minimum standards for estimating age at death as these are covered in ASB Std 133.

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

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

Revision

BSR/APCO 1.110.2-202x, Multi-Functional Multi-Discipline Computer Aided Dispatch (CAD) Minimum Functional Requirements (revision and redesignation of ANSI/APCO 1.110.1-2015)

Stakeholders: Telecommunicators, public safety agencies, responders, involved individuals and the community will benefit from this standard.
Project Need: The revision and redesignation of this standard provides public safety communications centers with tools to assist them in planning and preparing the request for proposal (RFP), accurately meeting the needs of their center.
Scope: This standard provides a detailed, comprehensive, and unified list of functional requirements for CAD systems that may be used by emergency communications centers (ECC) to assist with the Request for Proposal (RFP) Process. Each CAD function will be identified along with a visual flag to indicate what service(s) (law enforcement, fire, EMS) the function applies to. Sample requirements for each function will be provided and can be incorporated in an RFP when a pubic safety communications center has a need to conduct a solicitation for a new CAD system.

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

180 Technology Parkway | Peachtree Corners, GA 30092 www.ashrae.org
Contact: Susan LeBlanc; sleblanc@ashrae.org

New Standard

BSR/ASHRAE Standard 185.4P-202x, Method of Testing In-Room Ultraviolet Devices and Systems for Microbial Inactivation on Surfaces in a Test Room (new standard)

Stakeholders: Hospitals and other health care facilities, building owners, building operators, design engineers, and other commercial consumers
Project Need: The COVID-19 pandemic has fostered many new products claiming to inactivate microbes on surfaces. In the absence of a standardized test, products are making claims based on tests optimized to maximize performance, often in conditions that do not represent real-world use. Many of the manufacturers and resellers of these emerging products admit there is no standardized test method available to adequately describe performance of their products in actual use conditions. This proposed standard aims to fill that void. The standard will be applicable to ultraviolet devices and systems used in rooms to inactivate microbes on surfaces. This will allow direct comparisons of product efficacy that will be highly valuable to building owners, design engineers, and general commercial- industrial consumers looking to improve overall surface disinfection.
Scope: This standard establishes a test method for evaluating the efficacy of ultraviolet disinfection systems for microbial inactivation on multiple surface locations in a test room.

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

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New Standard

BSR/ASHRAE Standard 232P-202x, Schema-Based Building Data Model Protocols (new standard)

Stakeholders: Software developers, practitioners (design engineers and energy modelers), schema developers
Project Need: The purpose of this project is to create a standard for the data structure (meta-schema) that would be used in other building data model projects and standards, such as those listed in this standard. This standard could be uniformly referenced, rather than rewritten in each different standard. Such a standard would reduce the fragmentation in the industry and allow the other standard projects to concentrate on the content of the data models and not the structure.
Scope: Define building data structures and conventions for data exchange among building performance and HVAC&R software.

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New Standard

BSR/ASHRAE Standard 233P-202x, Testing, Evaluating, and Reporting of Phase Change Materials Performance (new standard)

Stakeholders: (1) Government - Department of Energy, National Laboratories; (2) Producers - Phase change materials producers; (3) Manufacturers, Utilities, Facility Owner/Operators – Organizations that may incorporate thermal energy storage systems into their equipment or facility; (4) Testing equipment manufacturers.
Project Need: The rising research interest among different stakeholders in PCM materials as thermal storage medium calls for a new standard for testing and reporting the performance of the PCMs in a standardized way. The standardized testing and reporting method allows for easy comparison between different PCMs and accelerates PCM adoption.
Scope: To provide a test method to evaluate the performance of Phase Change Materials (PCMs). This standard also provides a method of reporting the performance of different phase change materials in a standardized way based on laboratory testing.

CSA (CSA America Standards Inc.)

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

New Standard

BSR/CSA B107-202x, Enclosed Hydrogen Equipment - Safety (new standard)

Stakeholders: Manufacturers of hydrogen equipment which is installed in an equipment enclosures.
Project Need: To support innovation and deployment within the hydrogen industry by providing requirements for the safe construction of hydrogen equipment that is installed in an equipment enclosure.
Scope: This standard applies to the construction and safety of hydrogen equipment that is installed in an equipment enclosure, i.e., enclosed hydrogen equipment for indoor and outdoor use. This standard applies to enclosures which protect:
- stored hydrogen;
- hydrogen processing equipment (including compressors); - liquid hydrogen processing equipment (including pumps and vaporizers); or
- hydrogen generating equipment.
This document does not apply to the following:
a) Gas cabinets which are installed to and meet the requirements of NFPA 2:2020, Section 6.19;
b) Exhaust enclosures which are installed to and meet the requirements of NFPA 2:2020, Section 6.20;
c) Enclosures which are part of a certified fuel cell power system;
d) Enclosures which are part of a certified electrolyzer or gasifiers; or
e) Products which are certified to CSA HGV 5.2 or other listed products.

CSA (CSA America Standards Inc.)

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

New Standard

BSR/CSA R115-202x, Design for Reparability to Support Reuse and Waste Reduction (new standard)

Stakeholders: ICT sector; automobiles; agriculture; public policymakers; waste management sector (including material and plastic recycling); circular economy; consumer packaged goods; apparel; retail ; insurance (including coverage requirements and liability).
Project Need: This standard will support broader market adoption through improved transparency, consumer protections, and competitive fairness for Canadians. In 2021, the EU has put into effect the first right-to-repair laws, which will legally ensure that electric and electronic goods can be repaired for up to 10 years. In the United States, President Joe Biden recently issued an executive order to create new rules to prevent companies from creating barriers for consumers to fix their own products. The U.S. Federal Trade Commission issued a policy statement on their efforts to combat unlawful repair restrictions and 25 states are considering right-to-repair legislation this year. In Australia, a bill was passed to promote competition in the Australian automotive servicing sector by requiring motor-vehicle service and repair information to be made available for purchase by Australian repairers at a fair market price. Designing for and making repairability options easily accessible to facilitate product life extension and reuse is a pivotal aspect of advancing circular economies. This approach is far superior to recycling when it comes to high-value and resource-intensive products, as it keeps materials in play longer, increasing overall value. Repair is also preferable to remanufacturing as it avoids additional production and distribution impacts. Repair and reuse also responds to social equity objectives, making high- functioning, useful products available at lower costs. Repair and refurb...
Scope: This standard will support broader market adoption through improved transparency, consumer protections, and competitive fairness. This is not intended to be submitted for consideration as an ISO, IEC, or ISO/IEC JTC-1 standard.

ECIA (Electronic Components Industry Association)

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Contact: Laura Donohoe; ldonohoe@ecianow.org

Reaffirmation

BSR/EIA 364-12A-2005 (R202x), Restricted Entry Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-12A-2005 (R2017))

Stakeholders: Electronics, Electrical, and Telecommunications industries.
Project Need: Reaffirm the current American National Standard.
Scope: This standard establishes a test method to determine the ability of socket contacts, classified as restricted entry types, to prevent the insertion of an oversized pin.

ECIA (Electronic Components Industry Association)

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Reaffirmation

BSR/EIA 364-15C-2016 (R202x), Contact Strength Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-15C-2016)

Stakeholders: Electronics, Electrical, and Telecommunications industries.
Project Need: Reaffirm the current American National Standard.
Scope: This standard establishes a test method to determine the exposed contact (pin or socket) strength for contact sizes 20 and smaller when subjected to a defined bending stress (or moment).

ECIA (Electronic Components Industry Association)

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Reaffirmation

BSR/EIA 364-62A-2004 (R202x), Terminal Strength Test Procedure for Electrical Connectors and Sockets (reaffirmation of ANSI/EIA 364-62A-2004 (R2017))

Stakeholders: Electronics, Electrical, and Telecommunications industries.
Project Need: Reaffirm the current American National Standard.
Scope: This standard establishes test methods to determine the ability of the terminals of an electrical connector to withstand the mechanical stresses likely to be applied during normal assembly operations. This test method is limited to standard flat-type through-hole terminations, such as those typically used in connector- or socket-type products, that have a material thickness no thicker than 0.30 millimeter (0.012 inch). Test methods for printed circuit terminals and solderless wrap terminals are included in this standard.

ECIA (Electronic Components Industry Association)

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Reaffirmation

BSR/EIA 364-81A-2005 (R202x), Combustion Characteristics Test Procedure for Electrical Connector Housings, Connector Assemblies and Sockets (reaffirmation of ANSI/EIA 364-81A-2005 (R2017))

Stakeholders: Electronics, Electrical, and Telecommunications industries.
Project Need: Reaffirm the current American National Standard.
Scope: This standard establishes a test method that may be used to characterize the resistance of connector/socket housings, including composite housings in their as-molded condition with and without contacts relative to flammability for a particular application.

ECIA (Electronic Components Industry Association)

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Reaffirmation

BSR/EIA 364-82A-2005 (R202x), Corrosivity of Plastics Test Procedure for Electrical Connector and Socket Housings (reaffirmation of ANSI/EIA 364-82A-2005 (R2017))

Stakeholders: Electronics, Electrical, and Telecommunications industries.
Project Need: Reaffirm the current American National Standard.
Scope: This standard establishes a test method to determine whether a plastic electrical connector or socket housing generates corrosive elements when in contact with metallic parts or components.

ECIA (Electronic Components Industry Association)

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Contact: Laura Donohoe; ldonohoe@ecianow.org

Reaffirmation

BSR/EIA 364-91B-2016 (R202x), Dust Test Procedure for Electrical Connectors and Sockets (reaffirmation of ANSI/EIA 364-91B-2016)

Stakeholders: Electronics, Electrical, and Telecommunications industries.
Project Need: Reaffirm the current American National Standard.
Scope: This standard establishes a test method to determine the susceptibility of an electrical connector or socket system to the potential degradation mechanism of a dust/fiber environment common to an office or manufacturing area.

HSI (Healthcare Standards Institute)

3004 Sea Pines Place | League City, TX 77573 www.hsi.health/
Contact: Lee Webster; lwebster@ingenesis.com

New Standard

BSR/HSI 1000-202X, Blockchain Management and Security of Physician and Surgeon Credentials (new standard)

Stakeholders: Physicians, surgeons, healthcare administrators and regulators can benefit from a more efficient and cost-effective credential curating and monitoring process. This also benefits consumers (patients) since their healthcare provider will have current and timely information about the capabilities of their physicians and surgeons. With this improved access to credentials, healthcare providers can direct the right caregiver to the right patent with prudence and speed. Specific groups that are stakeholders and will benefit from this standard include: Employers: Employers of all sizes, especially self-insured employers will benefit from diminution of paperwork and a better patient experience. The "BUCAHS", Blue Cross, United, Cigna, Aetna, and Humana will benefit from increased efficiency, professional groups will be the beneficiary of a more respectful, less expensive, less burdensome process. Subject Matter Experts (SMEs): CMOs, VPMAs, credentialing experts from medical staff offices will be queried to share their experiences. We will avail ourselves of experts in blockchain and robotic process automation. Specialty societies: physician groups, medical societies and academic medical institutions will enjoy the benefits of research that will emerge from the use of this standard. Government: State and federal legislators and their staff who work on healthcare issues can provide important insights. We will contact legislators with a history of introducing patient-centered health...

Project Need: There is a verified market for this standard. A 2018 poll of physicians revealed the paperwork burden was their number one complaint and that this was responsible for physician burnout. Physician burnout not only contributes to the physicians shortage but can diminish physician engagement having a deleterious effect on the patient experience. Providing more time for physicians to spend with their patients advances the quadruple aim of high quality and safety, a great patient experience, and financial sustainability with a better quality of life for the physician and surgeon. Modern technology with robotic-process automation and blockchain hold the potential to improve care and this standard will provide the means to do that. This standard will improve the health and well-being of consumers by facilitating an engaged and available physician who has more time to spend with them at each encounter. This standard will improve the quality of life for physicians and surgeons by eliminating mindless repetitive paperwork and providing a secure repository for their documents accessible only to those authorized to review them. This standard will improve the efficiency of medical staff offices, insurance companies, and governmental payers and sponsors such as employers and labor unions. This standard will hope licensing authorities provide a less expensive and more respectful process to those they regulate. https://www.medicaleconomics.com/view/whats-ruining-medicine-physicians-paperwork-

Scope: The scope of the proposed standard encompasses requirements for secure and efficient archiving and retrieving information about the credentialing of physicians and surgeons for healthcare organizations along the continuum of care as well as for stakeholders including sponsors payors, and licensing and certifying bodies. The standard it will include criteria for curating, accessing, managing and securing healthcare credentials information via blockchain technology to ensure trust is maintained in the provenance of these documents. The rationale of the proposed standard is to provide an enduring, trusted, and efficient, healthcare credential process containing information that is immediately accessible to authorized stakeholders.

HSI (Healthcare Standards Institute)

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National Adoption

BSR/HSI/ISO 5472-202x, Pandemic response (Respiratory) - Walk-through screening station (identical national adoption of ISO/PRF 5472)

Stakeholders: The general public (consumers) who need to be tested. Healthcare facilities can outsource this testing, lessening the burden on its resources. Healthcare workers will not need to don PPE, reducing their stress and resource consumption. Regulators can get timely feedback on the health and welfare of their communities. The Walk-through stations can be mobile, offering more convenience to potential users.
Project Need: COVID-19 is the infectious disease caused by the most recently discovered coronavirus. This new virus and disease were unknown before the outbreak began in Wuhan, China, in December 2019. COVID-19 is now a pandemic affecting many countries globally. The World Health Organization declared the outbreak to be a Public Health Emergency of International Concern on 30 January 2020 and recognized it as a pandemic on 11 March 2020. With the spread of COVID-19, the world is facing an unprecedented economic, social, and health crisis. Many global leaders and economists view COVID-19 as the gravest global health crisis and a human tragedy. In this extreme situation, the U.S. is becoming a sign of hope and a model to follow, with its rapid, intrusive working measures, showing at one point the highest rate of testing that produced the most comprehensive data for coronavirus in the world. A walk-through screening facility is a screening station where a test subject goes through the screening process of a medical interview, a temperature check, and specimen collection in a positive, negative, or adaptable pressure booth. This not only alleviates both the pressure on the hospitals and the risk of transmission by keeping potential test subjects out of hospital waiting rooms, but also reduces time by eliminating the need for disinfection required when taking samples within or outside the hospital.
Scope: Rapid and safe testing capabilities are an integral part of the fight against an endemic or pandemic. An infectious agent can be transmitted by direct contact, droplet spread, or airborne. Therefore, effective ways to minimize contact between test subjects and testers are critical. Wall-through Screen Stations (WTSSs) have received attention as demand for screening tests has soared while test resources such as negative pressure tents are limited, and reduction time for disinfection and ventilation after specimen collection is much sought after. Healthcare workers in the WTSS do not have to wear PPE as it takes only one or two minutes for each sampling, especially in a positive-pressure booth.

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

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Contact: Terry Burger; terry.burger@asse-plumbing.org; standards@iapmostandards.org

Revision

BSR/ASSE 1011-202x, Performance Requirements for Hose Connection Vacuum Breakers (revision of ANSI/ASSE 1011 -2017)

Stakeholders: Plumbing industry, plumbers, inspectors, contractors.
Project Need: Revise the requirements of certain applications to reflect practice and public need.
Scope: This standard applies only to those devices which are designed to be installed on the discharge side of the hose bibb, hydrant, or faucet which is fitted with hose threads. The design embraces a check valve member, force loaded or biased to a closed position, and an atmospheric vent valve, force loaded or biased to an open position when the device is not under pressure. This device shall not be subjected to more than twelve (12) hours of continuous water pressure. This device shall only be used on systems where the only source of low head back pressure comes from an elevated hose equal to or less than 10.0 feet (3.0 meters) in height.

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New Standard

BSR/ASSE 1376-202x, Ultra and Nano Drinking Water Treatment Systems (new standard)

Stakeholders: Plumbing industry, plumbers, inspectors, contractors.
Project Need: To created the requirements of certain applications to reflect practice and public need.
Scope: This Standard covers ultra and nano drinking-water treatment systems intended for use in residential, commercial, and food service applications and specifies requirements for materials, performance tests, and markings. Ultra and nano drinking-water treatment systems covered by this standard reduces contaminants, such as suspended particulates, microorganisms, and endotoxins in potable water.

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

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Contact: Marianne Waickman; marianne.waickman@asse-plumbing.org

New Standard

BSR/ASSE Series 21000-202x, Professional Qualifications Standard for Rainwater Catchment Systems Personnel (new standard)

Stakeholders: Building owners, managers, plumbing professionals , engineers, inspectors, AHJs and the general public.
Project Need: There is a growing use of rainwater and storm water catchment systems to catch rain that is then used for a variety of purposes. These systems can affect the health and safety of those that use the water as well as those that come in contact with the systems. This standard sets minimum training and certification requirements for the individuals who install, design, maintain, or inspect these systems.
Scope: This standard establishes uniform minimum requirements for qualified rainwater catchment systems installers and designers. It also establishes uniform minimum requirements for qualified rainwater and storm water catchment systems inspectors.

IEEE (ASC C63) (Institute of Electrical and Electronics Engineers)

445 Hoes Lane | Piscataway, NJ 08854 www.ieee.org
Contact: Jennifer Santulli; J.Santulli@ieee.org

New Standard

BSR C63.33-202x, Standard for Evaluating Immunity of Portable Electronic Medical Devices to Electronic Article Surveillance (EAS) Systems and Metal Detectors (new standard)

Stakeholders: EAS system manufacturers and users; Metal detector manufacturers and users; Medical device manufacturers; and Test labs Regulators.
Project Need: The proliferation of portable electronic medical devices and their potential proximity to electronic article surveillance systems in retail environments and metal detectors in security applications creates the need to evaluate the performance of medical devices when exposed to these electromagnetic fields.
Scope: Test methods and test levels for testing immunity of portable electronic medical devices to EAS systems and metal detectors, using actual EAS systems and metal detectors or simulated signals, information on incorporation of results into risk management.

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

700 K Street NW, Suite 600 | Washington, DC 20001 www.incits.org
Contact: Lynn Barra; comments@standards.incits.org

Addenda

INCITS 496-2012/AM 2-202x, Information Technology - Fibre Channel - Security Protocols - 2/Amendment 2 (FC-SP -2/AM 2) (addenda to INCITS 496-2012 [R2017], INCITS 496-2012/AM1-2015 [R2020])

Stakeholders: Consumers and developers of Fibre Channel devices and systems.
Project Need: The proposed project provides a compatible evolution of the Fibre Channel - Security Protocols-2, INCITS 496-2012, and its existing Amendment 1.
Scope: This project recommends the development of a second amendment to INCITS 496-2012, Fibre Channel - Security Protocols-2 (FC-SP-2). Included within this scope are (a) Look at inclusion of TLS 1.3 and removal of deprecated TLS versions; (b) enhancements to the protocol; (c) corrections and clarifications, and (d) any other item as deemed necessary during development.

NCMA (National Contract Management Association)

21740 Beaumeade Circle, Suite 125 | Ashburn, VA 20147 www.ncmahq.org
Contact: John Wilkinson; jwilkinson@thinc-llc.com

Reaffirmation

BSR/NCMA ASD 1-2019 (R202x), Contract Management Standard (reaffirmation of ANSI/NCMA ASD 1-2019)

Stakeholders: Government and commercial buyers and sellers, academicians, regulatory authorities, and consultants
Project Need: Reaffirmation of the CMS will (1) provide stability to the practice of contract management; (2) identify meaningful job tasks, competencies, and domains; and (3) provide a roadmap for targeted and relevant professional development. The rigorous ANSI reaffirmation process contributes directly to continuous improvement by providing a bridge between a formal, approved standard and individual competence and organizational capability.
Scope: The Contract Management Standard (CMS) reflects the combined knowledge of government and commercial buyers and sellers, as well as academicians, regulatory authorities, and consultants. The CMS is intended to be applied by contract managers using the judgment required to adapt to any unique circumstances of the reader. Consequently, the CMS provides guidance to the practice of contract management without restricting technological advancement or freedom to operate. The CMS describes the nature of contract management in terms of the contract management processes created through the integration and interaction of job tasks and competencies, and the purposes they serve.

NEMA (ASC C136) (National Electrical Manufacturers Association)

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Revision

BSR C136.2-202X, Roadway and Area Lighting Equipment - Dielectric Withstand and Electrical Transient - Immunity Requirements (revision of ANSI C136.2-2018)

Stakeholders: Luminaire Manufactures, Test Labs, End Users.
Project Need: Revise C136.2-2018, Roadway and Area Lighting Equipment Dielectric Withstand and Electrical Transient Immunity Requirements, to harmonize with ANSI C82.77-5 standard Voltage Surge requirements. The revised document will define the sequence of applied surge tests and timing specific to Roadway and Outdoor Area Lighting applications.
Scope: This Standard covers luminaires and control devices classified for up to 600-volt operation and intended for use in roadway and area lighting applications. This Standard contains the minimum performance requirements and test procedures for evaluating luminaire and control devices under test (DUTs) for the following: (a) dielectric withstand and (b) electrical transient immunity.

NEMA (ASC C136) (National Electrical Manufacturers Association)

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Contact: David Richmond; David.Richmond@nema.org

Revision

BSR C136.10-202X, Roadway and Area Lighting Equipment - Locking-Type Photocontrol Devices and Mating Receptacles - Physical and Electrical Interchangeability and Testing (revision of ANSI C136.10-2017)

Stakeholders: Lighting control manufacturers, test labs, utilities.
Project Need: This project is needed to revise the relative position of the photocell to the north-facing arrow, add a 480-VAC power requirement, and update references and definitions.
Scope: This standard covers the following roadway and area lighting equipment, which may be physically and electrically interchanged to operate within established values: (a) Locking-type photocontrol, referred to in this standard as "photocontrol"; (b) Locking-type mating receptacle, referred to in this standard as" receptacle"; and (c) Shorting and open caps.

NEMA (ASC C136) (National Electrical Manufacturers Association)

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Revision

BSR C136.53-202X, Roadway and Area Lighting Equipment - Enclosed Pendant-Mounted Luminaires (revision of ANSI C136.53-2017)

Stakeholders: Luminaire manufacturers, utilities
Project Need: This project is needed to add terminal-block screwdriver blade length specifications, update references, and update references and definitions.
Scope: This standard covers dimensional, maintenance, and light distribution features that permit the interchange of enclosed pendant-mounted luminaires whose center mass is directly below the mounting bracket. Luminaires of similar size, shape, and weight meeting the requirements of this standard may be used interchangeably within a system with the assurance that: (a) They will fit the mounting pendant; (b) Pole strength requirements will not change; (c) Light distribution will be similar; and (d) Similar maintenance procedures can be used.

NSAA (ASC B77) (National Ski Areas Association)

133 S Van Gordon Street, Suite 300 | Lakewood, CO 80228
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Supplement

BSR B77.1a-202x, Passenger Ropeways - Aerial Tramways, Aerial Lifts, Surface Lifts, Tows and Conveyors - Safety Standard (supplement to ANSI B77.1-2017)

Stakeholders: Manufacturers, operators, Authorities Having Jurisdiction on Passenger Ropeways.
Project Need: Prepare a short supplement to correct technical references, supply additional technical direction, and editorial corrections to the ANSI B77.1-2017 Standard.
Scope: This standard deals with passenger transportation systems that use cables, ropes, or other flexible elements for power transmission in the system. These systems include aerial tramways, detachable and fixed grip aerial lifts, surface lifts, tows, and conveyors.

TAPPI (Technical Association of the Pulp and Paper Industry)

15 Technology Parkway, Suite 115 | Peachtree Corners, GA 30092 www.tappi.org
Contact: Natasha Bush-Postell; standards@tappi.org

Revision

BSR/TAPPI T 1214 sp-201x, Interrelation of reflectance, R0; reflectivity, R; TAPPI opacity, C0.89; scattering, s; and absorption, k (revision of ANSI/TAPPI T 1214 sp-2012)

Stakeholders: Manufacturers of pulp, paper, packaging, or related products; consumers or converters of such products; and suppliers of equipment, supplies, or raw materials for the manufacture of such products.
Project Need: To conduct the required five-year review of an existing TAPPI/ANSI standard in order to revise it, if needed, to address new technology or correct errors.
Scope: The following interrelationships will be found particularly useful in predicting the effect upon opacity when a change occurs in either the basis weight or the reflectivity of a sheet of paper. These interrelationships can also be used to evaluate relative contributions of different pulps, fillers, and pigments to optical properties. Extensions of these procedures that are cited in the references can be used to evaluate multilayer structures such as coated paper or coated board.

TAPPI (Technical Association of the Pulp and Paper Industry)

15 Technology Parkway, Suite 115 | Peachtree Corners, GA 30092 www.tappi.org
Contact: Natasha Bush-Postell; standards@tappi.org

Revision

BSR/TAPPI T 1219 sp-202x, Storage of paper samples for optical measurements and color matching (revision of ANSI/TAPPI T 1219 sp-2012)

Stakeholders: Manufacturers of pulp, paper, packaging, or related products; consumers or converters of such products; and suppliers of equipment, supplies, or raw materials for the manufacture of such products.
Project Need: To conduct the required five-year review of an existing TAPPI/ANSI standard in order to revise it, if needed, to address new technology or correct errors.
Scope: Procedures for handling and storing samples are generally based on the premise that heat and light are the two primary factors affecting change. This standard practice lists several practices that have been found to be helpful in preserving samples.

UL (Underwriters Laboratories)

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

New Standard

BSR/UL 1836-202X, Standard for Safety for Motors and Generators for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations (new standard)

Stakeholders: Manufacturers of electric motors and generators for use in hazardous (classified) locations, supply chain for such equipment, experts in hazardous (classified) locations, regulators and AHJs, testing and certification labs.
Project Need: UL 1836 is currently an Outline of investigation. For several years, there has been an increased demand by the user community for certification of motors and generators for Division 2. UL 1836 is currently referenced in NFPA 70, the National Electrical Code.
Scope: These requirements cover electric motors and generators for use in hazardous (classified) locations in accordance with the National Electrical Code, NFPA 70, as follows:
- Class I, Division 2;
- Class II, Division 2; and
- Class III, Division 1 and 2.

These requirements cover both horizontal and vertical machines that have fractional and integral horsepower ratings. These requirements do not cover intrinsically safe motors.

USEMCSC (United States EMC Standards Corp.)

445 Hoes Lane | Piscataway, NJ 08854
Contact: Jennifer Santulli; j.santulli@ieee.org

New Standard

BSR C63.34-202x, Standard for Guidance on specifying requirements for the calibration and verification of EMC test equipment (new standard)

Stakeholders: EMC Testing Laboratories – Independent Testing Laboratories, Internal Testing Laboratories. Laboratory Accreditation Bodies. Calibration laboratories involved in calibrating EMC equipment.
Project Need: Testing laboratories do not always receive the calibrations necessary to meet the requirements of test methods, Accreditation Bodies' policies, and/or instrumentation specifications.
Scope: This Guide would offer guidance to testing laboratories requiring calibration of EMC equipment. It would include technical and reporting requirements of the test equipment to be calibrated. This guide will provide guidance for testing laboratories to appropriately draft purchasing documentation in accordance with ISO/IEC 17025, clause 6.6 "externally provided products and services" and verification of those services upon return to the lab.

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: January 2, 2022

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

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

Addenda

BSR/ASHRAE/ICC/IES/USGBC Addendum k to BSR/ASHRAE/ICC/IES/USGBC Standard 189.1-202x, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2020)
Addendum k proposes a new Section 8.3.1.11 for emergency response to air-quality issues that require an adjustment to ventilation rates. Depending on the conditions that arise, the control system would be equipped to allow for manual increases, decreases, or shutdown of ventilation. Exceptions apply for healthcare facilities, laboratories, and other situations as specified in the proposal.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

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

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

Addenda

BSR/ASHRAE/IES Addendum ac to ANSI/ASHRAE/IES Standard 90.1-202x, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2019)
Two modifications to Addendum ac are proposed in this ISC. First, parking-garage daylight transition zone requirements are adjusted to create alignment with IES Recommended Practice RP-8-18. Second, the language describing one of the exceptions to interior lighting power control requirements (Item 5, video/film recording/live performances) has been reworded.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

Comment Deadline: January 2, 2022

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

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

Revision

BSR/ASHRAE Standard 41.2-202x, Standard Methods for Air Velocity and Airflow Measurements (revision of ANSI/ASHRAE Standard 41.2-2018)
This revision of ANSI/ASHRAE Standard 41.2-2018 prescribes methods for air velocity and airflow measurement, including consideration of density effects.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: http://www.ashrae.org/standards-research--technology/public-review-drafts

NSF (NSF International)

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

Revision

BSR/NSF 2-202x (i42r2), Food Equipment (revision of ANSI/NSF 2-2019)
Equipment covered by this Standard includes, but is not limited to, bakery, cafeteria, kitchen, and pantry units, and other food handling and processing equipment such as tables and components, counters, tableware, hoods, shelves, and sinks.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: arose@nsf.org

NSF (NSF International)

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

Revision

BSR/NSF 51-202x (i22r2), Food Equipment Materials (revision of ANSI/NSF 51-2019)
This Standard is applicable to the materials and finishes used in the manufacture of food equipment (e.g., broiler, beverage dispenser, cutting board, stock pot). The Standard is also applicable to components such as tubing, sealants, gaskets, valves, and other items intended for various food equipment applications.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: arose@nsf.org

NSF (NSF International)

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

Revision

BSR/NSF/CAN 50-202x (i181r1), Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities (revision of ANSI/NSF/CAN 50-2020)
This Standard covers materials, chemicals, components, products, equipment, and systems, related to public and residential recreational water facility operation.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: jsnider@nsf.org

Comment Deadline: January 2, 2022

UL (Underwriters Laboratories)

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

Revision

BSR/UL 1254-2020 (R202x), Standard for Pre-Engineered Dry and Wet Chemical Extinguishing System Units (December 3, 2021) (revision of ANSI/UL 1254-2020)
This proposal covers: (1) Inclusion of engineered dry chemical extinguishing system units.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

Comment Deadline: January 17, 2022

AAFS (American Academy of Forensic Sciences)

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

New Standard

BSR/ASB Std 135-202x, Scene Detection and Processing in Forensic Anthropology (new standard)
This document provides requirements and best practices for forensic anthropology and forensic archaeology practitioners in proper scene detection, processing, handling of evidence, and maintenance of a chain of custody, commensurate with jurisdictional requirements. These requirements and best practices use archaeological techniques and principles as a foundation for scientifically appropriate detection, processing, documentation, and collection of human remains and associated evidence at a scene.
Single copy price: Free
Obtain an electronic copy from: This is a public comment period for a recirculation. Updated document, redline version, and comments can be viewed on the AAFS Standards Board website at: http://www.asbstandardsboard.org/notice-of-standard-development-and-coordination/.
Order from: Document will be provided electronically on AAFS Standards Board website (www.asbstandardsboard.org) free of charge
Send comments (copy psa@ansi.org) to: asb@aafs.org

AAFS (American Academy of Forensic Sciences)

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

New Standard

BSR/ASB Std 147-202x, Standard for Analyzing Skeletal Trauma in Forensic Anthropology (new standard)
This standard provides requirements for documenting, describing, interpreting, and reporting skeletal trauma in forensic anthropology. It also provides requirements for the determination of trauma timing (i.e., antemortem, perimortem, or postmortem) and the identification of the mechanism that produced the trauma (i.e., projectile, sharp, blunt, or thermal trauma). This document does not address the cause and manner of death.
Single copy price: Free
Obtain an electronic copy from: This is a public comment period for a recirculation. Updated document, redline version, and comments can be viewed on the AAFS Standards Board website at: http://www.asbstandardsboard.org/notice-of-standard-development-and-coordination/.
Order from: Document will be provided electronically on AAFS Standards Board website (www.asbstandardsboard.org) free of charge
Send comments (copy psa@ansi.org) to: asb@aafs.org

Comment Deadline: January 17, 2022

AAFS (American Academy of Forensic Sciences)

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

New Standard

BSR/ASB Std 149-202x, Standard for Taphonomic Observations in Support of the Postmortem Interval (new standard)
This standard provides requirements for describing and analyzing the taphonomic effects on human remains and associated evidence that can be observed in the laboratory as well as in the field. Also, it provides requirements for recording and reporting the taphonomic and contextual indicators that contribute to estimating the postmortem interval in sufficient detail to allow for independent interpretation, replication, and verification of conclusions drawn.
Single copy price: Free
Obtain an electronic copy from: This is a public comment period for a recirculation. Updated document, redline version, and comments can be viewed on the AAFS Standards Board website at: http://www.asbstandardsboard.org/notice-of-standard-development-and-coordination/.
Order from: Document will be provided electronically on AAFS Standards Board website (www.asbstandardsboard.org) free of charge
Send comments (copy psa@ansi.org) to: asb@aafs.org

ACP (American Clean Power Association)

1501 M Street NW, Suite 900, Washington, DC 20005 | standards@cleanpower.org, www.cleanpower.org

New Standard

BSR/ACP 111-1-202x, Wind Turbine Sound Modeling (new standard)
Modeling of wind turbine sound levels at far-field positions (e.g., residences) is conducted to support preconstruction, permitting analysis as well as various research efforts. The purpose of this standard is to establish a uniform set of modeling parameters for the International Organization for Standardization (ISO) 9613 propagation modeling procedures to ensure a uniform and comparable basis. The establishment of these standard modeling parameters does not imply that work conducted prior to the establishment of this standard is incorrect. Rather, the intent of this standard is to avoid potential future confusion by providing consistency of predicted sound levels published in research or permitting documentation, given the potential for different modeling parameter settings to result in disparate results.
Single copy price: $Draft is available free of charge
Obtain an electronic copy from: https://cleanpower.org/standards-development/
Send comments (copy psa@ansi.org) to: https://cleanpower.org/standards-development/

Comment Deadline: January 17, 2022

ANS (American Nuclear Society)

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

Reaffirmation

BSR/ANS 58.14-2011 (R202x), Safety and Pressure Integrity Classification Criteria for Light Water Reactors (reaffirmation of ANSI/ANS 58.14-2011 (R2017))
This standard specifies deterministic criteria for the safety classification of items (i.e., SSCs and parts (including consumables)) in a LWR NPP as either safety-related (Q), supplemented grade (S), or non-safety-related (N). Criteria provide and establish a procurement subclassification within Class Q, called “commercial grade” (C). In addition, pressure integrity classification criteria provide for the assignment of Classes 1 to 5 to the pressure-retaining portion of items.
Single copy price: $194.00
Obtain an electronic copy from: orders@ans.org
Order from: orders@ans.org
Send comments (copy psa@ansi.org) to: pschroeder@ans.org

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

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

New Standard

BSR/APCO 1.121.1-202x, Managing Operational Overload in the Emergency Communication Center (new standard)
This standard will provide emergency communication center management with best practices for planning, mitigating, and handling operational overload. Common situations include, but are not limited to, severe weather-related incidents (tornado, hurricane, flooding); natural or manmade disaster; mutual-aid incidents; as well as day-to-day overload incidents.
Single copy price: Free
Obtain an electronic copy from: https://www.apcointl.org/services/standards/standards-review-comment/
Send comments (copy psa@ansi.org) to: Mindy Adams, apcostandards@apcointl.org

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

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

Addenda

BSR/ASHRAE/IES Addendum ag to BSR/ASHRAE/IES Standard 90.1-202x, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2019)
Addendum ag introduced a new proposed method to Standard 90.1 entitled the “Total System Performance Ratio (TSPR)” that would provide an additional path for mechanical system compliance. This second public review draft takes consideration of various comments received by committee members and reviewers of the first draft. A full list of changes is provided in the foreword; in summary, clarifications to terms have been made throughout, the new Appendix J was modified to provide more accurate information about applicable reference buildings and models, this version is more explicit about determining eligibility to use TSPR in lieu of the mechanical prescriptive path, and Table J2.2.3 was modified to include additional inputs and to specify applicable systems for each category.
Single copy price: $35.00
Obtain an electronic copy from: standards.section@ashrae.org
Send comments (copy psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

Comment Deadline: January 17, 2022

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

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

Addenda

BSR/ASHRAE/IES Addendum bg to BSR/ASHRAE/IES Standard 90.1-202x, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2019)
This proposal parallels changes introduced via Addendum cb, which contains the newly approved 90.1 TPS and clarifications to defined terms related to "sites." Addendum cb is currently available for public review. Addendum bg applies concepts of Addendum cb to Sections 8, 9, 10, 11, and Appendix G in order to create consistency throughout the standard.
Single copy price: $35.00
Obtain an electronic copy from: standards.section@ashrae.org
Send comments (copy psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

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

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

New Standard

BSR/ASHRAE Standard 15.2P-202x, Safety Standard for Refrigeration Systems in Residential Applications (new standard)
This is the 4th Public Review (Independent Substantive Change) of BSR/ASHRAE Standard 15.2P, Safety Standard for Refrigeration Systems in Residential Applications. This independent substantive change draft to the previous (3rd) public review draft reflects input from comments received during the previous public review draft.
Single copy price: $35.00
Obtain an electronic copy from: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts
Order from: standards.section@ashrae.org
Send comments (copy psa@ansi.org) to: Online Comment Database at https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

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

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

Revision

BSR/ASHRAE Standard 120-202X, Method of Testing to Determine Flow Resistance of HVAC Ducts and Fittings (revision of ANSI/ASHRAE Standard 120-2017)
This standard establishes uniform methods of laboratory testing of HVAC ducts and fittings to determine their resistance to airflow.
Single copy price: $35.00
Obtain an electronic copy from: Free download at http://www.ashrae.org/standards-research--technology/public-review-drafts
Order from: Send request to standards.section@ashrae.org
Send comments (copy psa@ansi.org) to: Online Comment Database at http://www.ashrae.org/standards-research--technology/public-review-drafts

Comment Deadline: January 17, 2022

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

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

Revision

BSR/ASHRAE Standard 139-202X, Method of Testing for Rating Desiccant Dehumidifiers Utilizing Heat for the Regeneration Process (revision of ANSI/ASHRAE Standard 139-2019)
The purpose of this standard is to provide test methods for determining the moisture removal capacity of heat-regenerated desiccant dehumidifiers as well as the coincident thermal energy performance so that comparative evaluations of capacity and performance can be made irrespective of the type or make of the device.
Single copy price: $35.00
Obtain an electronic copy from: Free download at http://www.ashrae.org/standards-research--technology/public-review-drafts
Order from: Send request to standards.section@ashrae.org
Send comments (copy psa@ansi.org) to: Online Comment Database at http://www.ashrae.org/standards-research--technology/public-review-drafts

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

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

Revision

BSR/ASHRAE Standard 174-202X, Method of Test for Rating Desiccant-Based Dehumidification Equipment (revision of ANSI/ASHRAE Standard 174-2018)
This standard provides test methods for rating the performance of desiccant-based dehumidification equipment.
Single copy price: $35.00
Obtain an electronic copy from: Free download at http://www.ashrae.org/standards-research--technology/public-review-drafts
Order from: Send request to standards.section@ashrae.org
Send comments (copy psa@ansi.org) to: Online Comment Database at http://www.ashrae.org/standards-research--technology/public-review-drafts

AWS (American Welding Society)

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

Revision

BSR/AWS D1.7/D1.7M-202x, Guide for Strengthening and Repairing Existing Structures (revision of ANSI/AWS D1.7/D1.7M:2010)
This guide provides information on strengthening and repairing existing structures. Included are sections on weldability, evaluation of existing welds, testing and sampling, heat straightening, and damage repair.
Single copy price: $62.00
Obtain an electronic copy from: jmolin@aws.org
Order from: jmolin@aws.org
Send comments (copy psa@ansi.org) to: Jennifer Molin; jmolin@aws.org

Comment Deadline: January 17, 2022

CAGI (Compressed Air and Gas Institute)

1300 Sumner Avenue, Cleveland, OH 44115 | cagi@cagi.org, www.cagi.orgwelcome.htm

New Standard

BSR/CAGI BL 300-202x, Performance Test Code for Electric Driven Low Pressure Air Compressor Packages (new standard)
This document specifies the performance test method of electrically driven low-pressure compressor packages, where the compression is performed by positive displacement or dynamic compression. Low-pressure air compressor packages are often referred to as “blowers”.
Single copy price: Free
Obtain an electronic copy from: cagi@cagi.org
Send comments (copy psa@ansi.org) to: Leslie Schraff, cagi@cagi.org

CSA (CSA America Standards Inc.)

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

Addenda

BSR/CSA NGV 3.1-202x, Fuel system components for compressed natural gas-powered vehicles (addenda to ANSI/CSA NGV 3.1-2020)
This Standard establishes requirements for newly produced compressed natural-gas fuel system components, intended for use on natural-gas-powered vehicles, including: check valves; manual valves; manual container valves; automatic valves; gas injectors; pressure indicators and regulators; gas flow adjusters; gas/air mixers; pressure relief valves and devices; excess flow valves; gas-tight housing and ventilation hoses; rigid fuel lines; flexible fuel lines, hoses, and assemblies; filters; fittings; and discharge line closures.
Single copy price: Free
Obtain an electronic copy from: ANSI.contact@csagroup.org
Send comments (copy psa@ansi.org) to: ANSI.contact@csagroup.org

ECIA (Electronic Components Industry Association)

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

Revision

BSR/EIA 364-23D-202x, Low Level Contact Resistance Test Procedure for Electrical Connectors and Sockets (revision and redesignation of ANSI/EIA 364-23C-2006 (R2017))
This test procedure may apply to any type or combination of current carrying members such as pin and socket contacts, relay contacts, wire and crimp connectors, or printed circuit board and contact.
Single copy price: $75.00
Obtain an electronic copy from: global.ihs.com
Order from: Global Engineering Documents, (800) 854-7179, www.global.ihs.com
Send comments (copy psa@ansi.org) to: Ed Mikoski; emikoski@ecianow.org

Comment Deadline: January 17, 2022

FM (FM Approvals)

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

Reaffirmation

BSR/FM 4880-2017 (R202x), Evaluating the Fire Performance of Insulated Building Panel Assemblies and Interior Finish Materials (reaffirmation of ANSI/FM 4880-2017)
This standard sets the performance requirements for insulated wall or wall and/or roof ceiling assemblies, plastic interior finish materials, plastic exterior building panels, wall/ceiling coating systems, and interior or exterior finish systems in wall or wall and roof/ceiling constructions installed to maximum heights of 30 ft or 50 ft (9.1 m or 15.2 m) or unlimited heights when exposed to an ignition source simulating a building fire as described in this standard.
Single copy price: Free
Obtain an electronic copy from: josephine.mahnken@fmapprovals.com
Send comments (copy psa@ansi.org) to: josephine.mahnken@fmapprovals.com

GBI (Green Building Initiative)

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

New Standard

BSR/GBI 02-202x, Green Globes Assessment Protocol for Existing Buildings (new standard)
The Standard includes criteria and practices for resource-efficient, healthy, resilient, and environmentally preferable construction of commercial existing buildings. Six areas of green building design will be included: environmental, social, and governance management; site; energy; water; materials; and indoor environment quality.
Single copy price: $25.00 USD (Paper); $0 USD (Online)
Obtain an electronic copy from: https://thegbi.org/ansi
Order from: Emily Marx; emarx@thegbi.org
Send comments (copy psa@ansi.org) to: Same

NEMA (ASC C119) (National Electrical Manufacturers Association)

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

Revision

BSR C119.0-202x, Electric Connectors -Testing Methods and Equipment Common to the ANSI C119 Family of Standards (revision of ANSI C119.0-2015)
This standard covers methods and equipment for performing the connector qualification tests common to the ANSI C119 family of standards. Tests that are unique to only one ANSI C119 product standard are not covered in this document and are described in the applicable product standard.
Single copy price: Free
Obtain an electronic copy from: www.nema.org
Send comments (copy psa@ansi.org) to: pau_orr@nema.org

Comment Deadline: January 17, 2022

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

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

Revision

BSR Z245.2-202x, Standard for Equipment Technology and Operations for Wastes and Recyclable Materials (revision, redesignation and consolidation of ANSI Z245.2-2013 and ANSI Z245.21-2013)
This update is to bring consistency in terms and descriptions to the Z245.2 standard were applicable with the Z245.5 standard. An updated Z245.2 standard will allow for clarifications that may have arisen since publication in 2013. This standard is for the safety requirements for the design, construction, reconstruction, installation, modification, maintenance, repair, operation, and use of commercial compacting equipment used in apartment, institutional, commercial, and industrial locations, including transfer stations and recycling facilities. This standard combines ANSI Z245.2 and ANSI Z245.21-2013 along with bringing commonality with ANSI Z245.5 and ANSI Z245.51-2013 combined for simplicity and effectiveness. This standard does not apply to compactors commonly referred to as domestic or household compactor appliances. Stationary compactors also have been addressed previously in ANSI Z245.2 and ANSI Z245.21-2008, ANSI Z245.2-1997, ANSI Z245.2-1992, and ANSI Z245.1 (1978 and 1984 editions), Mobile Refuse Collection and Compaction Equipment, Safety Requirements. For mobile collecting and compacting equipment, refer to ANSI Z245.1.
Single copy price: Free
Obtain an electronic copy from: standards@wasterecycling.org
Send comments (copy psa@ansi.org) to: Kirk Sander, standards@wasterecycling.org

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

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

Revision

BSR Z245.5-202x, Equipment Technology and Operations for Wastes and Recyclable Materials - Baling Equipment - Safety Requirements for Installation, Maintenance, Modification, and Repair Operations (revision, redesignation and consolidation of ANSI Z245.5-2013 and ANSI Z245.51-2013)
This update is to bring consistency in terms and descriptions to the Z245.2 standard were applicable with the Z245.5 standard. An updated Z245.2 standard will allow for clarifications that may have arisen since publication in 2013. This Standard is applicable to the safety requirements for the design and construction of commercial baling equipment commonly used in recycling, solid waste disposal, and raw materials handling. This standard combines ANSI Z245.5 and ANSI Z245.51-2013 along with bringing commonality with ANSI Z245.2 and ANSI Z245.21-2013 combined for simplicity and effectiveness. This standard brings commonality with ANSI Z245.2 for combined simplicity and effectiveness.
Single copy price: Free
Obtain an electronic copy from: standards@wasterecycling.org
Send comments (copy psa@ansi.org) to: Kirk Sander, standards@wasterecycling.org

Comment Deadline: January 17, 2022

SCTE (Society of Cable Telecommunications Engineers)

140 Philips Rd, Exton, PA 19341 | kcooney@scte.org, www.scte.org

Reaffirmation

BSR/SCTE 26-2017 (R202x), Home Digital Network Interface Specification with Copy Protection (reaffirmation of ANSI/SCTE 26-2017)
The need for interfaces between cable set top boxes and digital television (DTV) receivers is one element of a general movement to interconnect multiple audio/visual (A/V) devices on a common bus or network. The IEEE 1394 interface has emerged as the preferred tool to accomplish this goal. This specification contains requirements and options for an IEEE 1394 digital interface between a cable TV set top box (called a Host Device in this standard because it "hosts" a removable security module), and a DTV receiver.
Single copy price: $50.00
Obtain an electronic copy from: admin@standards.scte.org
Order from: Global Engineering Documents, (800) 854-7179, www.global.ihs.com
Send comments (copy psa@ansi.org) to: admin@standards.scte.org

SCTE (Society of Cable Telecommunications Engineers)

140 Philips Rd, Exton, PA 19341 | kcooney@scte.org, www.scte.org

Revision

BSR/SCTE 04-202x, Test Method for F Connector Return Loss (revision of ANSI/SCTE 04-2014)
The purpose of this document is to provide a test method for measuring return loss of "F" male connectors with cable in the frequency range of 5 MHz to 3000 MHz by utilizing the time domain-gating feature of the network analyzer. Male "F" connectors that conform to SCTE 123, Specification for "F" Connector, Male, Feed-Through, or SCTE 124, Specification for "F" Connector, Male, Pin Type, that are used with 75-ohm flexible RF coaxial cable, such as, but not limited to, SCTE 74, Specification for Braided 75-ohm Flexible RF Coaxial Drop Cable.
Single copy price: $50.00
Obtain an electronic copy from: admin@standards.scte.org
Order from: Global Engineering Documents, (800) 854-7179, www.global.ihs.com
Send comments (copy psa@ansi.org) to: admin@standards.scte.org

SCTE (Society of Cable Telecommunications Engineers)

140 Philips Rd, Exton, PA 19341 | kcooney@scte.org, www.scte.org

Revision

BSR/SCTE 05-202x, Test Method for F Connector Return Loss In-Line Pair (revision of ANSI/SCTE 05-2014)
The purpose of this procedure is to provide instructions to measure the return loss characteristics of a pair of type "F" connectors and the cable interface, inserted in the middle of a cable, from 5 MHz to 3000 MHz. This test method makes use of the time-domain gating feature of the network analyzer to remove the near-end and far-end test set connector effects from a type "F" pair in the middle of the cable, joined by a type "F" (female) – type "F" (female) adapter. Return loss specifications may require a tiered specification over the frequency range due to technological implications.
Single copy price: $50.00
Obtain an electronic copy from: admin@standards.scte.org
Order from: Global Engineering Documents, (800) 854-7179, www.global.ihs.com
Send comments (copy psa@ansi.org) to: admin@standards.scte.org

Comment Deadline: January 17, 2022

SCTE (Society of Cable Telecommunications Engineers)

140 Philips Rd, Exton, PA 19341 | kcooney@scte.org, www.scte.org

Revision

BSR/SCTE 153-202x, Drop Passives: Splitters, Couplers and Power Inserters (revision of ANSI/SCTE 153-2016)
The purpose of this document is to recommend mechanical, environmental, and electrical standards for broadband radio frequency (RF) devices whose primary purpose is to divide signals presented to an input port among two or more output ports with a fixed division ratio that is nominally independent of frequency within the specified bandwidth limits of the device. Alternately, such devices can be used to combine signals from several input ports into a common output port. The most common use for such devices is on-premises RF signal distribution.
Single copy price: $50.00
Obtain an electronic copy from: admin@standards.scte.org
Order from: Global Engineering Documents, (800) 854-7179, www.global.ihs.com
Send comments (copy psa@ansi.org) to: admin@standards.scte.org

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | Doreen.Stocker@ul.org, https://ul.org/

National Adoption

BSR/UL 62841-2-6-202x, Standard for Safety for Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety - Part 2-6: Particular Requirements for Hand-Held Hammers (national adoption with modifications of IEC 62841-2-6)
Proposed adoption o the first edition of IEC 62841-2-6, Standard for Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety - Part 2-6: Particular Requirements for Hand-Held Hammers, as the first edition of UL 62841-2-6.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/Home/ProposalsDefault.aspx
Order from: http://www.shopulstandards.com
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

UL (Underwriters Laboratories)

47173 Benicia Street, Fremont, CA 94538 | Linda.L.Phinney@ul.org, https://ul.org/

New Standard

BSR/UL 2263-202X, Standard for Safety for Electric Vehicle Cable (new standard)
Proposed first edition of the Standard for Safety for Electric Vehicle Cable. The standard specifies the requirements for electric vehicle cables rated up to 1000 V AC and DC intended to be part of a cord set carried in the vehicle for connection to a charging station or for permanent or temporary connection to Electric Vehicle Supply Equipment (EVSE) or for connection to the branch circuit supplying the EVSE or vice-versa for use in accordance with CSA C22.1, Canadian Electrical Code (CE Code), Part I in Canada, NOM-001-SEDE, La Norma de Instalaciones Electricas (Mexican Electrical Code [MEC]), in Mexico, and NFPA 70, National Electrical Code (NEC), in the United States.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/Home/ProposalsDefault.aspx
Order from: http://www.shopulstandards.com
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

Comment Deadline: January 17, 2022

UL (Underwriters Laboratories)

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

Reaffirmation

BSR/UL 506-2008 (R202x), Standard for Safety for Specialty Transformers (reaffirmation of ANSI/UL 506-2008 (R2017))
This proposal covers the reaffirmation and continuance of the Fourteenth Edition of the Standard for Specialty Transformers, UL 506, as an standard.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/Home/ProposalsDefault.aspx
Order from: http://www.shopulstandards.com
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

UL (Underwriters Laboratories)

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

Reaffirmation

BSR/UL 5085-3-2012 (R202x), Standard for Safety for Low Voltage Transformers - Part 3: Class 2 and Class 3 Transformers (reaffirmation of ANSI/UL 5085-3-2012 (R2017))
This proposal covers the reaffirmation and continuance of the first edition of the Standard for Low Voltage Transformers - Part 3: Class 2 and Class 3 Transformers, UL 5085-3, as an standard.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/Home/ProposalsDefault.aspx
Order from: http://www.shopulstandards.com
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

Comment Deadline: February 1, 2022

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

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

New Standard

INCITS 549-202x, Information technology - Zoned Device ATA Command Set - 2 (ZAC-2) (new standard)
Storage devices are embracing fundamental changes in technology. New devices based on this technology allow random reading of data that is already written, while requiring writing to occur at specific locations on their media. ZAC-2 builds on the work accomplished in ZAC to continue and improve support for the new technology. The following should be considered for inclusion into ZAC-2, corrections for difficulties discovered during the development of first-adopter products based on ZAC; enhanced command and error handling definitions to support new customer requirements for the technology; and other capabilities that may fit within the scope of this project.
Single copy price: Free
Obtain an electronic copy from: https://standards.incits.org/apps/group_public/document.php?document_id=136132&wg_abbrev=eb
Order from: https://standards.incits.org/apps/group_public/document.php?document_id=136132&wg_abbrev=eb
Send comments (copy psa@ansi.org) to: comments@standards.incits.org

Withdrawal of an ANS by ANSI-Accredited Standards Developer

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

TAPPI (Technical Association of the Pulp and Paper Industry)

15 Technology Parkway, Suite 115, Peachtree Corners, GA 30092 | standards@tappi.org, www.tappi.org

TAPPI intends to reinstate this standard as a newly proposed ANS and a PINS announcement will be published in Standards Action - Dec-10th 2021.

ANSI/TAPPI T 1214 sp-2012, Interrelation of reflectance, R0; reflectivity, R8; TAPPI opacity, C0.89; scattering, s; and absorption, k
Questions may be directed to: Natasha Bush-Postell; standards@tappi.org

TAPPI (Technical Association of the Pulp and Paper Industry)

15 Technology Parkway, Suite 115, Peachtree Corners, GA 30092 | standards@tappi.org, www.tappi.org

TAPPI intends to reinstate this standard as a newly proposed ANS and a PINS announcement will be published in Standards Action - Dec-10th 2021.

ANSI/TAPPI T 1219 sp-2012, Storage of paper samples for optical measurements and color matching
Questions may be directed to: Natasha Bush-Postell; standards@tappi.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.

AGMA (American Gear Manufacturers Association)

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

Reaffirmation
ANSI/AGMA 6013-B-2016 (R2021), Standard for Industrial Enclosed Gear Drives (reaffirmation of ANSI/AGMA 6013-B -2016) Final Action Date: 11/23/2021

Reaffirmation
ANSI/AGMA 6113-B-2016 (R2021), Standard for Industrial Enclosed Gear Drives- Metric Edition (reaffirmation of ANSI/AGMA 6113-B-2016) Final Action Date: 11/29/2021

AWS (American Welding Society)

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

New Standard
ANSI/AWS B2.1-22-015-2022, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding of Aluminum (M/P-22 to M/P-22), 18 through 10 Gauge, ER4043 or R4043, in the As-Welded Condition, with or without Backing (new standard) Final Action Date: 11/29/2021

New Standard
ANSI/AWS B2.5/B2.5M-2021, Specification for Measurement of Welding Power Source Output for Calculation of Welding Procedure Heat Input (new standard) Final Action Date: 11/29/2021

HI (Hydraulic Institute)

300 Interpace Parkway, Bldg. A 3rd Floor, Parsippany, NJ 07054 | jlynott@pumps.org, www.pumps.org

Revision
ANSI/HI 12.1-12.6-2021, Rotodynamic Centrifugal Slurry Pumps for Nomenclature, Definitions, Applications, and Operation (revision of ANSI/HI 12.1-12.6-2016) Final Action Date: 11/23/2021

ISA (International Society of Automation)

67 Alexander Drive, Research Triangle Park, NC 27709 | ebrazda@isa.org, www.isa.org

Revision
ANSI/ISA 67.02.01-2021, Nuclear Safety-Related Instrument-Sensing Line Piping and Tubing Standard for Use in Nuclear Power Plants (revision of ANSI/ISA 67.02.01-2014) Final Action Date: 11/29/2021

NEMA (ASC C8) (National Electrical Manufacturers Association)

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

Revision
ANSI ICEA T-28-562-2021, Test Method for Measurement of Hot Creep of Polymeric Insulations (revision of ANSI/ICEA T-28-562-2003 (R2014)) Final Action Date: 11/29/2021

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.

ACP (American Clean Power Association)

1501 M Street NW, Suite 900, Washington, DC 20005 | standards@cleanpower.org, www.cleanpower.org
Michele Mihelic; standards@cleanpower.org

BSR/ACP 111-1-202x, Wind Turbine Sound Modeling (new standard)

CAGI (Compressed Air and Gas Institute)

1300 Sumner Avenue, Cleveland, OH 44115 | cagi@cagi.org, www.cagi.orgwelcome.htm
Leslie Schraff; cagi@cagi.org

BSR/CAGI BL 300-202x, Performance Test Code for Electric Driven Low Pressure Air Compressor Packages (new standard)

ECIA (Electronic Components Industry Association)

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

BSR/EIA 364-23D-202x, Low-Level Contact Resistance Test Procedure for Electrical Connectors and Sockets (revision and redesignation of ANSI/EIA 364-23C-2006 (R2017))

BSR/EIA 364-12A-2005 (R202x), Restricted Entry Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-12A-2005 (R2017))

BSR/EIA 364-15C-2016 (R202x), Contact Strength Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-15C-2016)

BSR/EIA 364-62A-2004 (R202x), Terminal Strength Test Procedure for Electrical Connectors and Sockets (reaffirmation of ANSI/EIA 364-62A-2004 (R2017))

BSR/EIA 364-81A-2005 (R202x), Combustion Characteristics Test Procedure for Electrical Connector Housings, Connector Assemblies and Sockets (reaffirmation of ANSI/EIA 364-81A -2005 (R2017))

BSR/EIA 364-82A-2005 (R202x), Corrosivity of Plastics Test Procedure for Electrical Connector and Socket Housings (reaffirmation of ANSI/EIA 364-82A-2005 (R2017))

BSR/EIA 364-91B-2016 (R202x), Dust Test Procedure for Electrical Connectors and Sockets (reaffirmation of ANSI/EIA 364-91B-2016)

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

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

INCITS 496-2012/AM 2-202x, Information Technology - Fibre Channel - Security Protocols - 2/Amendment 2 (FC-SP-2/AM 2) (addenda to INCITS 496-2012 [R2017]
INCITS 496-2012/AM1-2015 [R2020])

INCITS 549-202x, Information technology - Zoned Device ATA Command Set - 2 (ZAC-2) (new standard)

NCMA (National Contract Management Association)

21740 Beaumeade Circle, Suite 125, Ashburn, VA 20147 | jwilkinson@thinc-llc.com, www.ncmahq.org
John Wilkinson; jwilkinson@thinc-llc.com

BSR/NCMA ASD 1-2019 (R202x), Contract Management Standard (reaffirmation of ANSI/NCMA ASD 1-2019)

NEMA (ASC C136) (National Electrical Manufacturers Association)

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

BSR C136.2-202X, Roadway and Area Lighting Equipment - Dielectric Withstand and Electrical Transient - Immunity Requirements (revision of ANSI C136.2-2018)

BSR C136.10-202X, Roadway and Area Lighting Equipment - Locking-Type Photocontrol Devices and Mating Receptacles - Physical and Electrical - Interchangeability and Testing (revision of ANSI C136.10-2017)

BSR C136.53-202X, Roadway and Area Lighting Equipment - Enclosed Pendant-Mounted Luminaires (revision of ANSI C136.53-2017)

NSF (NSF International)

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

BSR/NSF 2-202x (i42r2), Food Equipment (revision of ANSI/NSF 2-2019)

BSR/NSF 51-202x (i22r2), Food Equipment Materials (revision of ANSI/NSF 51-2019)

BSR/NSF/CAN 50-202x (i181r1), Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities (revision of ANSI/NSF/CAN 50-2020)

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

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

BSR Z245.2-202x, Standard for Equipment Technology and Operations for Wastes and Recyclable Materials (revision, redesignation and consolidation of ANSI Z245.2-2013 and ANSI Z245.21-2013)

BSR Z245.5-202x, Equipment Technology and Operations for Wastes and Recyclable Materials - Baling Equipment - SafetyRequirements for Installation, Maintenance, Modification, Repair Operations (revision, redesignation and consolidation of ANSI Z245.5-2013 and ANSI Z245.51-2013)

Call for Members (ANS Consensus Bodies)

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 affected 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 categories:

• Service Providers

• Users

• Standards Development Organizations and Consortia

• Academic Institutions

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.

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.

Accreditation Announcements (Standards Developers)

Approval of Reaccreditation – ASD

BOMA - Building Owners and Managers Association

Effective November 30, 2021

The reaccreditation of **BOMA - Building Owners and Managers Association** has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on BOMA-sponsored American National Standards, effective **November 30, 2021**. For additional information, please contact: Lisa Prats, Building Owners and Managers Association (BOMA) | 1101 15th Street, NW, Suite 800, Washington, DC 20005 | (202) 326-6338, lprats@boma.org

Approval of Reaccreditation – ASD

RIC - Remanufacturing Industries Council

Effective December 1, 2021

The reaccreditation of **RIC - Remanufacturing Industries Council** has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on RIC-sponsored American National Standards, effective **December 1, 2021**. For additional information, please contact: Michelle Hayes, Remanufacturing Industries Council (RIC)| 150 Lucius Gordon Drive, Suite 127, West Henrietta, NY 14586 | (585) 380 -8040, mhayes@remancouncil.org

Public Review of Revised ASD Operating Procedures

ASIS - ASIS International

Comment Deadline: January 3, 2022

ASIS International, an ANSI Member and Accredited Standards Developer, has submitted revisions to its currently accredited operating procedures for documenting consensus on ASIS-sponsored American National Standards, under which it was last reaccredited in 2020. As the revisions appear to be substantive in nature, the reaccreditation process is initiated.

To obtain a copy of the revised procedures or to offer comments, please contact: Aivelis Opicka, ASIS International (ASIS) | 1625 Prince Street, Alexandria, VA 22314-2818 | (703) 518-1439, aivelis.opicka@asisonline.org

Click here to view/download a copy of the revisions during the public review period.

Please submit any public comments on the revised procedures to ASIS by **January 3, 2022**, with a copy to the ExSC Recording Secretary in ANSI's New York Office (jthompso@ANSI.org).

Accreditation Announcements (Standards Developers)

Public Review of Revised ASD Operating Procedures

OPEI - Outdoor Power Equipment Institute

Comment Deadline: January 3, 2022

The **OPEI - Outdoor Power Equipment Institute**, an ANSI Member and Accredited Standards Developer, has submitted revisions to its currently accredited operating procedures for documenting consensus on OPEI-sponsored American National Standards, under which it was last reaccredited in 2019. As the revisions appear to be substantive in nature, the reaccreditation process is initiated.

To obtain a copy of the revised procedures or to offer comments, please contact: Greg Knott, Outdoor Power Equipment Institute (OPEI) | 1605 King Street, Alexandria, VA 22314 | (703) 549-7600, gknott@opei.org

Click here to view/download a copy of the revisions during the public review period.

Please submit any public comments on the revised procedures to OPEI by **January 3, 2022**, with a copy to the ExSC Recording Secretary in ANSI's New York Office (jthompso@ANSI.org).

American National Standards (ANS) Process

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

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

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

- ANSI Essential Requirements: Due process requirements for American National Standards (always current edition): www.ansi.org/essentialrequirements
- ANSI Standards Action (weekly public review announcements of proposed ANS and standards developer accreditation applications, listing of recently approved ANS, and proposed revisions to ANS-related procedures): www.ansi.org/standardsaction
- Accreditation information – for potential developers of American National Standards (ANS): www.ansi.org/sdoaccreditation
- ANS Procedures, ExSC Interpretations and Guidance (including a slide deck on how to participate in the ANS process and the BSR-9 form): www.ansi.org/asd
- Lists of ANSI-Accredited Standards Developers (ASDs), Proposed ANS and Approved ANS: www.ansi.org/asd
- American National Standards Key Steps: www.ansi.org/anskeysteps
- American National Standards Value: www.ansi.org/ansvalue
- ANS Web Forms for ANSI-Accredited Standards Developers - PINS, BSR8|108, BSR11, Technical Report: 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)
- 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)
- UL (Underwriters Laboratories)

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

ANSI-Accredited Standards Developers (ASD) Contacts

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

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

Teresa Ambrosius
tambrosius@aafs.org

ACP
American Clean Power Association
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Washington, DC 20005
www.cleanpower.org

Michele Mihelic
standards@cleanpower.org

AGMA
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1001 N Fairfax Street, 5th Floor
Alexandria, VA 22314
www.agma.org

Amir Aboutaleb
tech@agma.org

ANS
American Nuclear Society
555 North Kensington Avenue
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www.ans.org

Kathryn Murdoch
kmurdoch@ans.org

APCO
Association of Public-Safety Communications Officials-International
351 N. Williamson Boulevard
Daytona Beach, FL 32114
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ASHRAE
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CAGI
Compressed Air and Gas Institute
1300 Sumner Avenue
Cleveland, OH 44115
www.cagi.orgwelcome.htm

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CSA
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Debbie Chesnik
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ECIA
Electronic Components Industry Association
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Herndon, VA 20171
www.ecianow.org

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ISO Draft International Standards

This section lists proposed standards that the International Organization for Standardization (ISO) is 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 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. The final date for offering comments is listed after each draft.

ORDERING INSTRUCTIONS

ISO Drafts can be made available by contacting ANSI's Customer Service department. Please e-mail your request for an ISO 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.

Applications of statistical methods (TC 69)

ISO/DIS 24185, Evaluation of the uncertainty of measurements from a stationary autocorrelated process - 2/11/2022, $62.00

Banking and related financial services (TC 68)

ISO/DIS 8583, Financial transaction card originated messages - Interchange message specifications - 2/11/2022, $215.00

Corrosion of metals and alloys (TC 156)

ISO/DIS 4680, Corrosion of metals and alloys - Method of uniaxial constant load test for evaluating susceptibility of metals and alloys to stress corrosion cracking in high-purity water at high temperatures - 2/11/2022, $98.00

Dentistry (TC 106)

ISO/DIS 5467-1, Dentistry - Mobile dental units and patient chairs - Part 1: General requirements - 2/11/2022, $62.00

Fluid power systems (TC 131)

ISO/DIS 16030, Pneumatic fluid power - Connections - Ports and stud ends - 2/11/2022, $67.00

Geographic information/Geomatics (TC 211)

ISO/DIS 19156, Geographic information - Observations, measurements and samples - 2/11/2022, $175.00

Graphical symbols (TC 145)

ISO/DIS 7001, Graphical symbols - Registered Public information symbols - 2/11/2022, $175.00

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

ISO/FDIS 10423, Petroleum and natural gas industries - Drilling and production equipment - Wellhead and tree equipment - 2/11/2022, $33.00

Metallic and other inorganic coatings (TC 107)

ISO/DIS 6769, Vitreous and porcelain enamels - Determination of surface scratch hardness according to the Mohs scale - 2/11/2022, $33.00

ISO/FDIS 9220, Metallic coatings - Measurement of coating thickness - Scanning electron microscope method - 2/11/2022, $58.00

ISO/DIS 13807, Vitreous and porcelain enamels - Determination of crack formation temperature in the thermal shock testing of enamels for the chemical industry - 2/11/2022, $46.00

Non-destructive testing (TC 135)

ISO/DIS 7963, Non-destructive testing - Ultrasonic testing - Specification for calibration block No. 2 - 2/11/2022, $53.00

Paints and varnishes (TC 35)

ISO/DIS 1522, Paints and varnishes - Pendulum damping test - 2/11/2022, $53.00

Personal safety - Protective clothing and equipment (TC 94)

ISO 18639-4:2018/DAmd 1, PPE ensembles for firefighters undertaking specific rescue activities - Part 4: Gloves - Amendment 1 - 2/11/2022, $40.00

Petroleum products and lubricants (TC 28)

ISO/FDIS 7507-2, Petroleum and liquid petroleum products - Calibration of vertical cylindrical tanks - Part 2: Optical-reference-line method or electro-optical distance-ranging method - 2/11/2022, $93.00

Photography (TC 42)

ISO/FDIS 18909, Photography - Processed photographic colour films and paper prints - Methods for measuring image stability - 2/11/2022, $119.00

ISO/DIS 18951-1, Imaging materials - Scratch resistance of photographic prints - Part 1: General test method - 2/11/2022, $58.00

ISO/DIS 18951-2, Imaging materials - Scratch resistance of photographic prints - Part 2: Sclerometer test method - 2/11/2022, $53.00

Pulleys and belts (including veebelts) (TC 41)

ISO/DIS 9608, V-belts and V-ribbed belts - Uniformity of belts - Test method for determination of centre distance variation - 2/11/2022, $33.00

Road vehicles (TC 22)

ISO/DIS 11154, Road vehicles - Roof load carriers - 2/11/2022, $119.00

ISO/DIS 20730-2, Road vehicles - Vehicle interface for electronic Periodic Technical Inspection (ePTI) - Part 2: Application and communication requirements conformance test plan - 2/11/2022, $93.00

Ships and marine technology (TC 8)

ISO/DIS 3482, Marine technology - Technical guidelines for the active source exploration with Ocean Bottom Seismometers (OBS) - 2/11/2022, $46.00

Solid biofuels (TC 238)

ISO/DIS 20048-2, Solid biofuels - Determination of off-gassing and oxygen depletion characteristics - Part 2: Operational method for screening of carbon monoxide off-gassing - 2/11/2022, $53.00

Steel (TC 17)

ISO/FDIS 23213, Carbon steel wire for bedding and seating springs - 2/11/2022, $46.00

Sustainable development in communities (TC 268)

ISO/DIS 37109, Sustainable cities and communities - Recommendations and requirements for project developers - Meeting ISO 37101 framework principles - 2/11/2022, $102.00

Thermal insulation (TC 163)

ISO/DIS 16478, Thermal insulation products - Vacuum insulation panels (VIPs) - Specification - 2/11/2022, $125.00

Traditional Chinese medicine (TC 249)

ISO/DIS 19609-3, Traditional Chinese medicine - Quality and safety of raw materials and finished products made with raw materials - Part 3: Testing for contaminants - 2/11/2022, $58.00

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

ISO/FDIS 8536-15, Infusion equipment for medical use - Part 15: Light-protective infusion sets for single use - 2/11/2022, $46.00

Transport information and control systems (TC 204)

ISO/FDIS 12855, Electronic fee collection - Information exchange between service provision and toll charging - 2/11/2022, $185.00

Water quality (TC 147)

ISO/DIS 23256, Water quality - Detection of selected congeners of polychlorinated dibenzo-p-dioxins and polychlorinated biphenyls - Method using a flow immunosensor technique - 2/11/2022, $98.00

ISO/DIS 4722-1, Water quality - Thorium 232 - Part 1: Test method using alpha spectrometry - 2/11/2022, $71.00

Welding and allied processes (TC 44)

ISO/DIS 12153, Welding consumables - Tubular cored electrodes for gas shielded and non-gas shielded metal arc welding of nickel and nickel alloys - Classification - 2/11/2022, $53.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 14496-22:2019/DAmd 2, Information technology - Coding of audio-visual objects - Part 22: Open Font Format - Amendment 2: Extending colour font functionality and other updates - 2/11/2022, $155.00

ISO/IEC DIS 23894, Information technology - Artificial intelligence - Risk management - 2/11/2022, $93.00

ISO/IEC DIS 17549-3, Information technology - User interface guidelines on menu navigation - Part 3: Navigation with 1-direction devices - 2/11/2022, $53.00

ISO/IEC DIS 18181-3, Information technology - JPEG XL Image Coding System - Part 3: Conformance testing - 2/11/2022, $46.00

ISO/IEC DIS 21122-4, Information technology - JPEG XS low-latency lightweight image coding system - Part 4: Conformance testing - 2/11/2022, $77.00

ISO/IEC DIS 21558-2, Telecommunications and information exchange between systems - Future network architecture - Part 2: Proxy model based quality of service - 2/11/2022, $71.00

ISO/IEC DIS 21838-3, Information technology - Top-level ontologies (TLO) - Part 3: Descriptive ontology for linguistic and cognitive engineering (DOLCE) - 2/11/2022, $53.00

ISO/IEC DIS 21838-4, Information technology - Top-level ontologies (TLO) - Part 4: TUpper - 2/11/2022, $71.00

ISO/IEC DIS 23092-2, Information technology - Genomic information representation - Part 2: Coding of genomic information - 2/11/2022, $185.00

ISO/IEC DIS 23220-1, Cards and security devices for personal identification - Building blocks for identity management via mobile devices - Part 1: Generic system architectures of mobile eID systems - 2/11/2022, $112.00

ISO/IEC DIS 24791-3, Information technology - Radio frequency identification (RFID) for item management - Software system infrastructure - Part 3: Device management - 2/11/2022, $155.00

ISO/IEC DIS 15444-17, Information technology - JPEG 2000 image coding system - Part 17: Extensions for coding of discontinuous media - 2/11/2022, $146.00

ISO/IEC DIS 29167-16, Information technology - Automatic identification and data capture techniques - Part 16: Crypto suite ECDSA-ECDH security services for air interface communications - 2/11/2022, $98.00

Newly Published ISO Standards

Listed here are new and revised standards recently approved and promulgated by ISO - the International Organization for Standardization. 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).

Brand evaluation (TC 289)

ISO 20671-1:2021, Brand evaluation - Part 1: Principles and fundamentals, $73.00

Ergonomics (TC 159)

ISO 9241-20:2021, Ergonomics of human-system interaction - Part 20: An ergonomic approach to accessibility within the ISO 9241 series, $149.00

Fluid power systems (TC 131)

ISO 10094-1:2021, Pneumatic fluid power - Electro-pneumatic pressure control valves - Part 1: Main characteristics to include in the suppliers literature, $111.00

ISO 10094-2:2021, Pneumatic fluid power - Electro-pneumatic pressure control valves - Part 2: Test methods to determine main characteristics to include in the suppliers literature, $175.00

Footwear (TC 216)

ISO 16189:2021, Footwear - Critical substances potentially present in footwear and footwear components - Test method to quantitatively determine dimethylformamide in footwear materials, $48.00

Implants for surgery (TC 150)

ISO 22679:2021, Cardiovascular implants - Transcatheter cardiac occluders, $225.00

Laboratory glassware and related apparatus (TC 48)

ISO 4787:2021, Laboratory glass and plastic ware - Volumetric instruments - Methods for testing of capacity and for use, $149.00

Mechanical vibration and shock (TC 108)

ISO 13373-4:2021, Condition monitoring and diagnostics of machines - Vibration condition monitoring - Part 4: Diagnostic techniques for gas and steam turbines with fluid-film bearings, $149.00

Paper, board and pulps (TC 6)

ISO 6588-1:2021, Paper, board and pulps - Determination of pH of aqueous extracts - Part 1: Cold extraction, $73.00

ISO 6588-2:2021, Paper, board and pulps - Determination of pH of aqueous extracts - Part 2: Hot extraction, $73.00

Plastics (TC 61)

ISO 527-5:2021, Plastics - Determination of tensile properties - Part 5: Test conditions for unidirectional fibre-reinforced plastic composites, $111.00

Rubber and rubber products (TC 45)

ISO 6801:2021, Rubber and plastics hoses - Determination of volumetric expansion, $48.00

Small tools (TC 29)

ISO 5743:2021, Pliers and nippers - General technical requirements, $48.00

ISO 5746:2021, Pliers and nippers - Engineers and Linemans pliers - Dimensions and test values, $48.00

ISO 9343:2021, Pliers and nippers - Slip joint pliers - Dimensions and test values, $48.00

Sustainable development in communities (TC 268)

ISO/DIS 37109, Sustainable cities and communities - Recommendations and requirements for project developers - Meeting ISO 37101 framework principles, FREE

Textiles (TC 38)

ISO 6330:2021, Textiles - Domestic washing and drying procedures for textile testing, $200.00

Tourism and related services (TC 228)

ISO 21621:2021, Tourism and related services - Traditional restaurants - Visual aspects, decoration and services, $111.00

ISO Technical Reports

Applications of statistical methods (TC 69)

ISO/TR 11843-8:2021, Capability of detection - Part 8: Guidance for the implementation of the ISO 11843 series, $200.00

Paints and varnishes (TC 35)

ISO/TR 5602:2021, Sources of error in the use of electrochemical impedance spectroscopy for the investigation of coatings and other materials, $225.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 27013:2021, Information security, cybersecurity and privacy protection - Guidance on the integrated implementation of ISO/IEC 27001 and ISO/IEC 20000-1, $225.00

International Organization for Standardization (ISO)

ISO New Work Item Proposal

Driver Training - Intelligent Training System for Vehicle Driving

Comment Deadline: December 31, 2021

SAC, the ISO member body for China, has submitted to ISO a new work item proposal for the development of an ISO standard on *Driver training — Intelligent training system for vehicle driving*, with the following scope statement:

The document specifies the terms and definitions, requirements (including the function requirements and performance requirements), test methods, packaging, transportation and storage of the intelligent training system for vehicle driving, not including the equipments of this system. This document is applicable to the design, development and delivery of the intelligent training system for vehicle driving.

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, December 31, 2021.

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, regulatory agencies and standards developing organizations 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 proposed technical regulations that may significantly affect trade to the WTO Secretariat in Geneva, Switzerland. In turn, the Secretariat issues and makes available these notifications. The purpose of the notification requirement is to provide global trading partners with an opportunity to review and comment on the regulations before they become final.

The USA Inquiry Point for the WTO TBT Agreement is located at the National Institute of Standards and Technology (NIST) in the Standards Coordination Office (SCO). The Inquiry Point distributes the notified proposed foreign technical regulations (notifications) and makes the associated full-texts available to U.S. stakeholders via its online service, Notify U.S. Interested U.S. parties can register with Notify U.S. to receive e-mail alerts when notifications are added from countries and industry sectors of interest to them. To register for Notify U.S., please visit: http://www.nist.gov/notifyus/.

The USA WTO TBT Inquiry Point is the official channel for distributing U.S. comments to the network of WTO TBT Enquiry Points around the world. U.S. business contacts interested in commenting on the notifications are asked to review the comment guidance available on Notify U.S. at: https://tsapps.nist.gov/notifyus/data/guidance/guidance.cfm prior to submitting comments.

For further information about the USA TBT Inquiry Point, please visit: https://www.nist.gov/standardsgov/what-we-do/trade-regulatory-programs/usa-wto-tbt-inquiry-point Contact the USA TBT Inquiry Point at (301) 975-2918; F: (301) 926-1559; E: usatbtep@nist.gov or notifyus@nist.gov.

Public Review Draft

Proposed Addendum k to Standard 189.1-2020

Standard for the Design of High-Performance Green Buildings

Except Low-Rise Residential Buildings

First Public Review Draft (November 2021)
(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.

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ASHRAE, 180 Technology Parkway, 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

This addendum will improve the resiliency of a building by improving the ability to adjust ventilation quickly and easily in response to air quality related emergency conditions. It will add a requirement for a control system that will provide a centralized method of either shutting down, minimizing, or maximizing the ventilation supplied to a building in response to conditions such as nearby wildfires or chemical spills (shutdown) or a pandemic (maximize).

It is expected that compliance with these requirements will be achieved primarily through the addition of control sequences to electronic control systems. This will require new programming to be added by control system manufacturers, but the added cost should be negligible to end purchasers. Enforcement of this requirement will be accomplished at the plan checking stage by verifying that the specified control system includes the required capabilities.

A requirement like that included in this addendum is not known to be part of another building code. However, the requirements are well within the capabilities of modern EMCS systems.

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

Addendum k to 189.1-2020

Add a new Section 8.3.1.11 as follows (and renumber subsequent sections)

<u>8.3.1.11 Controls for Temporary Ventilation Override.</u> <u>A centralized control system shall be provided in new buildings to adjust ventilation rates in the event of air quality emergencies. The control system shall include a timer-based reset to automatically restore normal operation after a user adjustable period that shall not exceed 7 days. The control system shall allow manual initiation of all of the following control actions:</u>

a. <u>Ventilation shutdown:</u>
   1. <u>Closure of *outdoor air* dampers for all systems equipped with *automatic* modulating control of the *outdoor air* dampers.</u>

2. Shutdown of all other systems that provide ventilation.
3. Shutdown of all exhaust systems.

b. Economizer shutdown:
   1. Disable economizer controls such that systems operate with *minimum outdoor airflow* only.

c. Ventilation increase:
   1. Opening to maximum of *outdoor air* dampers for all systems equipped with *automatic* modulating control of the *outdoor air* dampers. Dampers shall be permitted to close as needed to prevent damage due to extreme temperature conditions.

Exceptions to 8.3.1.11:

1. Health care facilities, including hospitals, nursing facilities, and outpatient facilities.
2. Laboratory and other facilities where differential pressurization must be maintained to comply with health and safety requirements.
3. Buildings without direct digital control (DDC) of HVAC systems and with not more than 5 independently controlled ventilation and exhaust systems.
4. Ventilation systems serving individual *dwelling units*.

BSR/ASHRAE/IES Addendum ac
to ANSI/ASHRAE/IES Standard 90.1-2019

Public Review Draft

Proposed Addendum ac to Standard 90.1-2019, Energy Standard for Buildings Except Low-Rise Residential Buildings

Second Public Review (November 2021)
(Draft Shows Proposed Independent Substantive Changes to Previous Public Review Draft)

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

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

This ISC to Addendum AC updates the parking garage daylight transition zone definition to align with the IES recommended practice in RP-8-18. It also revises and clarifies the interior lighting power exception language when used for video broadcast, video and film recording and live performances.

Energy savings is anticipated with this addendum resulting from improved compliance due to clearer language and the removal of several applications from exempted power status. These changes do not increase in the cost of construction.

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

Addendum ac to 90.1-2019

Modify the standard as follows (IP and SI Units)

3.2 Definitions

[…]

***parking garage daylight transition zone*:** covered vehicle entrances and exits from *buildings* and parking structures not exceeding a depth of 66 ft (20 m) inside the structure and not exceeding a width of ~~50 ft (15 m)~~ 30 ft (9.1 m) to either side of the drive aisle centerline and not extending beyond adjacent walls.

[…]

Table 9.2.2.1 Exceptions to Interior Lighting Power and Minimum Control Requirements

Item #	Equipment/Application	In Addition to and Controlled Separately From *General Lighting*	Required Controls
[…]			
5	~~Lighting used for the function of broadcasting, theatrical performance, film production recording or video production recording~~ Lighting specifically for video broadcasting, video or film recording, or live performance	YES	9.4.1.1(a)—Local control

…

BSR/ASHRAE Standard 41.2-2018R

Public Review Draft

Standard Methods for Air Velocity and Airflow Measurements

Third Public Review (December 2021)
(Draft shows only proposed Independent Substantive Changes to Previous Public Review Draft)

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

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This is a review of Independent Substantive Changes that were made since the last public review. Text that was removed from the Public Review Draft is provided for reference but is shown in ~~strikeout~~, and text that has been added is shown with underlines.

Only these changes are open to comment at this time. All other material is provided for context only and is not open for Public Review comment except as it relates to the proposed changes.

Background. The second 41.2-2018R ISC public review that ended on October 11, 2021, had a total of 2 public review comments comprised of 1 substantive public review comment and 1 supportive public review comment. The SSPC 41 voting members voted to accept the proposed response to substantive public review comments during the SSPC 41 Fall 2021 Interim Meeting on 10/20/21. The proposed response to the substantive public review comment was subsequently uploaded into ASHRAE's Online Comment Database, and then the commenter marked the proposed response to substantive public review comment "resolved."

Section 3, Definitions: Revise or add the definitions as shown below.

error: ~~the difference between the test result and its corresponding *true value*.~~ the difference between the observed value of the measurand and its corresponding *true value*.

post-test uncertainty*:* an analysis to establish the *uncertainty* of a test result after conducting the test.

pretest uncertainty: an analysis to establish the expected *uncertainty* interval for a test result prior to the conduct of a test.

uncertainty: ~~a measure of the potential error in a measurement that reflects the lack of confidence in the result to a specified level.~~ the limits of error within which the *true value* lies.

Section 4.5, Standard Air Density: Correct the significant digits as shown below:

4.5 Standard Air Density. For the purposes of this standard, standard air density = 1.202 kg/m^3~~,~~ (0.0750 lb$_m$/ft^3) unless otherwise specified in the test plan in Section 5.1. The conversion uncertainty associated with calculating air velocity or airflow measurement uncertainties in I-P units is ±0.00004 lb$_m$/ft^3.

Section 5.1, Test Plan: Revise as shown below.

5.1 Test Plan. The test plan shall be one of the following documents:
a. A document provided by the person or the organization that authorized the tests and calculations to be performed.
b. A method of test standard.
c. A rating standard.
d. A regulation or code.
e. Any combination of items a. through d.

The test plan shall specify:
~~a. The air velocity or airflow measurement system accuracy.~~
a. The maximum allowable value for either the accuracy or the measurement uncertainty of the air velocity or airflow measurement system.
b. The values to be determined and recorded that are selected from this list: air velocity, air velocity uncertainty, mass airflow rate, mass airflow uncertainty, volumetric airflow rate, volumetric airflow uncertainty, standard volumetric airflow rate, standard volumetric airflow rate uncertainty.
c. Any combination of test points and targeted set points to be performed together with operating tolerances.

Section 5.3.1.2, Air Velocity Uncertainty: Add new Section 5.3.1.2 and revise and renumber previous Section 5.3.1.2 to become Section 5.3.1.3.

5.3.1.2 Pretest Air Velocity Uncertainty Analysis. If required by the test plan in Section 5.1, perform an analysis to establish the expected uncertainty for each air velocity test point prior to the conduct of that test in accordance with the pretest uncertainty analysis procedures in ASME PTC 19.1[1].

5.3.1.~~2~~3 Post-test Air Velocity Uncertainty Analysis. If required by the test plan in Section 5.1, perform an analysis to establish the air velocity measurement uncertainty for ~~The uncertainty in~~ each air velocity test point in accordance with the post-test uncertainty analysis procedures in ASME PTC 19.1[1]. ~~measurement shall be estimated as described in Section 10 for each test point if specified in the test plan.~~ Alternatively, if specified in the test plan, the worst-case uncertainty for all test points shall be estimated and reported for each test point.

Section 5.3.2.2, Airflow Uncertainty: Add a new Section 5.3.2.2 and revise and renumber previous Section 5.3.2.2 to become Section 5.3.2.3.

5.3.2.2 Pretest Airflow Uncertainty Analysis. If required by the test plan in Section 5.1, perform an analysis to establish the expected uncertainty for each airflow test point prior to the conduct of that test in accordance with the pretest uncertainty analysis procedures in ASME PTC 19.1[1].

5.3.2.~~2.~~3 Post-test Airflow Uncertainty Analysis. If required by the test plan in Section 5.1, perform an analysis to establish the airflow measurement uncertainty for ~~The uncertainty in~~ each airflow test point in accordance with the post-test uncertainty analysis procedures in ASME PTC 19.1[1]. ~~measurement shall be estimated as described in Section 10 for each test point if specified in the test plan.~~ Alternatively, if specified in the test plan, the worst-case uncertainty for all test points shall be estimated and reported for each test point.

Section 10.1, Uncertainty Requirements: Revise as shown below.

10.1 Post-Test Uncertainty ~~Requirements~~ Analysis. ~~An estimate~~ A post-test analysis of the measurement uncertainty, performed in compliance with ASME PTC ~~19.1,[9]~~ 19.1,[1] shall accompany each air velocity and airflow measurement if specified in the test plan in Section 5.1. Installation effects on the accuracy of the instrument shall be included in the uncertainty estimate for each installation that does not conform to the instrument manufacturer's installation requirements.

Informative Note: This procedure is illustrated in the example uncertainty analysis that is provided in Informative Appendix B.

Section 11.6, Test Results: Revise Section 11.6 as shown below.

11.6 Test Results if Required by the Test Plan in Section 5.1

a. Air velocity, m/s (fpm).
b. Standard volumetric airflow, standard m^3/s (scfm).
c. Volumetric airflow at a measured density, m^3/s (cfm).
d. Mass rate of airflow, kg/s (lb_m/min).
e. Pretest uncertainty estimate for the air velocity, m/s (fpm).
f. Pretest uncertainty estimate for the volumetric airflow, standard m^3/s (scfm).
g. Pretest uncertainty estimate for the mass rate of airflow, kg/s (lb_m/min).
h. Post-test uncertainty estimate for the air velocity, m/s (fpm).
i. Post-test uncertainty estimate for the volumetric airflow, standard m^3/s (scfm).

j. Post-test uncertainty estimate for the mass rate of airflow, kg/s (lb_m/min).
~~k. Uncertainty in air velocity.~~
~~l. Uncertainty in standard volumetric airflow, standard m^3/s (scfm).~~
~~m. Uncertainty in volumetric airflow at a measured density, m^3/s (cfm).~~
n. ~~Uncertainty in mass rate of airflow, kg/s (lb_m/h).~~

Section 12, References: Renumber references as shown below.

12 REFERENCES

~~9.~~ 1. ANSI/ASME PTC 19.1-2018, *Test Uncertainty*, ASME, New York, NY.
~~1.~~ 2. Herrmann, S., H.-J. Kretzschmar, and D.P. Gatley, ASHRAE RP-1485, *Thermodynamic Properties of Real Moist Air, Dry Air, Steam, Water, and Ice*, 2008, Atlanta: ASHRAE.
~~2.~~ 3. ANSI/ASHRAE Standard 41.1-2020, *Standard Methods for Temperature Measurement*, Atlanta: ASHRAE. See Note 1.
~~3.~~ 4. ANSI/ASHRAE Standard 41.3-2014, *Standard Methods for Pressure Measurement*, Atlanta: ASHRAE. See Note 2.
~~4.~~ 5. ANSI/ASHRAE Standard 41.6-2014 *Standard Methods for Humidity Measurement*, Atlanta: ASHRAE. See Note 3.
~~5.~~ 6. ANSI/ASHRAE Standard 41.11-2020 *Standard Methods for Power Measurement*. Atlanta: ASHRAE. See Note 4.
~~6.~~ 7. Bohanon, H. R., *Fan Test Chamber-Nozzle Coefficients*, ASHRAE Technical Paper No. 2334, 1975, Atlanta: ASHRAE. See Note 5.
~~7.~~ 8. ANSI/ASME PTC 19.5-2004 (R2013)*, Flow Measurement.* ASME, New York, NY. See Note 3. See Note 5.
~~8.~~ 9. ANSI/ASME MFC-3M-2004 (R2017), *Measurement of Fluid Flow in Pipes Using Orifice, Nozzle, and Venturi*. ASME, New York, NY. See Note 5.
~~9. ANSI/ASME PTC 19.1-2018, *Test Uncertainty*, ASME, New York, NY~~

Note 1: Reference ~~2~~ 3 is only required if using temperature measurements.
Note 2: Reference ~~3~~ 4 is only required if using pressure measurements.
Note 3: Reference ~~4~~ 5 is only required if using humidity measurements.
Note 4: Reference ~~5~~ 6 is only required if using power measurements.
Note 5: References ~~6~~ 7, ~~7~~ 8, and ~~8~~ 9 are only required if using nozzle test methods.

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

NSF International Standard/
American National Standard –

NSF/ANSI 2 Food Equipment

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4 Materials

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4.5 ~~Wood-top bakers tables and cutting boards~~ Wood in food zone applications

~~Wood-top bakers tables and cutting boards shall be made of hard maple or equivalent. The tables and boards shall, in addition, be nontoxic and shall not impart odor, color, or taste, nor contribute to the adulteration of foods. The wood shall be kiln-dried to 6 to 8% moisture content by weight after conditioning to remove stresses, case hardened, and other drying defects. The wood shall comply with the test requirements outlined in Section 6.~~

The use of wood in a food zone is limited to the specific applications included in this section. Wood shall

- be made of hard maple or equivalent; and
- be nontoxic; and
- shall not impart odor, color, or taste, nor contribute to the adulteration of food; and
- shall be kiln-dried to 6 to 8% moisture content after conditioning to remove stresses, case hardened, and other drying defects.

4.5.1 Wood-top baker's tables and cutting boards shall comply with the test requirements in section 6.

4.5.2 Wood may be used for scrapers specifically designed and manufactured to remove food debris from grill and char-broiler grates. Grill and char-broiler grate scrapers, including handles, shall not be made of multiple pieces of wood that are glued or laminated together and shall not have a surface finishing substance such as varnish or stain.

***Rationale**: The general requirements for wood and an exemption for wood-top baker's tables and cutting boards are identical to NSF/ANSI 2 – 2019, section 4.5 but are reformatted to allow additional exemptions for the use of wood in food zones.*

NSF/ANSI 51 Food Equipment Materials

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4 Material formulation

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4.2.5 Wood shall not be used in a food zone, except ~~in wood top bakers tables and cutting boards conforming to~~ as permitted in NSF/ANSI 2.

Rationale: The general requirement prohibiting the use of wood in a food zone remains in NSF/ANSI 51 but the exemptions are moved to NSF/ANSI 2.

Tracking #50i181r1

Revision to NSF/ANSI/CAN 50-2020
Issue 181, Revision 1 (November 2021)

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

NSF/ANSI/CAN Standard

Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and other Recreational Water Facilities

Evaluation criteria for materials, components, products, equipment, and systems for use at recreational water facilities

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6 Filters

6.1 General

The requirements in this subsection apply to diatomite-type, sand-type, cartridge-type, and high-permeability-type filters.

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6.1.11 Test media

The manufacturer shall specify the type of media that is used in the filter for qualification to sections 6.1.9 and 6.1.10. If a media is not specified, the default will be as follows:

– Sand-type filters: the default media used shall be sand that complies with section 6.3.4.1.

– Precoat filters: the default media used shall be pool grade diatomaceous earth.

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6.3.4 Filter media

6.3.4.1 Filter sand shall be hard, silica-like material that is free of carbonates, clay, and other foreign material. The effective particle size shall be between 0.016 in (0.40 mm) and 0.022 in (0.55 mm), and the uniformity coefficient shall not exceed 1.75. Filters intended for use with an alternate media that does not conform to these requirements shall specify the alternate media on the data plate. The filter and the alternate media shall conform to the other applicable requirements of this Standard.

6.3.4.2 If a different media is used to support the filter media, it shall be rounded material that is free of limestone and clay and installed according to the manufacturer's instructions. When the support media and the filter media are installed in accordance with the manufacturer’s recommendations, the filter media shall

not intermix with the support media when operated and backwashed at least three cycles in accordance with Section N-2.4.

6.3.4.3 Alternate sand-type media

A material that is marketed or claimed to replace sand directly as a filter media in a sand-type filter shall conform to Sections 4.2, 6.1.8, 6.1.9, 6.3.4.3, and 5.3.5 when tested in a representative sand-type filter in accordance with Sections N-2.3 through N-2.5.

6.3.4.3.1 The manufacturer of an alternate sand-type media shall specify the particle size and uniformity coefficient for the media. Particle size and uniformity coefficient shall be confirmed in accordance with ASTM C136**Error! Bookmark not defined.** with sieves conforming to ASTM E11.**Error! Bookmark not defined.**

6.3.4.3.2 The filtration rate and backwash rate for an alternate sand-type media shall be as specified in Section 6.3.9.

6.3.4.3.3 Sand-type media labeling requirements

Sand-type media shall contain the following information on the product packaging or documentation shipped with the product:

— manufacturer’s name and contact information (address, phone number, website, or prime supplier);
— product identification (product type and trade name);
— net weight or net volume;
— when applicable, mesh or sieve size;
— particle size and uniformity coefficient;
— lot number or other production identifier such as a date code;
— when appropriate, special handling, storage and use instructions; and
— the specific certification mark of the certifying organization for certified products.

BSR/UL 1254, Standard for Pre-Engineered Dry and Wet Chemical Extinguishing System Units

1. **Inclusion of Engineered Dry Chemical Extinguishing System Units**

PROPOSAL

6.1A For engineered dry chemical extinguishing system units, removal ~~Removal~~ of an electric actuator from either the agent storage container discharge valve it controls or the selector valve it controls shall result in a visual and audible supervisory signal at the releasing control panel.

6.1B For engineered dry chemical extinguishing system units, duplicate ~~Duplicate~~ terminals or leads, or an equivalent arrangement, shall be provided for circuits of products intended to be connected to initiating-device circuits of a releasing control unit; one for each incoming and one for each outgoing wire. It is not prohibited that a common terminal be used in lieu of duplicate terminals when it is intended to prevent the looping of an unbroken wire around or under a terminal screw in a manner that permits the looped wire to remain unbroken during installation, thereby precluding supervision in the event the wire becomes dislodged from under the terminal. A notched clamping plate under a single securing screw, where separate conductors are intended to be inserted in each notch, is an equivalent arrangement.

32A.3 The cylinder is to be filled to the intended weight and the pressure is to become stable. The pressure container, piping, and enclosure are to be maintained at a temperature of 21°C (70°F) when possible. When not possible to maintain these items at a temperature of 21°C (70°F), the test is to be conducted at a temperature other than 21°C (70°F), with appropriate temperature correction calculations, when agreeable to all concerned. The extinguishing system unit is then to be discharged. The discharge time is to be measured by a stopwatch or other approved methods. Other test arrangements shall be considered and accepted when determined to achieve equivalent results. Following the completion of discharge, the quantity of extinguishing agent discharged from each nozzle is to be measured and the flow rate calculated.

33A.2 Prior to conducting this test, the test sample is to be filled with water and all air expelled ~~the valve is to be threaded in place after the container has been completely filled with water. Care is to be taken to expel all air from the test sample before pressure is applied.~~

33A.3 The apparatus for these tests is to consist of a hand- or motor-operated hydraulic pump capable of producing the required test pressure, a test cage capable of containing the ~~extinguishing system unit~~ valve and its parts in the event of rupture, the required fittings for attachment to the test sample, a calibrated pressure gauge graduated in at least 0.14 MPa (20 psi) increments to at least 1.38 MPa (200 psi) greater than the test pressure, and the required valves, fittings, and other components, for regulating and maintaining the specified test pressure. Other test methods shall be considered and accepted when determined to achieve equivalent results.

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The last three columns display the 30, 45 & 60-DAY PR (Public Review) END dates

ISSUE	SUBMIT START	*SUBMIT END 5 PM	SA PUBLISHED	30-DAY PR END	45-DAY PR END	60-DAY PR END
1	12/21/2021	12/27/2021	Jan 7	2/6/2022	2/21/2022	3/8/2022
2	12/28/2021	1/3/2022	Jan 14	2/13/2022	2/28/2022	3/15/2022
3	1/4/2022	1/10/2022	Jan 21	2/20/2022	3/7/2022	3/22/2022
4	1/11/2022	1/17/2022	Jan 28	2/27/2022	3/14/2022	3/29/2022
5	1/18/2022	1/24/2022	Feb 4	3/6/2022	3/21/2022	4/5/2022
6	1/25/2022	1/31/2022	Feb 11	3/13/2022	3/28/2022	4/12/2022
7	2/1/2022	2/7/2022	Feb 18	3/20/2022	4/4/2022	4/19/2022
8	2/8/2022	2/14/2022	Feb 25	3/27/2022	4/11/2022	4/26/2022
9	2/15/2022	2/21/2022	Mar 4	4/3/2022	4/18/2022	5/3/2022
10	2/22/2022	2/28/2022	Mar 11	4/10/2022	4/25/2022	5/10/2022
11	3/1/2022	3/7/2022	Mar 18	4/17/2022	5/2/2022	5/17/2022
12	3/8/2022	3/14/2022	Mar 25	4/24/2022	5/9/2022	5/24/2022
13	3/15/2022	3/21/2022	Apr 1	5/1/2022	5/16/2022	5/31/2022
14	3/22/2022	3/28/2022	Apr 8	5/8/2022	5/23/2022	6/7/2022
15	3/29/2022	4/4/2022	Apr 15	5/15/2022	5/30/2022	6/14/2022
16	4/5/2022	4/11/2022	Apr 22	5/22/2022	6/6/2022	6/21/2022
17	4/12/2022	4/18/2022	Apr 29	5/29/2022	6/13/2022	6/28/2022
18	4/19/2022	4/25/2022	May 6	6/5/2022	6/20/2022	7/5/2022
19	4/26/2022	5/2/2022	May 13	6/12/2022	6/27/2022	7/12/2022
20	5/3/2022	5/9/2022	May 20	6/19/2022	7/4/2022	7/19/2022
21	5/10/2022	5/16/2022	May 27	6/26/2022	7/11/2022	7/26/2022
22	5/17/2022	5/23/2022	Jun 3	7/3/2022	7/18/2022	8/2/2022
23	5/24/2022	5/30/2022	Jun 10	7/10/2022	7/25/2022	8/9/2022
24	5/31/2022	6/6/2022	Jun 17	7/17/2022	8/1/2022	8/16/2022
25	6/7/2022	6/13/2022	Jun 24	7/24/2022	8/8/2022	8/23/2022
26	6/14/2022	6/20/2022	Jul 1	7/31/2022	8/15/2022	8/30/2022
27	6/21/2022	6/27/2022	Jul 8	8/7/2022	8/22/2022	9/6/2022
28	6/28/2022	7/4/2022	Jul 15	8/14/2022	8/29/2022	9/13/2022
29	7/5/2022	7/11/2022	Jul 22	8/21/2022	9/5/2022	9/20/2022

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31	7/19/2022	7/25/2022	Aug 5	9/4/2022	9/19/2022	10/4/2022
32	7/26/2022	8/1/2022	Aug 12	9/11/2022	9/26/2022	10/11/2022
33	8/2/2022	8/8/2022	Aug 19	9/18/2022	10/3/2022	10/18/2022
34	8/9/2022	8/15/2022	Aug 26	9/25/2022	10/10/2022	10/25/2022
35	8/16/2022	8/22/2022	Sep 2	10/2/2022	10/17/2022	11/1/2022
36	8/23/2022	8/29/2022	Sep 9	10/9/2022	10/24/2022	11/8/2022
37	8/30/2022	9/5/2022	Sep 16	10/16/2022	10/31/2022	11/15/2022
38	9/6/2022	9/12/2022	Sep 23	10/23/2022	11/7/2022	11/22/2022
39	9/13/2022	9/19/2022	Sep 30	10/30/2022	11/14/2022	11/29/2022
40	9/20/2022	9/26/2022	Oct 7	11/6/2022	11/21/2022	12/6/2022
41	9/27/2022	10/3/2022	Oct 14	11/13/2022	11/28/2022	12/13/2022
42	10/4/2022	10/10/2022	Oct 21	11/20/2022	12/5/2022	12/20/2022
43	10/11/2022	10/17/2022	Oct 28	11/27/2022	12/12/2022	12/27/2022
44	10/18/2022	10/24/2022	Nov 4	12/4/2022	12/19/2022	1/3/2023
45	10/25/2022	10/31/2022	Nov 11	12/11/2022	12/26/2022	1/10/2023
46	11/1/2022	11/7/2022	Nov 18	12/18/2022	1/2/2023	1/17/2023
47	11/8/2022	11/14/2022	Nov 25	12/25/2022	1/9/2023	1/24/2023
48	11/15/2022	11/21/2022	Dec 2	1/1/2023	1/16/2023	1/31/2023
49	11/22/2022	11/28/2022	Dec 9	1/8/2023	1/23/2023	2/7/2023
50	11/29/2022	12/5/2022	Dec 16	1/15/2023	1/30/2023	2/14/2023
51	12/6/2022	12/12/2022	Dec 23	1/22/2023	2/6/2023	2/21/2023
52	12/13/2022	12/19/2022	Dec 30	1/29/2023	2/13/2023	2/28/2023